

Smartlaunch RESTful API Documentation

Status

Documentation Last Update	12 July 2014
REST API version	1.0.8
REST API Last Update	10 July 2014
Smartlaunch Server version	4.7.107 (view changelog)
Demo application	https://github.com/smartlaunch/SmartlaunchAPIDemo

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Enum

Paymode Enum

This enum will be used as one of the parameters on UserAddProduct(s) and UserAddOffer(s) function.

Value	Description
0	Later
1	Cash
2	Payment1
3	Payment2
4	Withdraw
5	Save
-1	NA

ProductType Enum

This enum will be on UserBill function.

Value	Description
0	Balance
1	Time
2	Offer
3	Product
4	Other
5	Time Balance

Endpoints

General

RESTAPIVersion

GET /restapiversion

Response Example:

```
Smartlaunch RESTful API version: 1.0.8, last update on 10-07-2014
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Thu, 10 Jul 2014 05:54:56 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 67
  Content-Type: application/json; charset=utf-8
}
```

SmartlaunchVersion

GET /smartlaunchversion

Response Example:

```
{
  "AdministratorVersion" : "4.7.106",
  "ClientVersion" : "4.7.106",
  "ServerVersion" : "4.7.106"
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Thu, 10 Jul 2014 05:55:30 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 84
  Content-Type: application/json; charset=utf-8
}
```

Users

UserAll

GET /users

Response Example:

```
[{
  "AccountStatus" : false,
  "Email" : "",
  "FirstName" : "",
  "IsLoggedIn" : false,
  "LastName" : "",
  "LoggedInTo" : null,
  "UserGroupID" : 2,
  "UserID" : "23476",
  "Username" : "edwin"
}, {
  "AccountStatus" : true,
  "Email" : "",
  "FirstName" : "",
  "IsLoggedIn" : false,
  "LastName" : "",
  "LoggedInTo" : null,
  "UserGroupID" : 2,
  "UserID" : "23477",
  "Username" : "edwin1"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 04:38:44 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 306
  Content-Type: application/json; charset=utf-8
}
```

UserAllByNumberOfUsers

GET /users/byid?startid={startid}&numberofusers={numberofuser}

Parameter	Description
startid	will get users starting from user ID
numberofuser	number of user

Request Example:

/users/byid?startid=1&numberofusers=1

Response Example:

```
[{
  "AccountStatus" : false,
  "Email" : "",
  "FirstName" : "",
  "IsLoggedIn" : false,
  "LastName" : "",
  "LoggedInTo" : null,
  "UserGroupID" : 2,
  "UserID" : "23476",
  "Username" : "edwin"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 04:48:40 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 153
  Content-Type: application/json; charset=utf-8
}
```

UserAllByStatus

GET /users/bystatus?status={status}

Parameter	Description
status	account status, boolean (false = locked account, true = open account)

Request Example:

/users/bystatus?status=false

Response Example:

```
[{
  "AccountStatus" : false,
  "Email" : "",
  "FirstName" : "",
  "IsLoggedIn" : false,
  "LastName" : "",
  "LoggedInTo" : null,
  "UserGroupID" : 2,
  "UserID" : "23476",
  "Username" : "edwin"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 05:05:55 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 154
  Content-Type: application/json; charset=utf-8
}
```

User

GET /users/{username}

Parameter	Description
username	username

Request Example:

/users/edwin

Response Example:

```
{
  "AccountStatus" : false,
  "Address" : "",
  "Balance" : 1.1,
  "Birthday" : -62135596800,
  "City" : "",
  "Country" : "",
  "Deleted" : false,
  "Email" : "",
  "FirstName" : "",
  "IsLoggedIn" : false,
  "LastDepositAmount" : 0,
  "LastDepositDate" : -62135596800,
  "LastName" : "",
  "LastWithdrawAmount" : 1.1,
  "LastWithdrawDate" : 1404470120,
  "LoggedInTo" : "",
  "MobilePhone" : "",
  "PersonalNumber" : "",
  "Sex" : "0",
  "State" : "",
  "Telephone" : "",
  "Time" : 15,
  "UserGroupID" : 2,
  "UserID" : "23476",
  "Username" : "edwin",
  "Zip" : ""
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 05:05:55 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 154
  Content-Type: application/json; charset=utf-8
}
```

UserCreate

POST /users

Parameter	Description		
UserCreate	Parameter	Type	Description
	UserName	string	username
	UsergroupName	string	usergroup name

Request Example:

JSON

```
{
  "UserCreate" : [{
    "UserName" : "edwin2",
    "UsergroupName" : "Members"
  }]
}
```


C#

```
//Class definition
public class UserCreate
{
    public string UserName { get; set; }
    public string UsergroupName { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

UserCreate uc = new UserCreate {UserName = "edwin2", UsergroupName = "Members"};
HttpResponseMessage response = client.PostAsJsonAsync("/users", uc).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 05:58:23 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

UserUpdate

PUT /users/{username}

Parameter	Description		
UserUpdate	Parameter	Type	Description
	FirstName	string	username
	LastName	string	usergroup name
	Birthday	double	UNIX time stamp
	Address	string	
	City	string	
	Zip	string	
	State	string	
	Country	string	
	Email	string	

Telephone	string	
MobilePhone	string	
Sex	integer	0 = female, 1 = male
PersonalNumber	string	

Request Example:

JSON

```
{
  "UserUpdate" : [{
    "FirstName" : "Edwin",
    "LastName" : "Smartlaunch",
    "Birthday" : 531831420,
    "Address" : "Power House",
    "City" : "Gianyar",
    "Zip" : "80582",
    "State" : "Bali",
    "Country" : "Indonesia",
    "Email" : "ek@smartlaunch.com",
    "Telephone" : "12345678",
    "MobilePhone" : "87654321",
    "Sex" : 1,
    "PersonalNumber" : "99999"
  }]
}
```

C#

```
//Class definition
public class UserUpdate
{
    public string FirstName { get; set; }
    public string LastName { get; set; }
    public double Birthday { get; set; }
    public string Address { get; set; }
    public string City { get; set; }
    public string Zip { get; set; }
    public string State { get; set; }
    public string Country { get; set; }
    public string Email { get; set; }
    public string Telephone { get; set; }
    public string MobilePhone { get; set; }
    public int Sex { get; set; }
    public string PersonalNumber { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

UserUpdate u = new UserUpdate { FirstName = "Edwin",
    LastName = "Smartlaunch",
    Birthday = 531831420,
    Address = "Power House",
    City = "Gianyar",
    Zip = "80582",
    State = "Bali",
    Country = "Indonesia",
    Email = "ek@smartlaunch.com",
    Telephone = "12345678",
    MobilePhone = "87654321",
    Sex = 1,
    PersonalNumber = "99999" };
HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin", u).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 05:58:23 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:

Status for 'edwin'

Active session Account

Add Time Add Session End Session Add to Waiting List Close

Menu

Current session

Personal details

Account options

Session History

Personal log

User Image

Equipment Rental

Edit the customer's personal information.

User details

Name:

Address:

Zip/City:

State:

Country:

Personal ID #:

Birthday: 7/ 4/2014 Age:

Phone 1/2:

Email:

Edit Save

Status for 'edwin'

Active session Account

Add Time Add Session End Session Add to Waiting List Close

Menu

Current session

Personal details

Account options

Session History

Personal log

User Image

Equipment Rental

Edit the customer's personal information.

