

Project: University Bazaar System (UBS)

Team No.: 5

Class: CSE 3310; Spring 2021

Module: Test Plan

Deliverable: Test Plan Document

Version: [1.0]

Date: [04/22/2021]

Team members are:

Benjamin Barani

Mahdy Joudeh

Sunil Pandey

Nishan Pathak

Revision History

| <i>Version number</i> | <i>Date</i> | <i>Originator</i> | <i>Reason for change</i> | <i>High level description of changes</i> |
|-----------------------|-------------|-------------------|--------------------------|------------------------------------------|
| 1.0 | 04/22/2021 | Team 5 | Initial draft | |
| | | | | |
| | | | | |
| | | | | |

TABLE OF CONTENTS

| | |
|--------------------------------------------------------|-----------|
| 1. INTRODUCTION AND PLAN OF APPROACH..... | 3 |
| 2. TEST CASES: “LOGIN” | 4 |
| 3. TEST CASES: “REGISTRATION” | 5 |
| 4. TEST CASES: “SEARCH” | 6 |
| 5. TEST CASES: “FORM CLUB” | 7 |
| 6. TEST CASES: “MARKETPLACE AND PAYMENTS” | 8 |
| 7. TEST CASES: “MESSAGING” | 10 |
| 8. TEST CASES: “ACCOUNT” | 11 |
| 9. TEST CASES: “BAZAAR WALL” | 12 |

1. Introduction and Plan of Approach

University Bazaar System (UBS) is an android application that aims to help university students exchange information, form clubs, and buy/sell/trade goods.

Components covered in this test plan:

- Login: Members must login to use the system after initial registration.
- Registration: Students must register before they can use the system. University ID can be used as member Id.
- Search: You should be able to search for events, items or clubs.
- Form Club: System should allow members to form clubs.
- Marketplace and Payments: System should allow for buy/sell/lend/exchange of merchandise and should be able to handle payments of said merchandise.
- Messaging: System should allow for sending messages to a single, subgroup or all members.
- Account: You should be able to edit your account information
- Bazaar Wall: Exchange information about any topic, of course appropriate and within legal boundaries of a university setting such as: job postings, company hiring, class information, tutoring service, attending graduate programs, conference information, job fairs, subleasing apartments, sharing rides, etc.

2. Test Cases: “Login”

Project Name: UBS
Test Case Name: Login
Test Case Id: CSE3310/Spring 2021/Team5/Login

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| TC1 | Tab into the User and password fields and enter a valid user id/password (a test id should be created and provided to testers) | System should let you in and you should arrive at the Bazaar Wall landing page | |
| TC2 | Tab into the User and password fields and enter an invalid user id/password | System should not accept and prevent you from entry | |
| TC3 | Enter a valid User Id and press “forgot password”. | System should ask for an ID number to receive a password. | |
| TC4 | Enter an invalid User Id and press “forgot password”. | System should prompt you with a user ID question and output an error message saying, “invalid Username”. | |
| TC5 | Tab into the User and password fields and enter a blank username and password | System should not let you in and prompt you with “No username/password inputted” message | |
| TC6 | Click on “New User” | System should take user to the registration screen | |

3. Test Cases: “Registration”

Project Name: UBS
Test Case Name: Registration
Test Case Id: CSE3310/Spring 2021/Team5/Registration

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|----------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| TC1 | Tab in to the enter valid email, password, confirmation password, and student ID fields | System should create an account for user, and print a message saying, “Account Made” and take the user to the home screen | |
| TC2 | Tab in to the enter invalid email, password, confirmation password, and student ID fields | System will print an error message saying “invalid input, please try again” | |
| TC3 | Tab into ID field to enter less/more than 10 digits | System should let user print an error message saying “Invalid ID” | |
| TC4 | Enter an invalid confirmation password | System should tell the user that confirmation password do not match, with error message “Please match confirmation password” | |
| TC5 | Click “Back” button | System should take the user back to the login screen | |

4. Test Cases: “Search”

Project Name: UBS
Test Case Name: Search
Test Case Id: CSE3310/Spring 2021/Team5/Search

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| TC1 | User clicks the search bar | A text entry is initiated, and a keyboard appears that allows the user to enter text | |
| TC2 | User enters valid text into the search bar (the text can be alphanumeric and/or contain any special symbols) | Text entered appears in the textbox/search bar | |
| TC3 | User enters valid text into the search bar (the text can be alphanumeric and/or contain any special symbols) AND clicks the ‘ENTER’ button | The user is taken to a new screen displaying queries for their given input | |
| TC4 | User does not enter any text into the search bar AND presses the ‘ENTER’ button | The system should do nothing | |
| TC5 | After entering a valid search entry AND pressing the ‘ENTER’ button AND arriving to the search results screen, press the back arrow at the top left corner | The system should return to the “Bazaar Wall” landing page | |
| TC6 | After entering a valid search entry AND pressing the ‘ENTER’ button AND arriving to the search results screen AND a matching query was found in the database, press the title of the query | The user is taken to the respective queries page (i.e., if it is an event, they are taken to the event post; if it is a club, they are taken to the club page; if it is a marketplace listing, they are taken to the marketplace listings post) | |

5. Test Cases: “Form Club”

Project Name: UBS
Test Case Name: Form Club
Test Case Id: CSE3310/Spring 2021/Team5/Form_Club

