

# Testing Project for SHEIN's Account Module

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## Revision History

Date	Version	Description	Author	Reviewer	Approver
07.03	0.1	Test plan was created.	M. Alexandra		

## 1 INTRODUCTION

Shein, a leading online fashion retailer offering trendy clothing, accessories, and lifestyle products. This document outlines the comprehensive testing strategy to ensure the functionality, security, and usability of your account on Shein's platform.

As an esteemed user of Shein, your account serves as a gateway to an immersive shopping experience, enabling you to explore and purchase from a vast array of fashion-forward items. Ensuring the reliability and efficiency of your account's features is paramount to Shein's commitment to customer satisfaction.

## 2 OBJECTIVES

The primary objective of testing the Account Module on Shein is to ensure that it functions seamlessly, reliably, and securely, thereby providing users with a positive and efficient experience.

## 3 SCOPE

### 3.1 Functionalities in scope

- **Account Registration** (registration process for new users, functionality of email verification for account activation.)
- **Login and Authentication** (user login functionality with valid and invalid credentials)
- **Profile Management** (a bility to update and edit user profiles)
- **Password Management** (the process of changing passwords and password recovery functionality)
- **Address Book Management** (the ability to add, edit, and delete shipping addresses in the user's address book)
- **Integration with Other Modules** (integration with other modules such as the shopping cart, checkout process, and order management system)
- **Error Handling and Validation**

### 3.2 Functionalities and tests out of scope

- Testing functionalities specific to Shein's mobile applications, including iOS and Android platforms.
- Testing functionalities related to backend systems such as databases, APIs
- Performance testing of external services or dependencies used by the Account Module but not directly controlled by Shein
- Testing network infrastructure, including network latency, bandwidth, or routing configurations.

#### 4 ROLES AND RESPONSABILITIES

Role	Staff Member	Responsabilities
<b>Project Manager-</b> Dobre Andreea		1. Acts as a primary contact for development and QAteam. 2. Responsible for Project schedule and the overall success of the project.
<b>QA Lead-</b> Alexandrescu Matei		1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM
<b>Software Developer-</b> Baciu Andrei		1. Develop, test, and perform different software programs. 2. Communicate with management and professional support partners. 3. Communicate efficiently and professionally in all kinds of communication with internal and external clients. 4. Maintain modern knowledge of technological developments in the industry. 5. Write and perform productive code. keep and update existing rules. 6. Work closely with other developers.
<b>QA Tester-</b> Mihaila Alexandra		1. Understand requirements 2. Writing and executing Test cases 3. Preparing RTM 4. Reviewing Test cases, RTM 5. Defect reporting and tracking 6. Retesting and regression testing 7. Bug Review meeting 8. Preparation of Test Data 9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling.

#### ENTRY AND EXIT CRITERIA

##### 5.1 Entry Criteria

- Availability of test data including sample user accounts for testing various scenarios.

- Clear understanding of user roles and permissions within the account module.
- Test environment setup and configuration completed, including any necessary test data preparation or configuration.
- Availability of test resources, including testers, testing tools, and documentation necessary for conducting tests effectively.

## 5.2 Exit Criteria

- All functional requirements outlined in the specification document have been thoroughly tested and validated.
- All critical and high-priority defects identified during testing have been resolved, and their fixes have been verified through retesting.
- The Account Module demonstrates stability and reliability under various load conditions and usage scenarios, with no significant performance degradation or system crashes.
- No high priority or severe bugs are left outstanding.
- All high-risk areas have been fully tested, with only minor residual risks left outstanding.

## 6 TEST STRATEGY

### Unit Testing:

At this level, individual components of the "My Account" feature are tested in isolation.  
It ensures that each unit (such as login, profile management, order history) functions correctly as per the specifications.  
Test cases are written to verify the behavior of individual functions or methods.

### Integration Testing:

Integration testing verifies the interaction between different modules or components within the "My Account" feature.  
It ensures that the integration points function correctly and data flows smoothly between different parts of the feature .  
Tests are conducted to validate communication between components such as user authentication, profile updates, and order management.

### System Testing:

System testing focuses on testing the entire "My Account" system as a whole.  
It checks the end-to-end functionality of the feature, including both front-end and back-end components.  
Tests are designed to validate user workflows, data integrity, error handling, and system behavior under different conditions.

### User Acceptance Testing (UAT):

UAT involves real users testing the "My Account" feature to ensure it meets their requirements and expectations.  
Users perform typical tasks such as registering, updating profiles, viewing order history, and managing preferences.  
Feedback from users is collected and used to make necessary improvements before the feature is released.

#### Performance Testing:

- Performance testing evaluates the responsiveness and scalability of the "My Account" feature.
- It measures the system's performance under various load conditions to ensure it can handle concurrent user interactions.
- Tests include load testing, stress testing, and scalability testing to identify performance bottlenecks and optimize system resources.

#### Security Testing:

Security testing assesses the security controls implemented in the "My Account" feature to protect user data and prevent unauthorized access. It identifies vulnerabilities such as SQL injection, cross-site scripting (XSS), and authentication flaws. Tests are conducted to validate encryption mechanisms, secure session management, and access controls.

#### Compatibility Testing:

Compatibility testing ensures that the "My Account" feature works correctly across different browsers, devices, and operating systems. It verifies that users can access and use their accounts seamlessly regardless of the platform they are using. Tests cover a wide range of configurations to ensure broad compatibility.

## 7 RESOURCE AND ENVIRONMENT NEEDS

### 7.1 Test environment

Browsers: Google Chrome, Mozilla Firefox, Microsoft Edge, Apple Safari, Internet Explorer (IE) ,Opera, Brave

Testing tools :Jira,Excel/Google Sheets,PDF ,Confluence,Slack/Microsoft Teams.

## 8 RISKS

- **Data Integrity Issues:** Risks related to data integrity, including data corruption or loss, may occur during account management operations such as profile updates or password changes.
- **Security Vulnerabilities:** There is a risk of security vulnerabilities such as data breaches, or unauthorized access to user information due to inadequate security measures or implementation flaws.
- **Third-Party Dependencies:** Risks associated with third-party dependencies, such as service outages or changes to APIs, may disrupt functionality or integration with external services used by the Account Module.
- **Data Privacy Concerns:** Risks associated with data privacy concerns, including unauthorized access to sensitive user information or misuse of personal data, may undermine user trust and loyalty to the platform.

## 9 TEST SCHEDULE

<b>Task Name</b>	<b>Start</b>	<b>Finish</b>
Test Planning	<b>12.03</b>	
Review Requirements documents	<b>12.03</b>	
Create test basis	<b>14.03</b>	
Staff and train new test resources	-	-
First deploy to QA test environment	<b>17.03</b>	<b>17.03</b>
Functional testing – Iteration 1	<b>19.03</b>	<b>21.03</b>
Iteration 2 deploy to QA test environment	<b>21.03</b>	<b>24.03</b>
Functional testing – Iteration 2		
System testing		
Regression testing		
UAT		
Resolution of final defects and final build testing		
Performance testing		
Release to Production		

## 10 APPROVALS

**Andreea Dobre - Project Manager**

**Alexandrescu Matei – QA Lead**

**Andreea – Business Analyst**