User details

Name: Edwin Smartlaunch

Address: Power House

Zip/City: 80582 Gianyar

State: Bali

Country: Indonesia

Personal ID #: 99999

Birthday: 11/ 8/1986 Age: 27 years

Phone 1/2: 12345678 87654321

Email: ek@smartlaunch.com

Edit Save

UserMoveUserGroup

PUT /users/{username}/moveusergroup?newusergroupid={newusergroupid}

Parameter	Description
username	
newusergroupid	new usergroup ID (see usergroupall)

Request Example:

/users/edwin/moveusergroup?newusergroupid=3

[smartlaunch](#)

Response Example:

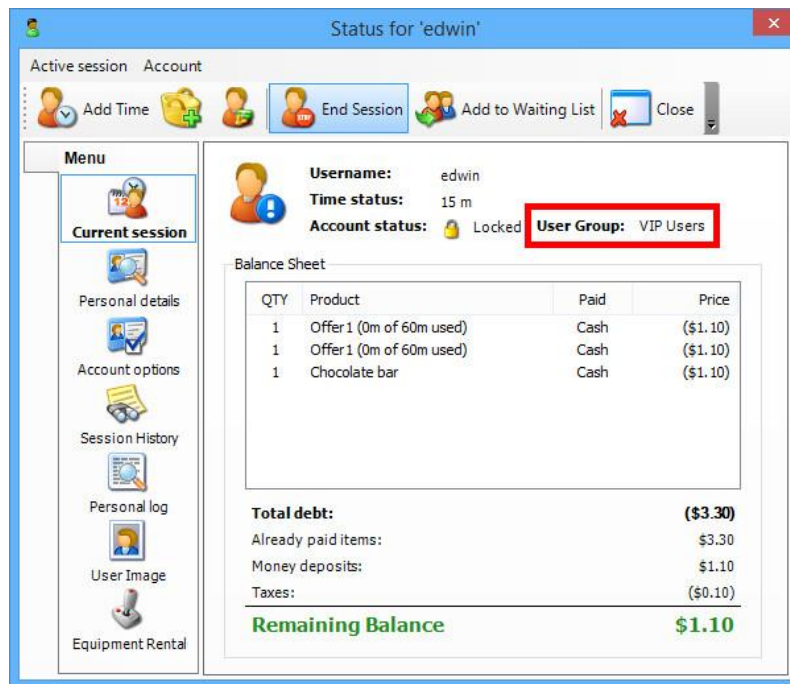
```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Mon, 07 Jul 2014 07:26:56 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 4
  Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:

The screenshot displays the 'Status for 'edwin'' window in the Smartlaunch Administrator. The interface includes a top toolbar with icons for 'Add Time', 'End Session', 'Add to Waiting List', and 'Close'. A left-hand menu lists various options: 'Current session', 'Personal details', 'Account options', 'Session History', 'Personal log', 'User Image', and 'Equipment Rental'. The main content area shows the user's status: Username: edwin, Time status: 15 m, Account status: Locked, and User Group: Members (highlighted with a red box). Below this is a 'Balance Sheet' section containing a table of transactions and a summary of the account balance.

QTY	Product	Paid	Price
1	Offer 1 (0m of 60m used)	Cash	(\$1.10)
1	Offer 1 (0m of 60m used)	Cash	(\$1.10)
1	Chocolate bar	Cash	(\$1.10)

Total debt: (\$3.30)
Already paid items: \$3.30
Money deposits: \$1.10
Taxes: (\$0.10)
Remaining Balance \$1.10



UserLogin

GET /users/{username}/login?computername={computername}

Parameter	Description
username	
computername	username will be logged in to this client

Response will be **true** only if the client (computer) is not a console and is turned on and is connected to Smartlaunch Server. Otherwise, the result will always be false.

Request Example:

/users/edwin/login?computername=PC001

Response Example:

true

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Mon, 07 Jul 2014 07:33:23 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 5
  Content-Type: application/json; charset=utf-8
}
```

UserLogin2

GET /users/{username}/login2?computername={computername}&password={password}

Parameter	Description
username	
computername	username will be logged in to this client
password	

Response will be **true** only if the client (computer) is not a console and is turned on and is connected to Smartlaunch Server. Otherwise, the result will always be false.

Request Example:

/users/edwin/login2?computername=PC001&password=12345678

Response Example:

```
true
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Mon, 07 Jul 2014 07:56:30 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 5
  Content-Type: application/json; charset=utf-8
}
```

UserLoginToConsole

GET

/users/{username}/logintoconsole?consolename={consolename}&controllerid={controllerid}

Parameter	Description
username	
consolename	username will be logged in to this console
controllerid	controller ID

Response will be **true** only if the client is a console. Otherwise, the result will always be false.

Request Example:

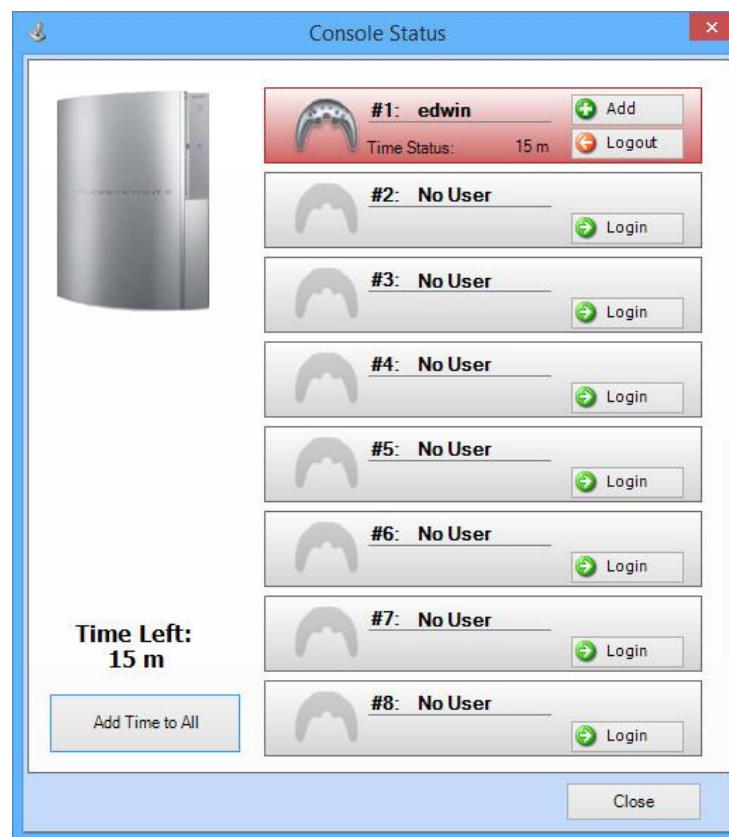
```
/users/edwin/logintoconsole?consolename=PS3001&controllerid=1
```

Response Example:

```
true
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Mon, 07 Jul 2014 07:50:36 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 4
  Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:



UserLogout

GET /users/{username}/logout

Parameter	Description
username	

Response will be **true** only if the user is logged on. Otherwise, the result will always be false.

Request Example:

```
/users/edwin/logout
```

Response Example:

```
true
```

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
        Access-Control-Allow-Origin: *
        Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
        Access-Control-Allow-Headers: Content-Type, X-Requested-With
        Access-Control-Allow-Credentials: True
        Date: Mon, 07 Jul 2014 08:01:48 GMT
        Server: Microsoft-HTTPAPI/2.0
        Content-Length: 5
        Content-Type: application/json; charset=utf-8
    }
```

UserOpen

PUT /users/{username}/open

Parameter	Description
username	

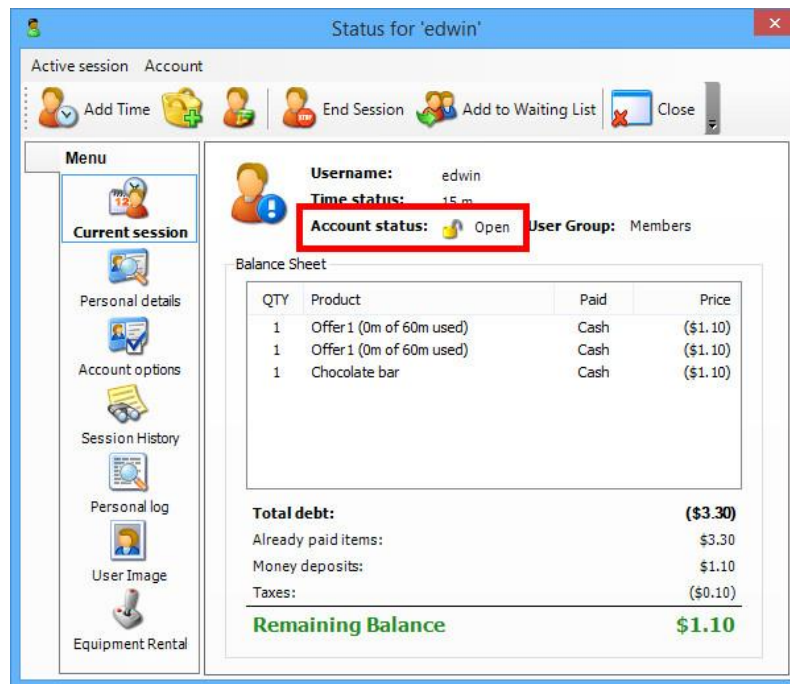
Request Example:

/users/edwin/open

Response Example:

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
        Access-Control-Allow-Origin: *
        Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
        Access-Control-Allow-Headers: Content-Type, X-Requested-With
        Access-Control-Allow-Credentials: True
        Date: Mon, 07 Jul 2014 08:07:44 GMT
        Server: Microsoft-HTTPAPI/2.0
        Content-Length: 4
        Content-Type: application/json; charset=utf-8
    }
```

Output in Smartlaunch Administrator:



UserLock

PUT /users/{username}/lock

Parameter	Description
username	

Request Example:

/users/edwin/lock

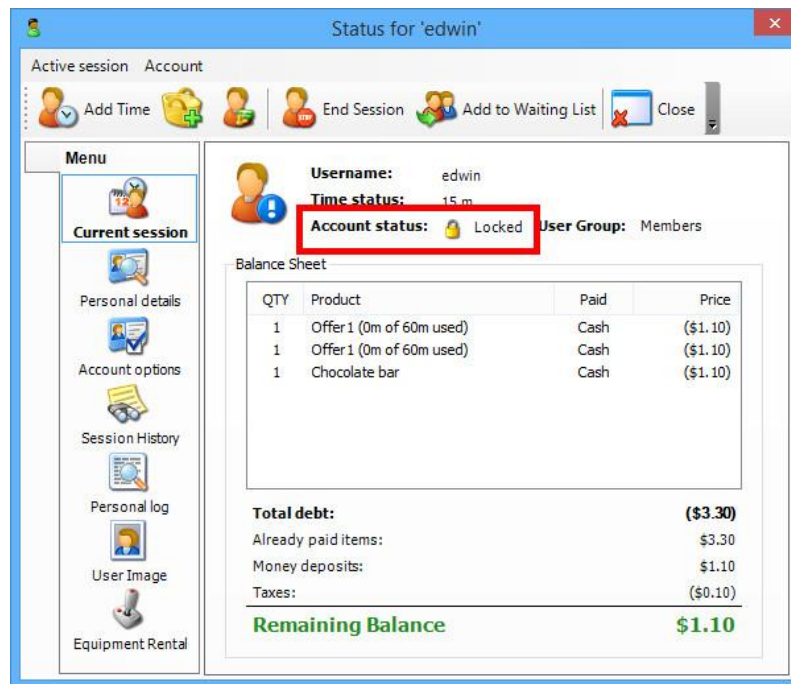
Response Example:

```

StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Mon, 07 Jul 2014 08:07:44 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 4
  Content-Type: application/json; charset=utf-8
}

```

Output in Smartlaunch Administrator:



UserBill

GET /users/{username}/bill

Parameter	Description
username	

Request Example:

/users/edwin/bill

Response Example:

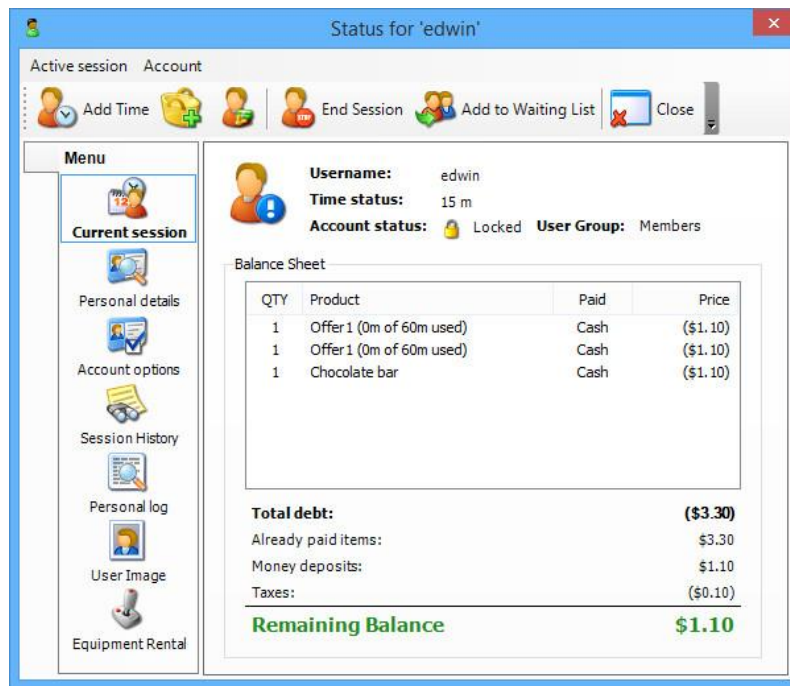
```
[{
  "ID" : -2,
  "Paymode" : -1,
  "Price" : 4.4,
  "ProductDescription" : "Balance",
  "ProductType" : "Balance",
  "Quantity" : -1,
  "RecordID" : 0
}, {
  "ID" : 1,
  "Paymode" : 1,
  "Price" : -1.1,
  "ProductDescription" : "Offer1 (0m of 60m used)",
  "ProductType" : "Offer",
  "Quantity" : 1,
  "RecordID" : 2
}, {
  "ID" : 1,
  "Paymode" : 1,
  "Price" : -1.1,
  "ProductDescription" : "Offer1 (0m of 60m used)",
  "ProductType" : "Offer",
  "Quantity" : 1,
  "RecordID" : 3
}, {
  "ID" : 39,
  "Paymode" : 1,
  "Price" : -1.1,
  "ProductDescription" : "Chocolate bar",
  "ProductType" : "Product",
  "Quantity" : 1,
  "RecordID" : 3
}
]
```

