EShoppingzone

Overview of project :

EshoppingZone is an ecommerce website, where users can buy items of their choice. Here users can create account. Items on this site will be displayed category wise .It also allows users to make payment through various modes;

This site consists of various types of products apparel, consumer electronics, fruits, gourmet food, groceries, health and personal-care items, etc.

User can browse through the products and gradually add them to his cart. When the user completes adding the necessary items then he clicks checkout which redirects him to the checkout page where the total of the products in the cart is displayed.

**SERVICES**

**1. User Service :**

1. **Sign up :** In this we provide a basic registration which include user details such as Name, Phone Number and other details
2. **Sign in :** In this we provide user few additional facilities such as update profile ,
3. **Sign Out:** User can logout from his profile.

User Service:

|  |  |
| --- | --- |
| **Method** | POST |
| **API** | /users |
| **Input** | { “Full Name”:”name”, “Email Id”:”[abc@gmail.com](mailto:abc@gmail.com)”, “Mobile No”:”987456321”, “Gender”:”M/F”, “Username”:”abc”, “Password”:”\*\*\*\*” } |
| **Return** | {account}  Message – success/fail |

|  |  |
| --- | --- |
| **Method** | GET |
| **API** | / users/{user-id} |
| **Input** | {“Username”:”abc”, “Password”:”\*\*\*\*” } |
| **Return** | {account}  Message – success/fail |

|  |  |
| --- | --- |
| **Method** | GET |
| **API** | / users |
| **Input** |  |
| **Return** | Message – success(logged out successfully) |

**2. Search** **Service**

1. **Search products by category :** Here the user can search the products by category, such as in electronics ,clothing ,furniture departments.
2. **Search products by name:** Here the user can search products by name

|  |  |
| --- | --- |
| **Method** | GET |
| **API** | /products/{category} |
| **Input** | {“Category”:”name” } |
| **Return** | {product}  Message – success/found |

|  |  |
| --- | --- |
| **Method** | GET |
| **API** | /products/{name} |
| **Input** | {“Product Name”:”name”} |
| **Return** | {product}  Message-success/found |

**3. Order History**

**Details of orders between two specified dates**

User can see all his last orders between two given dates.

|  |  |
| --- | --- |
| **Method** | [GET] |
| **API** | /orders/dates |
| **Input** | {”fromDate”:”2017-09-06”,”toDate”:”2017-09-12”} |
| **Return** | [  {order2:102,”productName”,” product cost”},  {order3:103,”productName”,” product cost”}  ]  Response Entity(Success message, HTTP status.OK)  Response Entity(Fail message, HTTP status.NOT\_FOUND)+-+ |

**Details of All orders**

User can see all his last orders between two given dates.

|  |  |
| --- | --- |
| **Method** | [GET] |
| **API** | /orders |
| **Input** |  |
| **Return** | [  {order1:101,”productName”,” product cost”},  {order2:102,”productName”,” product cost”},  {order3:103,”productName”,” product cost”},  {order3:104,”productName”,” product cost”}  ]  Response Entity(Success message, HTTP status.OK)  Response Entity(Fail message, HTTP status.NOT\_FOUND)+-+ |

**4. Cart Service:**

**Add**

This service adds the product to the cart.

|  |  |
| --- | --- |
| **Method** | [POST] |
| **API** | /add |
| **Input** | {“Customerid”:”cid”,“Productid”:”pid”,”Quantity”:”1”} |
| **Return** | {product}  ResponseEntity(Success message,HTTP Status Ok) |

**Update**

This service updates the quantity of the product which is present in the cart.

|  |  |
| --- | --- |
| **Method** | [PUT] |
| **API** | /update |
| **Input** | {“Customerid”:”cId”,“Productid”:”pid”,”Quantity”:”updated quantity”} |
| **Return** | ResponseEntity(Success message,HTTP Status Ok) |

**Remove**

This service completely removes the product from the cart.

|  |  |
| --- | --- |
| **Method** | [DELETE] |
| **API** | /remove |
| **Input** |  |
| **Return** | ResponseEntity(Success message,HTTP Status Ok) |

**Display**

This service fetches all the items present on the cart along with their quantities

|  |  |
| --- | --- |
| **Method** | [GET] |
| **API** | /display |
| **Input** |  |
| **Return** | {“item1”:quantity1”,”item2”:”quantity2”,……} |

**5. Transaction** **Service**

**Payment**:

After placing the order user will get the payment options either cash on delivery or using online payment details.

|  |  |
| --- | --- |
| **Method** | [POST] |
| **API** | /transactions |
| **Input** | {“Id”:”123654”, ”password”:”\*\*\*\*”} |
| **Return** | {details} |