**1. Accounts, Authentication and Authorization**

**1.1 Generate Auth Token (login)**

|  |
| --- |
| **POST /token/login** |
| **Example Request**  1 [  2 {  3 “username”: “employeeusertest”,  4 “password”: “@S3"X9CRqdS\A$pd”  5 }  6 ] |
| **Example Response**  1 [  2 {  3 “auth\_token”: "623097b73a7f01e8959ad3d7c123a179cdc11e3"  4 }  5 ] |

**1.2 Use Token to View User-Specific/Restricted Content**

|  |
| --- |
| **GET /*restrictedview* (Generic)** |
| **Example Request (Header)**  1 [  2 {  3 “Authorization”: "Token 623097b73a7f01e8959ad3d7c12..."  4 }  5 ] |

For GET or POST requests to **any** API with restricted access, the authorization token needs to be included in the HTTP **header** with the syntax above.

**1.3 Destroy Auth Token (logout)**

|  |
| --- |
| **POST /token/logout** |
| **Example Request**  1 [  2 {  3 “auth\_token”: "623097b73a7f01e8959ad3d7c123a179cdc11e3”  4 }  5 ] |

**1.4 Register Employee Account**

|  |
| --- |
| **POST /registeremployeeapi** |
| **Example Request**  1 [  2 {  3 “username”: “employeeusertest”,  4 “first\_name”: “John”  5 “last\_name”: “Doe”  6 “company”: “subscribercorp”  7 “employeeID”: “12345678”  8 “email”: john@subscribercorp.com”  9 “password”: “@S3"X9CRqdS\A$pd”  10 “confirmation”: “@S3"X9CRqdS\A$pd”  11 }  12 ] |
| **Example Response (Successful account creation)**  1 [  2 {  3 “error”: **false**,  4 “message”: "Account created. "  5 }  6 ] |
| **Example Response (Error Creating Account)**  1 [  2 {  3 “error”: **true**,  4 “message”: "Username already taken. "  5 }  6 ] |

**Arguments**

|  |  |
| --- | --- |
| **Key** | **Description** |
| Username | Type str: Username |
| first\_name | Type str: First name (given name) of user |
| last\_name | Type str: Last name (surname) of user |
| Company | Type str: Company name (to be validated as a subscriber) |
| employeeID | Type str: Unique employee ID. Used for future validation |
| email | Type str: Email address |
| password | Type str: Password |
| confirmation | Type str: Password confirmation |

**Response**

|  |  |
| --- | --- |
| **Key** | **Description** |
| error | Type bool: True if there is an error creating account, False if account is created successfully |
| message | Type str: Error Message if there is an error creating account, or success message if account is created successfully. This can be displayed to the user. |

Note: When there is a known error, the HTTP response will still be HTTP 200\_OK. This is to distinguish it from errors of technical origin.

**2. Online Store**

**2.1 Get List of Product Categories**

|  |
| --- |
| **GET /categoriesapi** |
| **Example Response** |

|  |  |
| --- | --- |
| **Key** | **Description** |
| id | Type int: SQL identifier for category |
| category | Type str: Category Name |

**2.2 Filter by Product Category**

|  |
| --- |
| **POST /storeapi** |
| **Example Request**  1 [  2 {  3 “category”: “loans”  4 }  5 ] |

**Arguments**

|  |  |
| --- | --- |
| **Key** | **Description** |
| category | Type str: Category name (case sensitive) |

**2.3 Get Active Item Listings to Display**

|  |
| --- |
| **GET /storeapi** |
| **Example Response** |

|  |  |
| --- | --- |
| **Key** | **Description** |
| id | Type int: SQL identifier for listing |
| title | Type str: Name of product (note: missing in example above) |
| description | Type str: Description of a particular listing |
| category | Type int: SQL identifier for category |
| posted\_by | Type int: SQL identifier for seller user account |
| provider | Type int: SQL identifier for seller’s company |
| numberPurchased | Type int: Number of times product/service was purchased |
| imageurl | Type str: URL for image in listing |
| date\_created | Type str: Datetime object for when listing was created |
| tags | Type str: Comma separated tags (requires parsing to array) |
| is\_active | Type bool: True if listing is still active, false otherwise |
| is\_product | Type bool: True if physical product, false for service (affects shipping) |

**3. User Cart**

**3.1 Display User Cart Contents**

|  |
| --- |
| **GET /cartapi** |
| **Example Response** |

|  |  |
| --- | --- |
| **Key** | **Description** |
| id | Type int: SQL identifier for listing |
| quantity | Type int: Quantity of product in cart |
| title | Type str: Name of product |
| imageurl | Type str: URL for image in listing |
| is\_active | Type bool: True if listing is still active, false otherwise |
| is\_product | Type bool: True if physical product, false for service (affects shipping) |

**3.2 Edit Quantity in Cart**

|  |
| --- |
| **POST /cartapi** |
| **Example Request (Body) – Auth Token Required in Header**  1 [  2 {  3 “itemID”: “2”,  4 “quantity”: 2”  5 }  6 ] |

|  |  |
| --- | --- |
| **Key** | **Description** |
| itemID | Type int: SQL identifier for product listing |
| quantity | Type int: Updated quantity of product in cart. Only 0 or positive integers allowed. Adding 0 removes item from the cart. |

|  |
| --- |
| **GET /viewbenefitsapi** |
| **Example Response** |

|  |  |
| --- | --- |
| **Key** | **Description** |
| id | Type int: SQL identifier for listing |
| title | Type str: Name of product |
| description | Type str: Description of a particular listing |
| provider | Type int: SQL identifier for seller’s company |
| imageurl | Type str: URL for image in listing |
| quantity | Type int: Quantity of product in cart |

|  |
| --- |
| **POST /redeemitemsapi** |
| **Example Request**  1 [  2 {  3 “redeemtype”: “all”,  4 “itemid”: “2”  5 }  6 ] |
| **Example Response (Successful account creation)**  1 [  2 {  3 “error”: **false**,  4 “message”: "Account created. "  5 }  6 ] |