**Requirement Specification Document**

**Project Name**: BStack Demo E-Commerce Application  
**Project URL**: [https://bstackdemo.com/#](https://bstackdemo.com/)  
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**Date**: 25-Aug-2023

**1. Objective**

To validate the functional behaviour of the BStack Demo website, a mock e-commerce application designed to simulate real-world user scenarios for testing purposes. This document outlines the expected behaviour of different login users and key UI functionalities.

**2. Scope**

This application includes:

* User login functionality with various user roles
* Display of product listings
* Navigation to Offers, Orders, and Favourites sections
* Sign-in/logout operations
* Error handling and validation

**3. Functional Requirements**

| **S. No** | **Requirement ID** | **Requirement Description** |
| --- | --- | --- |
| 1 | FR\_001 | The application shall allow login using predefined usernames and a common password (testingisfun99) |
| 2 | FR\_002 | The Home page shall display products upon successful login |
| 3 | FR\_003 | Users should be able to access Offers, Orders, and Favourites pages |
| 4 | FR\_004 | Application shall display different data views based on the username |
| 5 | FR\_005 | If locked\_user tries to log in, an error message: “Your account has been locked.” should appear |
| 6 | FR\_006 | The search functionality should be available on the home page |
| 7 | FR\_007 | The product details (images, names) should load properly for all users (except image\_not\_loading\_user) |
| 8 | FR\_008 | Each page (Offers, Orders, Favourites) shall show proper data or “data not found” based on user type |

**4. User Roles & Behaviour**

| **Username** | **Expected Behaviour After Login** |
| --- | --- |
| demouser | Home page products visible; Offers, Orders, Favourites: “Data not found” |
| image\_not\_loading\_user | Home page loads, but **product images are not visible** |
| existing\_orders\_user | Home page visible, **Order details available**, Offers & Favourites: “Data not found” |
| fav\_user | Home page visible, **Favourites visible**, Orders & Offers: “Data not found” |
| locked\_user | Displays error: **"Your account has been locked."** |

**5. UI/UX Requirements**

* Header must include:
  + Logo (BrowserStack DEMO)
  + Offers, Orders, Favourites links
  + Search bar
  + Sign In link
* Footer is optional or not defined.
* Search functionality should respond to input with real-time suggestions or filtering.

**6. Non-Functional Requirements**

| **S. No** | **Requirement Description** |
| --- | --- |
| 1 | The system should be available 24/7 for testing |
| 2 | All UI elements must be responsive across common desktop resolutions |
| 3 | Login response time should be < 2 seconds |
| 4 | Images and product lists must be optimized to load in < 3 seconds (except for image\_not\_loading\_user) |

**7. Assumptions**

* No actual checkout/payment functionality is implemented.
* This application is strictly for testing and demo purposes.

**8. Glossary**

| **Term** | **Description** |
| --- | --- |
| UI | User Interface |
| UX | User Experience |
| DEMO | Mock/testing version only |
| Data not found | A placeholder message for unavailable data |
| 24/7 | 24 hours a day, 7 days a week |