**API Specification Doc**

**(*Smart Technology marketing App*)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 05-Nov-2017 | * Muhammad Sohail * Saeed   Gul | Initial draft |

## 

## 

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Methods

## 1. Signup

Authenticate the user with the system and obtain the auth\_token

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | Api/Signup/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | api\_key  username  password | string  string  string |

**api\_key**

Api\_key must be sent with all client requests. The api\_key helps the server to validate the request source.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "auth\_key": <auth\_key>  }  auth\_key (**string**) - all further API calls must have this key in header |
| 500 | {"error”: “Something went wrong. Please try again later."} |

## 2. Login System

Authenticate the user with the system and obtain the auth\_token

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/login/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | api\_key  username  password | string  string  string |

**api\_key**

Api\_key must be sent with all client requests. The api\_key helps the server to validate the request source.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "auth\_key": <auth\_key>  }  auth\_key (**string**) - all further API calls must have this key in header |
| 403 | {"error”: API key is missing."} |
| 401 | {"error”: Incorrect username or password."} |
| 500 | {"error”: Something went wrong. Please try again later."} |

## 3. Get all product Categories

Get the details of all product categories

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/product categories/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST | auth\_key  version | String  Number |

**auth\_key**

The auth\_key that was given in response to /api/login

**Version**

The current version of internal recipe database. Each time when updates are pulled from the server through the web service, the internal database version is incremented.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Ok** |
| 404 | {"error”: “no products are available."} |
| 401 | {"error”: “Invalid API key."} |
| 500 | {"error”: Something went wrong. Please try again later."} |

## 4. Get customer data

Get more information on a particular customer

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/customer/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD | auth\_key | string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Ok** |
| 404 | {"error”: “data not found."} |
| 500 | {"error”: Something went wrong. Please try again later."} |
|  |  |

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 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 |