```

  StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 10:42:56 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 498
  Content-Type: application/json; charset=utf-8
}

```

Viewed on Smartlaunch Administrator:



UserAddTime

PUT /users/{username}/addtime

Query parameters:

Parameter	Description
username	username

UserAddTime	Parameter	Type	Description
	Minutes	integer	minutes to be added
	TotalPrice	double	total price
	IsTaxIncluded	boolean	whether tax included with the total price

Request example:

JSON

```
{
  "UserAddTime" : {
    "Minutes" : 60,
    "TotalPrice" : 1.00,
    "IsTaxIncluded" : true
  }
}
```

C#

```
//Class definition
public class UserAddTime
{
    public int Minutes { get; set; }
    public double TotalPrice { get; set; }
    public bool IsTaxIncluded { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

UserAddTime uat = new UserAddTime {
    Minutes = 60,
    TotalPrice = 1.00,
    IsTaxIncluded = true };

HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin/addtime", uat).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 02:07:41 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:

The screenshot shows the 'Status for edwin' window in the Smartlaunch Administrator. The window has a menu on the left with options like 'Current session', 'Personal details', 'Account options', 'Session History', 'Personal log', 'User Image', and 'Equipment Rental'. The main area displays the user's status: Username: edwin, Time status: 1 h 0 m, Account status: Open, and User Group: Members. Below this is a 'Balance Sheet' table with columns for Qty, Product, Paid, and Price. The table shows one entry: 1 Time (0m of 60m used) with a price of (\$1.00). At the bottom, the 'Total debt' is listed as (\$1.00), and the 'To Pay' amount is \$1.00.

Qty	Product	Paid	Price
1	Time (0m of 60m used)		(\$1.00)

Total debt: (\$1.00)
Already paid items: \$0.00
Money deposits: \$0.00
Taxes: \$0.09
To Pay \$1.00

UserAddProduct

PUT /users/{username}/addproduct

Query parameters:

Parameter	Description
username	username

UserAddProduct	Parameter	Type	Description
	ProductID	string	product to be added
	Quantity	integer	
	Paymode	integer	see paymode
	TotalPrice	double	total price
	IsTaxIncluded	boolean	whether tax included with the total price
	Note	string	

Request example:

JSON

```
{
  "UserAddProduct" : {
    "ProductID" : "39",
    "Quantity" : 1,
    "Paymode" : 1,
    "TotalPrice" : 1.10,
    "IsTaxIncluded" : true,
    "Note" : ""
  }
}
```

C#

```
//Class definition
public class UserAddProduct
{
    public string ProductID { get; set; }
    public int Quantity { get; set; }
    public int Paymode { get; set; }
    public double TotalPrice { get; set; }
    public bool IsTaxIncluded { get; set; }
    public string Note { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

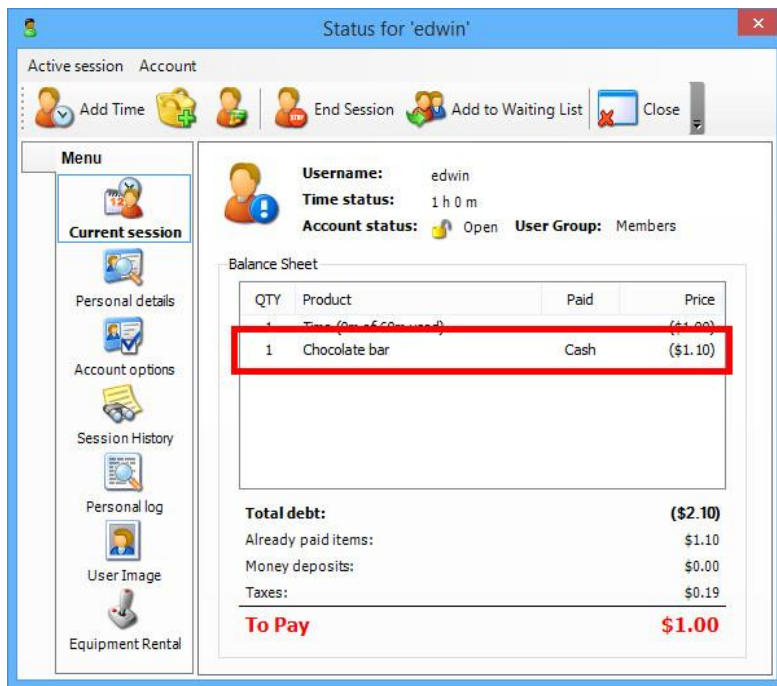
UserAddProduct uap = new UserAddProduct {
    ProductID = "39",
    Quantity = 1,
    Paymode = 1,
    TotalPrice = 1.10,
    IsTaxIncluded = true,
    Note = "" };

HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin/addproduct",
uap).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 02:46:43 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:



UserAddProducts

PUT /users/{username}/addproducts

Query parameters:

Parameter	Description
username	username

UserAddProducts	Parameter	Type	Description
	Products[]	array of UserProduct	products to be added
	Paymode	integer	see paymode
	IsTaxIncluded	boolean	whether tax included with the total price
	UserProduct		
	Parameter	Type	Description
	ProductID	string	product to be added
	Quantity	integer	
	TotalPrice	double	total price
	Note	string	

Request example:

JSON

```
{
  "UserAddProducts" : {
    "Products" : [{
      "ProductID" : "39",
      "Quantity" : 1,
      "TotalPrice" : 1.10,
      "Note" : ""
    }, {
      "ProductID" : "26",
      "Quantity" : 1,
      "TotalPrice" : 2.10,
      "Note" : ""
    }
  ],
  "Paymode" : 1,
  "IsTaxIncluded" : true
}
```

C#

```
//Class definition
public class UserProduct
{
    public string ProductID { get; set; }
    public int Quantity { get; set; }
    public double TotalPrice { get; set; }
    public string Note { get; set; }
}

public class UserAddProducts
{
    public UserProduct[] Products { get; set; }
    public int Paymode { get; set; }
    public bool IsTaxIncluded { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

UserProduct[] up = new UserProduct[] {
    new UserProduct { ProductID = "39", Quantity = 1, TotalPrice = 1.10, Note = "" },
    new UserProduct { ProductID = "26", Quantity = 1, TotalPrice = 2.10, Note = "" }};

