**API Specification Doc**

**(*iKart Adapter NodeJS App*)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 05-Sep-2014 | Abraham.K | Initial draft |

## 

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## 

Methods

## 1. login

Authenticate the user with the system and obtain the token or oauth code

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/login/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET  GET | username  password | string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | {  "userid": <user\_id>,  "name": <name>,  }  auth\_key (**string**) - all requests to |
| 403 | {"error":"username or password is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Invalid username/password key."} |
| 401 | {"error":"Incorrect username or password."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 2. get product details

Get the information about the product details

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/getProductDetails/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | pid | string |

**pid**

The pid is the unique product bundle id.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "name": "uid=abraham",  "price": "100 USD",  "thumbnail": " \/wcsstore\/Booch\/images\/catalog\/apparel\/boys\/bcl014\_tops\/160x160\/bcl014\_1413.jpg ",  "id": 18762,  } |
| 400 | {"error":"something unexpected happened while getting product details"} |
| 400 | {"error":" something unexpected happened while getting product details "} |
| 401 | {"error":" something unexpected happened while getting product details "} |
| 500 | {"error":" something unexpected happened while getting product details "} |

## 3. add to cart

add product to cart

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/addToCart/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET  GET | pid  quantity | string  number |

**pid**

The uniques SKU product id

**quantity**

Number of products to be added

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {"orderid":19820} |
| 400 | {"error":"something unexpected happened while adding to cart"} |
| 400 | {"error":"something unexpected happened while adding to cart"} |
| 401 | {"error":"something unexpected happened while adding to cart"} |
| 500 | {"error":"something unexpected happened while adding to cart"} |

## 4. view cart

Get more information on a particular recipe

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/ viewCart/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| - | - | - |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An array containing the cart items and price is given**  Example response:-  {  "buyername":"uid=abraham",  "total": 2300 USD,  "orderid": 120939,  "orderitems": [{ Array of items similar to **get product details** }],  "status": "P"  } |
| 400 | {"error":"something unexpected happened while adding to cart"} |
| 400 | {"error":" something unexpected happened while adding to cart "} |
| 401 | {"error":" something unexpected happened while adding to cart "} |
| 500 | {"error":" something unexpected happened while adding to cart "} |

## 5. checkout

product checkout with payment options

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/checkOut/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET | orderid | number |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {"status":"Payment successfull","orderid":19820} |
| 400 | {"error":"something happened unexpected while checkout"} |
| 400 | {"error":"something happened unexpected while checkout "} |
| 401 | {"error":"something happened unexpected while checkout "} |
| 500 | {"error":"something happened unexpected while checkout "} |

## 6. remove item from cart

remove an item from shopping cart

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | <ip>:<port>/removeFromCart/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET  GET | pid  quantity | string  number |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | {orderid":19820} |
| 400 | {"error":"something unexpected happened while removing"} |
| 400 | {"error":"something unexpected happened while removing "} |
| 401 | {"error":"something unexpected happened while removing "} |
| 500 | {"error":"something unexpected happened while removing "} |

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]
* The type of values accepted for a *request* parameter are shown the the values column like this [**10**|<any number>] .The | symbol means *OR*. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |