# API Specification Doc

| **Version** | | | **Date** | | **Author** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| 1.0 | | | 13-07-2024 | | Abhishadas H | Initial draft |
|  |  | |  |  |
|  |  | |  |  |

**1. ADMIN**

**1.1 Admin Login**

**Description:** Admin can log in with a username and password.

| **Method** | **URL** |
| --- | --- |
| **POST** | /admin\_login |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| username | Admin username | String |
| password | Admin password | Password |

**Response:**

| **Status Code** | **Description** |
| --- | --- |
| 200 | “Successfully logged into admin panel” |
| 401 | { "error": "Username and password invalid" } |

**1.2 Admin Panel**

**Description:** Admin can view the data of the website.

| **Method** | **URL** |
| --- | --- |
| **GET** | /admin\_panel |

**Response:**

| **Status Code** | **Description** |
| --- | --- |
| 200 | ‘success’ |

**1.3 Manage Products**

**1.3.1 View Products**

**Description:** Admin can view all products.

| **Method** | **URL** |
| --- | --- |
| **GET** | /admin\_panel/products |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.3.2 Add Products**

**Description:** Admin can add products.

| **Method** | **URL** |
| --- | --- |
| **POST** | /admin\_panel/products/add\_product |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| category | Category of product | String |
| product\_name | Name of product | String |
| price | Price of product | Integer |
| quantity | Quantity of product | Integer |
| product\_image | Image of product | Image |

* **Response:**

| **Status Code** | **Description** |
| --- | --- |
| 200 | ‘success’ |

**1.3.3 Edit Products**

**Description:** Admin can edit products.

| **Method** | **URL** |
| --- | --- |
| **PUT** | /admin\_panel/products/edit\_product/{id} |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| category | Category of product | String |
| product\_name | Name of product | String |
| price | Price of product | Integer |
| quantity | Quantity of product | Integer |
| product\_image | Image of product | Image |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.3.4 Delete Products**

**Description:** Admin can delete products.

| **Method** | **URL** |
| --- | --- |
| **DELETE** | /admin\_panel/products/delete\_product/{id} |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |

**1.4 Manage Users**

**1.4.1 View Users**

**Description:** Admin can view user information.

| **Method** | **URL** |
| --- | --- |
| **GET** | /admin\_panel/user\_management |

**Response:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| name | Name of user | String |
| username | Username of user | String |
| address | Address of user | String |
| email | Email of user | String |
| phone\_no | Phone number of user | Integer |

**1.4.2 Edit Users**

**Description:** Admin can edit user details.

| **Method** | **URL** |
| --- | --- |
| **PUT** | /admin\_panel/user\_management/edit\_user/{id} |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| name | Name of user | String |
| username | Username of user | String |
| address | Address of user | String |
| email | Email of user | String |
| phone\_no | Phone number of user | Integer |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.4.3 Delete Users**

**Description:** Admin can delete users.

| **Method** | **URL** |
| --- | --- |
| **DELETE** | /admin\_panel/user\_management/delete\_user/{id} |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.5 Manage Orders**

**1.5.1 View Orders**

**Description:** Admin can view orders.

| **Method** | **URL** |
| --- | --- |
| **GET** | /admin\_panel/orders |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.5.2 Edit Orders**

**Description:** Admin can edit orders.

| **Method** | **URL** |
| --- | --- |
| **PUT** | /admin\_panel/orders/edit\_orders/{id} |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| username | Username of user | String |
| address | Address of user | String |
| product\_name | Name of product | String |
| category | Category of product | String |
| quantity | Quantity of product | Integer |
| price | Price of product | Integer |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | Success. Order updated |

**1.5.3 Delete Orders**

**Description:** Admin can delete orders.

| **Method** | **URL** |
| --- | --- |
| **DELETE** | /admin\_panel/orders/delete\_orders/{id} |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**1.6 Admin Logout**

**Description:** Admin can log out from the admin panel.

| **Method** | **URL** |
| --- | --- |
| **GET** | /admin\_logout |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2. USER**

**2.1 User Registration**

**Description:** Users can register with their details.

| **Method** | **URL** |
| --- | --- |
| **POST** | /user\_registration |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| name | Name of user | String |
| username | Username of user | String |
| address | Address of user | String |
| email | Email of user | String |
| phone\_no | Phone number of user | Integer |
| password | Password of user | String |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.2 User Login**

**Description:** Users can log in with their registered username and password.

| **Method** | **URL** |
| --- | --- |
| **POST** | /user\_signin |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| username | Username of user | String |
| password | Password of user | String |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.3 Add to Cart**

**Description:** Users can add products to their cart.

| **Method** | **URL** |
| --- | --- |
| **POST** | /add\_to\_cart |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| product\_id | ID of product | Integer |
| quantity | Quantity of product | Integer |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.4 View Cart**

**Description:** Users can view products in their cart.

| **Method** | **URL** |
| --- | --- |
| **GET** | /view\_cart |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.5 Checkout**

**2.5.1 Load Checkout Page**

**Description:** Users can load the checkout page.

| **Method** | **URL** |
| --- | --- |
| **GET** | /checkout |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.5.2 Submit Checkout**

**Description:** Users can submit their checkout details.

| **Method** | **URL** |
| --- | --- |
| **POST** | /checkout |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| name | Name of user | String |
| address | Address of user | String |
| email | Email of user | String |
| phone\_no | Phone number of user | Integer |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.6 User Dashboard**

**Description:** Users can view and edit their account details.

| **Method** | **URL** |
| --- | --- |
| **GET** | /user\_dashboard |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.6.1 Edit Account Details**

| **Method** | **URL** |
| --- | --- |
| **PUT** | /edit\_account |

**Request:**

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Description** | **Type** |
| name | Name of user | String |
| username | Username of user | String |
| address | Address of user | String |
| email | Email of user | String |
| phone\_no | Phone number of user | Integer |
| password | Password of user | String |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |

**2.7 User Logout**

**Description:** Users can log out from the website.

| **Method** | **URL** |
| --- | --- |
| **GET** | /user\_logout |

**Response:**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | ‘success’ |