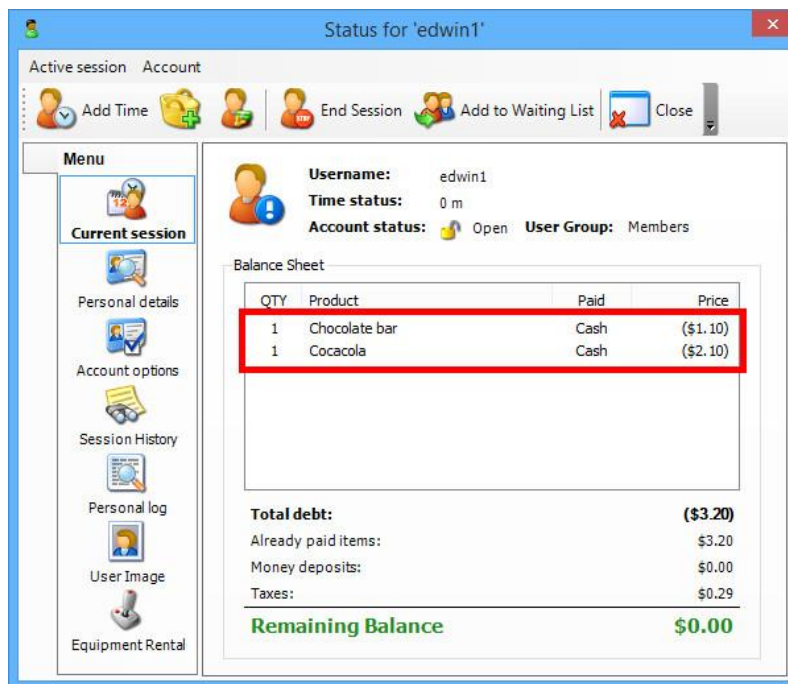
UserAddProducts uap = new UserAddProducts {
    Products = up,
    Paymode = 1,
    IsTaxIncluded = true };

HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin1/addproducts",
uap).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 03:06:58 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 4
  Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:



UserAddOffer

PUT /users/{username}/addoffer

Query parameters:

Parameter	Description
username	username

UserAddOffer	Parameter	Type	Description
	OfferID	string	offer to be added
	Quantity	integer	
	Paymode	integer	see paymode
	TotalPrice	double	total price
	IsTaxIncluded	boolean	whether tax included with the total

		price
IsFixedStart	boolean	if set means the offer can only be used after the start date
StartDate	double	UNIX time stamp
Note	string	

Request example:

JSON

```
{
  "UserAddOffer" : {
    "OfferID" : "1",
    "Quantity" : 1,
    "Paymode" : 1,
    "TotalPrice" : 1.10,
    "IsTaxIncluded" : true,
    "IsFixedStart" : true,
    "StartDate" : 1404484200,
    "Note" : ""
  }
}
```

C#

```
//Class definition
public class UserAddOffer
{
    public string OfferID { get; set; }
    public int Quantity { get; set; }
    public int Paymode { get; set; }
    public double TotalPrice { get; set; }
    public bool IsTaxIncluded { get; set; }
    public bool IsFixedStart { get; set; }
    public string StartDate { get; set; }
    public string Note { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

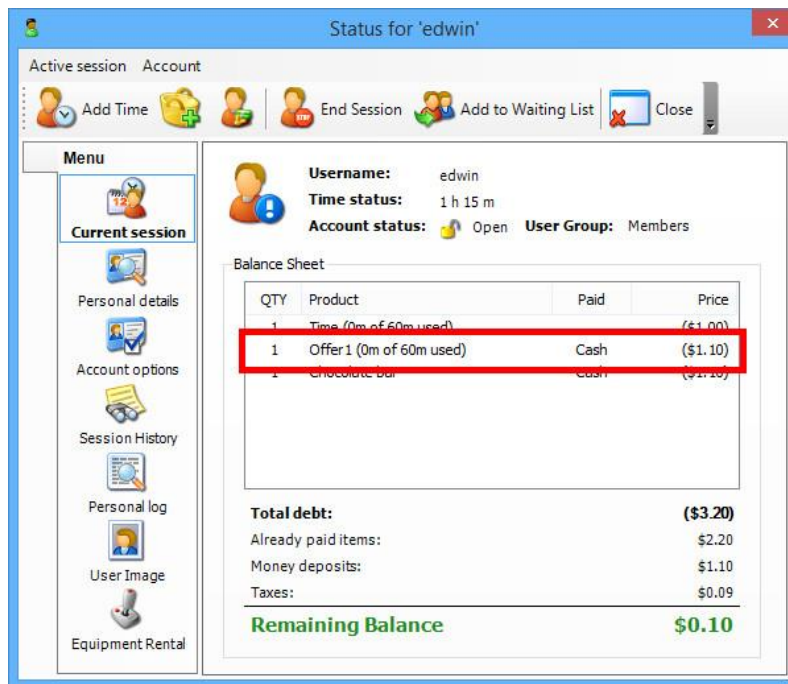
UserAddOffer uao = new UserAddOffer {
    OfferID = "1",
    Quantity = 1,
    Paymode = 1,
    TotalPrice = 1.10,
    IsTaxIncluded = true,
    IsFixedStart = true,
    StartDate = 1404484200,
    Note = "" };

HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin/addoffer", uao).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 03:35:20 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:



UserAddOffers

PUT /users/{username}/addoffers

Query parameters:

Parameter	Description
username	username

UserAddOffers	Parameter	Type	Description
	Offers[]	array of UserOffer	offers to be added
	Paymode	integer	see paymode
	IsTaxIncluded	boolean	whether tax included with the total price
	UserOffer		
	Parameter	Type	Description
	OfferID	string	offer to be added
	Quantity	integer	
	TotalPrice	double	total price
	IsFixedStart	boolean	if set means the offer can only be used after the start date
	StartDate	double	UNIX time stamp
	Note	string	

Request example:

[smartlaunch](#)

JSON

```
{
  "UserAddOffers" : {
    "Offers" : [{
      "OfferID" : "1",
      "Quantity" : 1,
      "TotalPrice" : 1.10,
      "IsFixedStart" : true,
      "StartDate" : 1404484200,
      "Note" : ""
    }, {
      "OfferID" : "2",
      "Quantity" : 1,
      "TotalPrice" : 2.10,
      "IsFixedStart" : true,
      "StartDate" : 1404484200,
      "Note" : ""
    }
  ],
  "Paymode" : 1,
  "IsTaxIncluded" : true
}
```

C#

```
//Class definition
public class UserOffer
{
    public string OfferID { get; set; }
    public int Quantity { get; set; }
    public double TotalPrice { get; set; }
    public bool IsFixedStart { get; set; }
    public double StartDate { get; set; }
    public string Note { get; set; }
}

public class UserAddOffers
{
    public UserOffer[] Offers { get; set; }
    public int Paymode { get; set; }
    public bool IsTaxIncluded { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

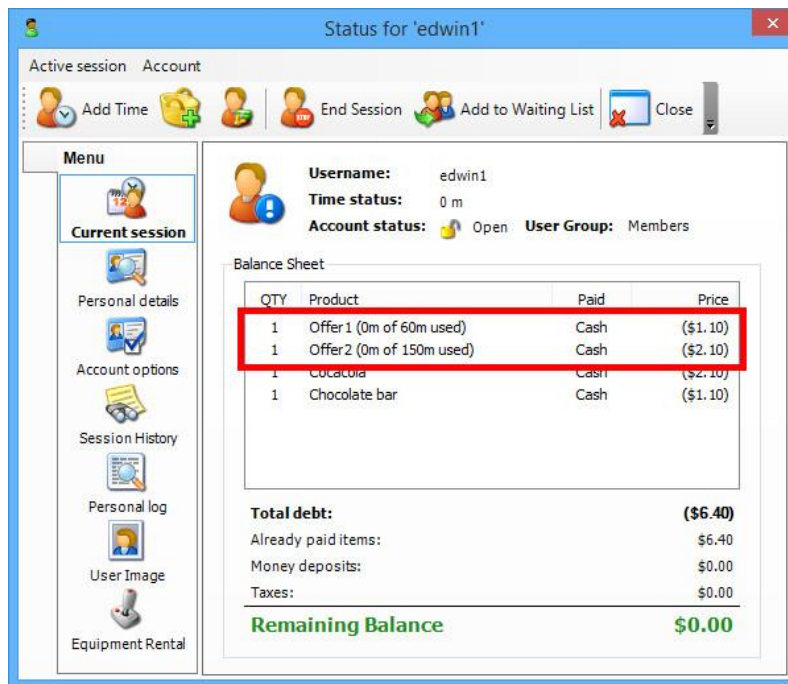
UserOffer[] uo = new UserOffer[] {
    new UserOffer { OfferID = "1", Quantity = 1, TotalPrice = 1.10, IsFixedStart = true,
StartDate = 1404484200, Note = "" },
    new UserOffer { OfferID = "2", Quantity = 1, TotalPrice = 2.10, IsFixedStart = true,
StartDate = 1404484200, Note = "" }
};

