

Smartlaunch RESTful API Documentation

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

Users, Usergroups

UserAddTime

PUT /users/{username}/addtime

Query parameters:

Parameter	Description												
username	username												
UserAddTime	<table border="1"><thead><tr><th>Parameter</th><th>Type</th><th>Description</th></tr></thead><tbody><tr><td>Minutes</td><td>integer</td><td>minutes to be added</td></tr><tr><td>TotalPrice</td><td>double</td><td>total price</td></tr><tr><td>IsTaxIncluded</td><td>boolean</td><td>whether tax included with the total price</td></tr></tbody></table>	Parameter	Type	Description	Minutes	integer	minutes to be added	TotalPrice	double	total price	IsTaxIncluded	boolean	whether tax included with the total price
	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:

```
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: 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:

Status for 'edwin'

Active session Account

Add Time Add End Session Add to Waiting List Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin
Time status: 1 h 0 m
Account status: Open **User Group:** Members

Balance Sheet

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:

Status for 'edwin'

Active session Account

Add Time Add To Waiting List End Session Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin
Time status: 1 h 0 m
Account status: Open **User Group:** Members

Balance Sheet

QTY	Product	Paid	Price
1	Tuna (200 x 50g x 100g)		(\$1.00)
1	Chocolate bar	Cash	(\$1.10)

Total debt: (\$2.10)
Already paid items: \$1.10
Money deposits: \$0.00
Taxes: \$0.19

To Pay \$1.00

UserAddProducts

PUT /users/{username}/addproducts

Query parameters:

Parameter	Description														
username	username														
UserAddProducts	<table border="1"><thead><tr><th>Parameter</th><th>Type</th><th>Description</th></tr></thead><tbody><tr><td>Products[]</td><td>array of UserProduct</td><td>products to be added</td></tr><tr><td>Paymode</td><td>integer</td><td>see paymode</td></tr><tr><td>IsTaxIncluded</td><td>boolean</td><td>whether tax included with the total price</td></tr></tbody></table>	Parameter	Type	Description	Products[]	array of UserProduct	products to be added	Paymode	integer	see paymode	IsTaxIncluded	boolean	whether tax included with the total price		
	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														
	<table border="1"><thead><tr><th>Parameter</th><th>Type</th><th>Description</th></tr></thead><tbody><tr><td>ProductID</td><td>string</td><td>product to be added</td></tr><tr><td>Quantity</td><td>integer</td><td></td></tr><tr><td>TotalPrice</td><td>double</td><td>total price</td></tr><tr><td>Note</td><td>string</td><td></td></tr></tbody></table>	Parameter	Type	Description	ProductID	string	product to be added	Quantity	integer		TotalPrice	double	total price	Note	string
Parameter	Type	Description													
ProductID	string	product to be added													
Quantity	integer														
TotalPrice	double	total price													
Note	string														

Request example:

JSON

```
{
  "UserAddProducts" : [{
    "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:

Status for 'edwin1'

Active session Account

Add Time Add End Session Add to Waiting List Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin1
Time status: 0 m
Account status: Open **User Group:** Members

Balance Sheet

QTY	Product	Paid	Price
1	Chocolate bar	Cash	(\$1.10)
1	Cocacola	Cash	(\$2.10)

Total debt: **(\$3.20)**
Already paid items: \$3.20
Money deposits: \$0.00
Taxes: \$0.29

Remaining Balance **\$0.00**

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:

Status for 'edwin'

Active session Account

Add Time Add End Session Add to Waiting List Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin
Time status: 1 h 15 m
Account status: Open **User Group:** Members

Balance Sheet

QTY	Product	Paid	Price
1	Time (0m of 60m used)		(\$1.00)
1	Offer1 (0m of 60m used)	Cash	(\$1.10)
1	Chocolate Bar	Cash	(\$1.10)

Total debt: (\$3.20)
Already paid items: \$2.20
Money deposits: \$1.10
Taxes: \$0.09

Remaining Balance \$0.10

UserAddOffers

PUT /users/{username}/addoffers

Query parameters:

Parameter	Description
username	username

Parameter	Type	Description
Offers[]	array of UserOffer	offers to be added
Paymode	integer	see paymode
IsTaxIncluded	boolean	whether tax included with the total price

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:

JSON

```
{
  "UserAddOffers" : [{
    "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:

Status for 'edwin1'

Active session Account

Add Time Add End Session Add to Waiting List Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin1
Time status: 0 m
Account status: Open **User Group:** Members

Balance Sheet

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: \$0.00
Taxes: \$0.00

Remaining Balance **\$0.00**

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;
Console.WriteLine(response.ToString());
```

Response Example:

```
Status: 200 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 window has a blue title bar and a toolbar with icons for 'Add Time', 'End Session', 'Add to Waiting List', and 'Close'. A 'Menu' sidebar on the left contains options like 'Current session', 'Personal details', 'Account options', 'Session History', 'Personal log', 'User Image', and 'Equipment Rental'. The main content area displays account 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: Offer 1 (0m of 60m used) for \$1.10, Offer 2 (0m of 150m used) for \$2.10, Cocacola for \$2.10, and Chocolate bar for \$1.10. Summary rows show 'Total debt: (\$6.40', 'Already paid items: \$6.40', and 'Money deposits: \$12.50'. The 'Money deposits' row is highlighted with a red border. At the bottom, 'Remaining Balance' is shown as \$12.50.

Active session Account

Add Time End Session Add to Waiting List Close

Menu

- Current session
- Personal details
- Account options
- Session History
- Personal log
- User Image
- Equipment Rental

Username: edwin1
Time status: 2 h 45 m
Account status: Open **User Group:** Members

Balance Sheet

QTY	Product	Paid	Price
1	Offer 1 (0m of 60m used)	Cash	(\$1.10)
1	Offer 2 (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