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|---------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| TC1 | Click the Club option in navigation bar. | The user will be redirected to the club home page, and the user can manage the club | |
| TC2 | Click the 'Create new club' option on the club home page | The user will be redirected to the club creation page and can create a club here | |
| TC3 | Click the 'Join' option on the club home page | The user will be redirected to the club search page and can join a club here | |
| TC4 | Click the ‘My clubs’ button on the club home page | If the user has created any club, or has joined any club then it will show up in here | |
| TC5 | Click the ‘Exit’ button to exit joined club on the club home page | If the user is the creator of the club, he cannot see the option. If the user is not the creator, he will exit the club which he joined | |
| TC6 | Enter a unique club name and club description, then click the ‘Create Club Now’ option on club creation page | The system saves the club which user created | |
| TC7 | Click ‘Join’ button on club search page | If the user is the creator of the club or has joined, the system will warn that he cannot join. If the user is not the creator of the club or has joined, the system will let him join the club. | |
| TC8 | Click a message icon in the bottom right side of the club page. | It will redirect the user to the messaging where user can message with member | |

6. Test Cases: “Marketplace and Payments”

Project Name: UBS
Test Case Name: Marketplace and Payments
Test Case Id: CSE3310/Spring 2021/Team5/ Marketplace_Payments

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|---------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| TC1 | Click to ‘Marketplace’ located on Navigation bar at bottom | The user should land on new page with three button option add post, send money and request money | |
| TC2 | Click to ‘Add Post’ which on Marketplace page | The user should get the new page where the user can post an item for sell along with description, images and price. | |
| TC3 | User enters correct username after entering the description of new item | The system will post the item for sale. | |
| TC4 | User enters incorrect username while entering information for sale | The system will show that the username does not exist. | |
| TC5 | User press the search icon located on Marketplace page | The system should allow to enter keywords to search the item | |
| TC6 | Click on ‘Send Money’ on Marketplace page | User enter the new page asking for information in order to send money | |
| TC7 | User Enter the incorrect receiver’s username or Credit Card details | The system will notify the user that the user is entering the incorrect username or credit card respectively. | |
| TC8 | Click on the ‘Request Money’ on the ‘Marketplace’ page | User enters the new page asking for information about the sender's username and amount. | |
| TC9 | User Enter the correct username of sender and correct amount. | The system will display the confirmation page on the sender’s app. | |
| TC10 | Enter the back arrow button from | The system will take back the user to the Bazaar Wall page. | |

| | | | |
|------|----------------------------------------------------|------------------------------------------------------------------------------------------|--|
| | 'Marketplace' page | | |
| TC11 | Click on the 'Message' on the listed item for sale | The system will allow the user to send the message to the other user who listed the item | |

7. Test Cases: “Messaging”

Project Name: UBS
Test Case Name: Messaging
Test Case Id: CSE3310/Spring 2021/Team5/Messaging

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|----------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| TC1 | Tab in the text box to type message and click the send button | Message should show up on the right side of the screen | |
| TC2 | Receive message from another user | Message should show on the left side of the screen | |
| TC3 | Tab in the text box and send an empty message | System should output an error message saying “Need at least one character” | |
| TC4 | Tab in the text box and type more than 140 characters | System should output and error message saying “you have exceeded the maximum number of 140 characters” | |
| TC5 | Click ‘Back’ button | Should take the user back to the previous screen | |

8. Test Cases: “Account”

Project Name: UBS
Test Case Name: Account
Test Case Id: CSE3310/Spring 2021/Team5/Account

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|---------------|---------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|
| TC1 | Tab into the profile button in the homepage | System should let you into your profile page | |
| TC2 | Tab into the edit profile | System should let you edit your name, phone number, and major | |
| TC3 | Tab into the update button | System should change your profile information that were edited | |
| TC4 | Tab into the cancel | System should take you back into the profile page | |
| TC5 | Tab into the profile picture button | System should let you change your profile picture | |
| TC6 | Tab into the sign off button | System should take you to the login page by closing off your account | |

9. Test Cases: “Bazaar Wall”

Project Name: UBS
Test Case Name: Bazaar Wall
Test Case Id: CSE3310/Spring 2021/Team5/Bazaar_Wall

| Test Case No. | Test Case Description | Expected results | Outcome Pass, Fail, Other (comments) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| TC1 | Press the ‘New Event’ button | System presents user with a post new event form | |
| TC2 | Press the ‘Home’ button | Nothing/User stays where they are (user is already on the home page so nothing should happen) | |
| TC3 | Press the ‘Messaging’ button | System takes user to the messaging page | |
| TC4 | Press the ‘Marketplace’ button | System takes user to the marketplace page | |
| TC5 | Press the ‘Account’ button | System presents user with account page | |
| TC5 | Press the title of an event post / feed item | System takes user to the feed item | |
| TC6 | Press the ‘New Event’ button and fill out the ‘Title’ and ‘Description’ textboxes with valid text (alphanumeric and containing any special characters, less than 50 characters for the Title, and 140 characters for the description), then press ‘Post’ | The user should be returned to the Bazaar Wall landing page and their post should be at the top of the Bazaar Wall, right below the search bar | |
| TC7 | Press the ‘New Event’ button and fill out the ‘Title’ and ‘Description’ textboxes with invalid text (create a title with more than 50 characters and/or a description with more than 140 characters), then press ‘Post’ | The user should stay on the ‘New Event’ page and be prompted with an Error message saying, “Error: Title and/or Description too long.” | |
| TC8 | After successfully posting 6 event postings on the Bazaar Wall, make | The page should scroll, and the user should be able to | |

| | | | |
|--|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|
| | <p>sure you are on the Bazaar Wall and scroll down to the last post (the first one posted) and click the title to view it</p> | <p>see the last/bottom post. Once clicked the user should be taken to that post and be able to view the title and description</p> | |
|--|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|