UserAddOffers uao = new UserAddOffers { Offers = uo, Paymode = 1, IsTaxIncluded = true };
HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin1/addoffers",
uao).Result;
Console.WriteLine(response.ToString());
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 03:51:10 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:



UserAddMoney

PUT /users/{username}/addmoney

Query parameters:

Parameter	Description
username	username

UserAddMoney	Parameter	Type	Description
	Amount	double	money to be added / withdrew

Request example:

JSON

```
{
  "UserAddMoney" : {
    "Amount" : 12.50
  }
}
```

C#

```
//Class definition
public class UserAddMoney
{
    public double Amount { get; set; }
}

//Request
HttpClient client = new HttpClient();
Uri baseAddress = new Uri(String.Format("http://{0}:{1}", SLServerRESTfulIP,
SLServerRESTfulPort));
client.BaseAddress = baseAddress;

UserAddMoney uam = new UserAddMoney { Amount = 12.50 };

HttpResponseMessage response = client.PutAsJsonAsync("/users/edwin1/addmoney",
uam).Result;
```

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Fri, 04 Jul 2014 03:59:42 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 4
    Content-Type: application/json; charset=utf-8
}
```

Output in Smartlaunch Administrator:

The screenshot shows the 'Status for 'edwin1'' window in the Smartlaunch Administrator. The interface includes a menu on the left with options like 'Current session', 'Personal details', 'Account options', 'Session History', 'Personal log', 'User Image', and 'Equipment Rental'. The main area displays user information: Username: edwin1, Time status: 2 h 45 m, Account status: Open, and User Group: Members. Below this is a 'Balance Sheet' table with columns for QTY, Product, Paid, and Price. The table lists four items: Offer1 (0m of 60m used), Offer2 (0m of 150m used), Cocacola, and Chocolate bar, all paid in cash. The total debt is \$6.40. A red box highlights the 'Money deposits' section, which shows a deposit of \$12.50. The remaining balance is \$12.50.

QTY	Product	Paid	Price
1	Offer1 (0m of 60m used)	Cash	(\$1.10)
1	Offer2 (0m of 150m used)	Cash	(\$2.10)
1	Cocacola	Cash	(\$2.10)
1	Chocolate bar	Cash	(\$1.10)

Total debt: (\$6.40)
Already paid items: \$6.40
Money deposits: \$12.50
Taxes: \$0.00
Remaining Balance \$12.50

Usergroups

UserGroupAll

GET /usergroups

Response Example:

```
[{
  "GuestAllowed" : true,
  "NextUserGroupAfterDays" : 0,
  "NextUserGroupName" : "",
  "OfferPrice" : 0,
  "OfferRequiredToJoin" : "",
  "StandardMaxCredit" : -1,
  "StandardMaxCreditCanBeModified" : false,
  "UserGroupID" : "1",
  "UserGroupName" : "Guests"
}, {
  "GuestAllowed" : true,
  "NextUserGroupAfterDays" : 0,
  "NextUserGroupName" : "",
  "OfferPrice" : 0,
  "OfferRequiredToJoin" : "",
  "StandardMaxCredit" : -1,
  "StandardMaxCreditCanBeModified" : false,
  "UserGroupID" : "2",
  "UserGroupName" : "Members"
}, /* Continued... */
]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Fri, 04 Jul 2014 05:11:42 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 876
  Content-Type: application/json; charset=utf-8
}
```

UserGroup

GET /usergroups/{usergroupname}

Parameter	Type	Description
usergroupname	string	usergroup name

Request Example:

/usergroups/Members

Response Example:

```
{
  "GuestAllowed" : true,
  "NextUserGroupAfterDays" : 0,
  "NextUserGroupName" : "",
  "OfferPrice" : 0,
  "OfferRequiredToJoin" : "",
  "StandardMaxCredit" : -1,
  "StandardMaxCreditCanBeModified" : false,
  "UserGroupID" : "2",
  "UserGroupName" : "Members"
}
```

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
      Access-Control-Allow-Origin: *
      Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
      Access-Control-Allow-Headers: Content-Type, X-Requested-With
      Access-Control-Allow-Credentials: True
      Date: Fri, 04 Jul 2014 05:15:15 GMT
      Server: Microsoft-HTTPAPI/2.0
      Content-Length: 217
      Content-Type: application/json; charset=utf-8
    }
```

Computers

ComputerAll

GET /computers

Response Example:

```
[{
  "ActiveApplications" : "",
  "ActiveUserID" : "-1",
  "ActiveUserID_Controller1" : "-1",
  "ActiveUserID_Controller2" : "-1",
  "ActiveUserID_Controller3" : "-1",
  "ActiveUserID_Controller4" : "-1",
  "ActiveUserID_Controller5" : "-1",
  "ActiveUserID_Controller6" : "-1",
  "ActiveUserID_Controller7" : "-1",
  "ActiveUserID_Controller8" : "-1",
  "ActiveUserName" : "",
  "ActiveUserName_Controller1" : "",
  "ActiveUserName_Controller2" : "",
  "ActiveUserName_Controller3" : "",
  "ActiveUserName_Controller4" : "",
  "ActiveUserName_Controller5" : "",
  "ActiveUserName_Controller6" : "",
  "ActiveUserName_Controller7" : "",
  "ActiveUserName_Controller8" : "",
  "ComputerGroupID" : "13",
  "ComputerID" : "1",
  "ConsoleType" : "Disabled",
  "Name" : "PC001",
  "TurnedOn" : false
}, /* Continued... */
]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 10:57:31 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 33787
  Content-Type: application/json; charset=utf-8
}
```

Computer

GET /computers/{computername}

Parameter	Description
computername	computer name

Request Example:

/computers/PC001

Response Example:

```
{
  "ActiveApplications" : "",
  "ActiveUserID" : "-1",
  "ActiveUserID_Controller1" : "-1",
  "ActiveUserID_Controller2" : "-1",
  "ActiveUserID_Controller3" : "-1",
  "ActiveUserID_Controller4" : "-1",
  "ActiveUserID_Controller5" : "-1",
  "ActiveUserID_Controller6" : "-1",
  "ActiveUserID_Controller7" : "-1",
  "ActiveUserID_Controller8" : "-1",
  "ActiveUserName" : "",
  "ActiveUserName_Controller1" : "",
  "ActiveUserName_Controller2" : "",
  "ActiveUserName_Controller3" : "",
  "ActiveUserName_Controller4" : "",
  "ActiveUserName_Controller5" : "",
  "ActiveUserName_Controller6" : "",
  "ActiveUserName_Controller7" : "",
  "ActiveUserName_Controller8" : "",
  "ComputerGroupID" : "13",
  "ComputerID" : "1",
  "ConsoleType" : "Disabled",
  "Name" : "PC001",
  "TurnedOn" : false
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 11:00:32 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 674
  Content-Type: application/json; charset=utf-8
}
```

