Test Case Documentation

1. Test Cases for Postman API

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| **Test Case ID** | **Title** | **Description** | **Steps** | **Expected Outcome** | **Preconditions** |
| TC\_POST\_001 | Validate User Login API | Verify that the user can log in with valid credentials. | 1. Open Postman and create a new request. |  |  |
|  |  |  | 2. Set the method to POST and URL to /api/login. |  |  |
|  |  |  | 3. In the body, include valid username and password. |  | User account must exist. |
|  |  |  | 4. Send the request. | - HTTP Status 200  - Response includes a token and user details. |  |
| TC\_POST\_002 | **Retrieve User Data** | Verify data retrieval for a specific user. | 1. Create a GET request to /api/users/{userId}. |  |  |
|  |  |  | 2. Replace {userId} with a valid user ID. |  | User ID must exist. |
|  |  |  | 3. Send the request.. | - HTTP Status 200  - Response contains relevant search results. |  |
| TC\_POST\_003 | **Search Data API** | Verify the search functionality in the API. | 1. Create a GET request to /api/search?q={query}.. |  | Data should exist for the search term. |
|  |  |  | 2. Replace {query} with a valid search term. |  |  |
|  |  |  | 3. Send the request. | - HTTP Status 200  - Response contains relevant search results. |  |
| TC\_POST\_004 | **Filter Data by Parameters** | Verify filtering data by specific parameters. | 1. Create a GET request to /api/data?filter={parameter}. |  | Data must match the filter condition. |
|  |  |  | 2. Replace {parameter} with a valid filter condition. |  |  |
|  |  |  | 3. Send the request. | - HTTP Status 200  - Response contains filtered data. |  |
| TC\_POST\_005 | **Validate Performance Metrics** | Verify the performance metrics API endpoint. | 1. Create a GET request to /api/performance. |  | Performance data must be available. |
|  |  |  | 2. Send the request. | - HTTP Status 200  - Response includes valid performance metrics. |  |

2. **Cypress Test Cases**

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| Test Case ID | Test Title | Description | Steps | Expected Outcome | Preconditions |
| TC\_CYP\_001 | **User Login** | Verify user can log in using valid credentials. | 1. Navigate to the login page. |  |  |
|  |  |  | 2. Enter valid username and password.. |  | User account must exist. |
|  |  |  | 3. Click the login button. | - User is redirected to the dashboard.  - Welcome message is displayed. |  |
| TC\_CYP\_002 | **Search Functionality** | Verify the search functionality returns correct results. | 1. Navigate to the homepage. |  | Data should exist for the search term. |
|  |  |  | 2. Enter a valid search query. |  |  |
|  |  |  | 3. Press the search button. | - Relevant search results are displayed. |  |
| TC\_CYP\_003 | **Filter Items by Category** | Verify filtering items by category on the website. | 1. Navigate to the category page. |  |  |
|  |  |  | 2. Select a category from the filter options. |  | Items must exist in the selected category. |
|  |  |  | 3. Verify that the items displayed belong to the selected category. | Filtered items are displayed correctly. |  |
| TC\_CYP\_004 | **Add Item to Cart** | Verify adding an item to the shopping cart. | 1. Navigate to the product page. |  | Product must be available. |
|  |  |  | 2. Click on the 'Add to Cart' button. |  |  |
|  |  |  | 3. Verify that the item is added to the cart. | Item appears in the cart with correct details. |  |
| TC\_CYP\_005 | **Validate Live Scores** | Verify live scores update dynamically on the homepage. | 1. Navigate to the homepage. |  |  |
|  |  |  | 2. Observe the live scores section for updates. | Live scores update in real-time without page refresh. | Live game data must be available. |