ComputerTurnOn

PUT /computers/{computername}/turnon

Parameter	Description
computername	computer name

This feature requires a Wake-on-LAN feature. Refer to these article:

- <http://smartlaunch.helpserve.com/Knowledgebase/Article/View/111/0/when-i-click-turn-on-in-the-admin-the-computers-do-nothing>
- <http://smartlaunch.helpserve.com/Knowledgebase/Article/View/89/4/cannot-turn-on-computers>

Request Example:

/computers/PC001/turnon

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 11:02:30 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 5
  Content-Type: application/json; charset=utf-8
}
```

ComputerTurnOff

PUT /computers/{computername}/turnoff

Parameter	Description
computername	computer name

Request Example:

/computers/PC001/turnoff

Response Example:

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 11:07:35 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 4
  Content-Type: application/json; charset=utf-8
}
```

ComputerGroupAll

GET /computergroups

Response Example:

```
[{
  "ComputerGroupID" : "0",
  "Name" : "Ungrouped"
}, {
  "ComputerGroupID" : "13",
  "Name" : "Default"
}]
```

```

    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
      Access-Control-Allow-Origin: *
      Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
      Access-Control-Allow-Headers: Content-Type, X-Requested-With
      Access-Control-Allow-Credentials: True
      Date: Tue, 08 Jul 2014 11:14:04 GMT
      Server: Microsoft-HTTPAPI/2.0
      Content-Length: 86
      Content-Type: application/json; charset=utf-8
    }

```

ComputerGroup

GET /computergroups/{computergroupname}

Parameter	Description
computername	computer name

Request Example:

/computergroups/Default

Response Example:

```
{
  "ComputerGroupID" : "13",
  "Name" : "Default"
}
```

```

    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
      Access-Control-Allow-Origin: *
      Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
      Access-Control-Allow-Headers: Content-Type, X-Requested-With
      Access-Control-Allow-Credentials: True
      Date: Tue, 08 Jul 2014 11:16:04 GMT
      Server: Microsoft-HTTPAPI/2.0
      Content-Length: 41
      Content-Type: application/json; charset=utf-8
    }

```

ComputerGroupByComputerName

GET /computergroups/bycomputername?computername={computername}

Parameter	Description
computername	computer name

Request Example:

/computergroups/bycomputername?computername=PC001

Response Example:

```
{
  "ComputerGroupID" : "13",
  "Name" : "Default"
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Tue, 08 Jul 2014 11:16:31 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 41
  Content-Type: application/json; charset=utf-8
}
```

LayoutGroupAll

GET /layoutgroups

Response Example:

```
[{
  "LayoutGroupID" : "1",
  "Name" : "All Computers"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 03:53:11 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 46
  Content-Type: application/json; charset=utf-8
}
```

LayoutGroup

GET /layoutgroups/{layoutgroupname}

Parameter	Description
layoutgroupname	layout group name

Request Example:

/layoutgroups/All%20Computers

Response Example:

```
{
  "LayoutGroupID" : "1",
  "Name" : "All Computers"
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 04:09:53 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 44
  Content-Type: application/json; charset=utf-8
}
```

LayoutGroupByComputerGroupName

GET /layoutgroups/bycomputergroupname?computergroupname={computergroupname}

Parameter	Description
computergroupname	computer group name

Request Example:

/layoutgroups/bycomputergroupname?computergroupname=Default

Response Example:

```
[{
  "LayoutGroupID" : "1",
  "Name" : "All Computers"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 04:15:51 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 46
  Content-Type: application/json; charset=utf-8
}
```

LayoutGroupByComputerName

GET /layoutgroups/bycomputername?computername={computername}

Parameter	Description
computername	computer name

Request Example:

/layoutgroups/bycomputername?computername=PC001

Response Example:

```
[{
  "LayoutGroupID" : "1",
  "Name" : "All Computers"
}]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 04:18:45 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 46
  Content-Type: application/json; charset=utf-8
}
```

Products and Offers

ProductGroupAll

GET /productgroups

Response Example:

```
[{
  "Name" : "(Ungrouped)",
  "ProductGroupID" : "0",
  "Tax" : "None",
  "Tax1" : false,
  "Tax2" : false,
  "Tax3" : false
}, {
  "Name" : "Candy",
  "ProductGroupID" : "2",
  "Tax" : "Tax1",
  "Tax1" : true,
  "Tax2" : false,
  "Tax3" : false
}, {
  "Name" : "Chocolate",
  "ProductGroupID" : "20",
  "Tax" : "Tax1",
  "Tax1" : true,
  "Tax2" : false,
  "Tax3" : false
}, /* Continued... */
]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 04:42:20 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 737
  Content-Type: application/json; charset=utf-8
}
```

ProductGroup

GET /productgroups/{productgroupname}

Parameter	Description
productgroupname	product group name

Request Example:

/productgroups/Chocolate

Response Example:

```
{
  "Name" : "Chocolate",
  "ProductGroupID" : "20",
  "Tax" : "Tax1",
  "Tax1" : true,
  "Tax2" : false,
  "Tax3" : false
}
```

```

  StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
  {
    Access-Control-Allow-Origin: *
    Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
    Access-Control-Allow-Headers: Content-Type, X-Requested-With
    Access-Control-Allow-Credentials: True
    Date: Wed, 09 Jul 2014 04:52:24 GMT
    Server: Microsoft-HTTPAPI/2.0
    Content-Length: 93
    Content-Type: application/json; charset=utf-8
  }

```

ProductAll

GET /products

Response Example:

```
[{
  "Active" : true,
  "AllowClientOrder" : true,
  "BarCode" : "",
  "CostPrice" : 0,
  "DefaultPrice" : 1,
  "IsDiscount" : false,
  "IsPrint" : false,
  "Name" : "CD Burn",
  "ProductGroupID" : "13",
  "ProductID" : "32",
  "Stock" : 0,
  "StockEnabled" : true,
  "Tax" : "GroupDefault"
}, {
  "Active" : true,
  "AllowClientOrder" : true,
  "BarCode" : "",
  "CostPrice" : 0,
  "DefaultPrice" : 1,
  "IsDiscount" : false,
  "IsPrint" : false,
  "Name" : "Chocolate bar",
  "ProductGroupID" : "20",
  "ProductID" : "39",
  "Stock" : -13,
  "StockEnabled" : true,
  "Tax" : "GroupDefault"
}, /* Continued... */
]
```

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
        Access-Control-Allow-Origin: *
        Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
        Access-Control-Allow-Headers: Content-Type, X-Requested-With
        Access-Control-Allow-Credentials: True
        Date: Wed, 09 Jul 2014 04:54:10 GMT
        Server: Microsoft-HTTPAPI/2.0
        Content-Length: 1601
        Content-Type: application/json; charset=utf-8
    }
```

Product

GET /products/{productname}

Parameter	Description
productname	product name

Request Example:

/products/Chocolate%20Bar

Response Example:

```
{
  "Active" : false,
  "AllowClientOrder" : false,
  "BarCode" : null,
  "CostPrice" : 0,
  "DefaultPrice" : 0,
  "IsDiscount" : false,
  "IsPrint" : false,
  "Name" : null,
  "ProductGroupID" : null,
  "ProductID" : null,
  "Stock" : 0,
  "StockEnabled" : false,
  "Tax" : null
}
```

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
        Access-Control-Allow-Origin: *
        Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
        Access-Control-Allow-Headers: Content-Type, X-Requested-With
        Access-Control-Allow-Credentials: True
        Date: Wed, 09 Jul 2014 04:56:02 GMT
        Server: Microsoft-HTTPAPI/2.0
        Content-Length: 215
        Content-Type: application/json; charset=utf-8
    }
```


OfferAll

GET /offers

Response Example:

```
[{
  "Active" : true,
  "AllowClientOrder" : true,
  "BarCode" : "",
  "CostPrice" : 0,
  "DefaultPrice" : 1,
  "Minutes" : 60,
  "Name" : "Offer1",
  "OfferID" : "1",
  "ProductGroupID" : "13",
  "Tax" : "GroupDefault"
}, {
  "Active" : true,
  "AllowClientOrder" : true,
  "BarCode" : "",
  "CostPrice" : 0,
  "DefaultPrice" : 2,
  "Minutes" : 150,
  "Name" : "Offer2",
  "OfferID" : "2",
  "ProductGroupID" : "13",
  "Tax" : "GroupDefault"
}, /* Continued... */
]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 04:57:36 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 342
  Content-Type: application/json; charset=utf-8
}
```

Offer

GET /offers/{offername}

Parameter	Description
offername	offer name

Request Example:

/offers/Offer1

Response Example:

[smartlaunch](#)

```
{
  "Active" : true,
  "AllowClientOrder" : true,
  "BarCode" : "",
  "CostPrice" : 0,
  "DefaultPrice" : 1,
  "Minutes" : 60,
  "Name" : "Offer1",
  "OfferID" : "1",
  "ProductGroupID" : "13",
  "Tax" : "GroupDefault"
}
```

```
    StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
    {
      Access-Control-Allow-Origin: *
      Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
      Access-Control-Allow-Headers: Content-Type, X-Requested-With
      Access-Control-Allow-Credentials: True
      Date: Wed, 09 Jul 2014 04:59:00 GMT
      Server: Microsoft-HTTPAPI/2.0
      Content-Length: 159
      Content-Type: application/json; charset=utf-8
    }
```

Employees

EmployeeAll

GET /employees

Response Example:

```
[{
  "Address" : "",
  "City" : "",
  "Email" : "",
  "EmployeeID" : "31",
  "IsAdministrator" : false,
  "IsEmployee" : false,
  "IsTechnician" : false,
  "MobilePhone" : "",
  "Name" : "Administrator",
  "PasswordHash" : "0DPiKuNIrrVmD8IUCuwlhQxNqZc=",
  "PrivilegesAdministrator" : "2097151",
  "PrivilegesClient" : "31",
  "PrivilegesServer" : "31",
  "State" : "",
  "Telephone" : "",
  "Username" : "Admin",
  "Zip" : ""
}, {
  "Address" : "",
  "City" : "",
  "Email" : "",
  "EmployeeID" : "32",
  "IsAdministrator" : false,
  "IsEmployee" : false,
  "IsTechnician" : false,
  "MobilePhone" : "",
  "Name" : "Employee",
  "PasswordHash" : "",
  "PrivilegesAdministrator" : "2095297",
  "PrivilegesClient" : "21",
  "PrivilegesServer" : "16",
  "State" : "",
  "Telephone" : "",
  "Username" : "Employee",
  "Zip" : ""
}, /* Continued... */
]
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 05:35:59 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 971
  Content-Type: application/json; charset=utf-8
}
```

Employee

GET /employees/{employeeName}

Parameter	Description
employeeName	employee name

Request Example:

/employees/Admin

Response Example:

```
{
  "Address" : "",
  "City" : "",
  "Email" : "",
  "EmployeeID" : "31",
  "IsAdministrator" : false,
  "IsEmployee" : false,
  "IsTechnician" : false,
  "MobilePhone" : "",
  "Name" : "Administrator",
  "PasswordHash" : "ODPiKuNIrrVmD8IUCuw1hQxNqZc=",
  "PrivilegesAdministrator" : "2097151",
  "PrivilegesClient" : "31",
  "PrivilegesServer" : "31",
  "State" : "",
  "Telephone" : "",
  "Username" : "Admin",
  "Zip" : ""
}
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 05:38:19 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 341
  Content-Type: application/json; charset=utf-8
}
```

EmployeeLogin

GET /employees/{employeeName}/login?password={password}

Parameter	Description
employeeName	
password	

Request Example:

/employees/Admin/login?password=12345678

Response Example:

```
true
```

```
StatusCode: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 05:41:38 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 5
  Content-Type: application/json; charset=utf-8
}
```

Financial Reports

FinancialReport

GET /financialreport/startdate={startdate}&enddate={enddate}&employee={employee}

Parameter	Description
startdate	UNIX time stamp
enddate	UNIX time stamp
employee	

Request Example:

/financialreport/startdate=1404172800&enddate=1404950400&employee=Admin

Response Example:

```
[{
  "GroupName" : "{Account Transactions}",
  "Name" : "{Deposits}",
  "Quantity" : 0,
  "ReportDate" : 1404471557,
  "SubGroupName" : "{Deposits and Withdrawals}",
  "Tax1" : "0",
  "Tax2" : "0",
  "Tax3" : "0",
  "Total" : 12.5,
  "Username" : "edwin1"
}, {
  "GroupName" : "{Account Transactions}",
  "Name" : "{Deposits}",
  "Quantity" : 0,
  "ReportDate" : 1404471569,
  "SubGroupName" : "{Deposits and Withdrawals}",
  "Tax1" : "0",
  "Tax2" : "0",
  "Tax3" : "0",
  "Total" : 0,
  "Username" : "edwin1"
}, {
  "GroupName" : "{Account Transactions}",
  "Name" : "{Deposits}",
  "Quantity" : 0,
  "ReportDate" : 1404471582,
  "SubGroupName" : "{Deposits and Withdrawals}",
  "Tax1" : "0",
  "Tax2" : "0",
  "Tax3" : "0",
  "Total" : 0,
  "Username" : "edwin1"
}, {
  "GroupName" : "{Account Transactions}",
  "Name" : "{Deposits}",
  "Quantity" : 0,
  "ReportDate" : 1404471679,
  "SubGroupName" : "{Deposits and Withdrawals}",
  "Tax1" : "0",
  "Tax2" : "0",
  "Tax3" : "0",
  "Total" : 12.5,
  "Username" : "edwin1"
}, /* Continued... */
]
```

```
Status: 200, ReasonPhrase: 'OK', Version: 1.1, Content:
System.Net.Http.StreamContent, Headers:
{
  Access-Control-Allow-Origin: *
  Access-Control-Allow-Methods: GET, POST, OPTIONS, PUT, PATCH, DELETE
  Access-Control-Allow-Headers: Content-Type, X-Requested-With
  Access-Control-Allow-Credentials: True
  Date: Wed, 09 Jul 2014 05:48:52 GMT
  Server: Microsoft-HTTPAPI/2.0
  Content-Length: 5952
  Content-Type: application/json; charset=utf-8
}
```

