



Florida Institute of Technology

Software Testing

Professor Khaled Slhoub

Subtrack

Yusef Alhedr, Abdulwahab Alnemer



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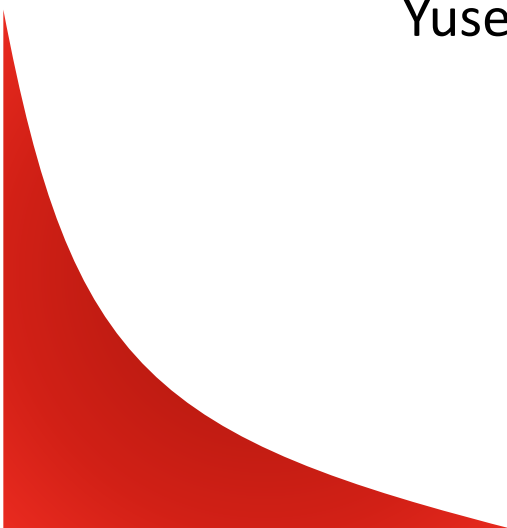


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Sign Up Screen Testing:

Objectives:

- Test user registration with valid data and ensure successful creation of new accounts.
- Verify error handling for invalid or duplicate email addresses.
- Ensure all required fields are validated during registration.
- Validate that clicking on "Sign In" navigates to the sign-in screen after successful registration.

Inputs:

- Keyboard inputs for text fields
- Button clicks
- Screens Icon clicks

Outputs:

- Registration successfully if input data are correct
- Displaying error for invalid or duplicate email addresses
- Redirect to Sign In screen after successful registration
- Navigate to Sign in Screen

Sign In Screen Testing:

Objectives:

- Verify that users can sign in successfully with valid credentials.
- Test for error handling when incorrect credentials are provided.
- Ensure redirection to the home screen upon successful sign-in.
- Validate that clicking on "Sign Up" navigates to the sign-up screen.

Inputs:

- Keyboard inputs for text fields
- Button clicks

Outputs:

- Login In successfully if input data are correct
- Displaying error for invalid credentials
- Redirected to Home screen after successful sign-in
- Navigate to Sign Up Screen

Add Subscription Screen Testing:

Objectives:

- Test the addition of subscriptions with valid data.
- Verify redirection to the home screen after confirming the subscription.
- Ensure accurate handling of data and program logic flow within the add subscription screen.

Inputs:

- Keyboard inputs for text fields
- Button clicks
- Screens Icons clicks
- Dropdown selections

Outputs:

- Subscription added successfully if input data are correct
- Displaying error for invalid inputs
- Redirected to Home screen after adding subscription successfully
- Redirected to Home screen if Canceled
- Navigate to Home Screen
- Navigate to Wallet Screen
- Navigate to Profile Screen
- Navigate to Notifications Screen
- Navigate to Settings Screen

Home Screen Testing:

Objectives:

- Test subscription display functionality.
- Verify the ability to delete subscriptions from the home screen.
- Test the search functionality for subscriptions.
- Validate the display of current month spending.
- Ensure accurate data and program logic flow segmentation.

Inputs:

- Keyboard inputs for search field
- Button clicks
- Delete Subscription click
- Screens Icons clicks

Outputs:

- Added Subscriptions display successfully with their related logo

- Added Subscriptions display a common logo for subscriptions that are not in the database
- Searched Subscriptions display successfully if input data are correct
- Searched Subscriptions do not display if inputs are incorrect
- Monthly Spending display correctly after paying for subscriptions
- Subscription is deleted
- Redirected to Add Subscription Screen when clicked on Add subscription icon
- Navigate to Wallet Screen
- Navigate to Profile Screen
- Navigate to Notifications Screen
- Navigate to Settings Screen

Wallet Screen Testing:

Objectives:

- Verify that subscriptions are displayed accurately in the wallet screen.
- Test subscription deletion functionality.
- Validate the filtering of subscriptions by category.
- Test the display of current year spending.
- Ensure accurate data and program logic flow segmentation.

Inputs:

- Dropdown selections for categories
- Button clicks
- Delete Subscription click
- Screens Icons clicks

Outputs:

- Added Subscriptions display successfully with their related logo
- Added Subscriptions display a common logo for subscriptions that are not in the database
- Filtered Subscriptions display accordingly to chosen category
- Yearly Spending display correctly after paying for subscriptions
- Subscription is deleted
- Navigate to Home Screen
- Navigate to Profile Screen
- Navigate to Notifications Screen
- Navigate to Settings Screen

Profile Screen Testing:

Objectives:

- Test the functionality of updating profile information.
- Verify cancellation redirection to the home screen.
- Ensure accurate handling of data flow within the profile screen.

Inputs:

- Keyboard inputs for text fields
- Cancel click
- Confirm click
- Screens Icons clicks

Outputs:

- New profile information is updated in profile screen
- New profile information is updated in database
- Redirected to Home Screen when clicked on “Cancel”
- Navigate to Home Screen
- Navigate to Wallet Screen
- Navigate to Notifications Screen
- Navigate to Settings Screen

Notifications Screen Testing:

Objectives:

- Test the display of notifications for subscriptions.
- Verify the ability to delete notifications.
- Ensure accurate handling of program logic flow for notifications.

Inputs:

- Notification Delete click
- Screens Icons clicks

Outputs:

- Notifications are displayed
- Notification is deleted
- Navigate to Home Screen
- Navigate to Wallet Screen
- Navigate to Profile Screen
- Navigate to Settings Screen

Settings Screen Testing:

Objectives:

- Test the functionality of signing out.
- Verify redirection to the sign-in screen after signing out.
- Ensure accurate handling of program logic flow for signing out.

Inputs:

- Sign Out click
- Screens Icons clicks

Outputs:

- Logging Out successfully
- Redirected to Sign in Screen
- Navigate to Home Screen
- Navigate to Wallet Screen
- Navigate to Profile Screen
- Navigate to Notifications Screen

Boundary Condition Testing:

Objectives:

- Identify boundary conditions for inputs such as subscription due date.
- Test functionalities with inputs at or near these boundary conditions.

Note: Nothing can be tested for boundary condition except for due dates, which can be tested for every input except for above maximum.

Inputs:

- Test maximum
- Test minimum
- Test below minimum
- Test within range

Outputs:

- Subscription due date selected successfully for maximum inputs
- Subscription due date selected successfully for minimum inputs
- Error for selecting due date before current date
- Subscription due date selected successfully for within range inputs

Test Case Definition and Summary:

1- Sign Up:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Valid Inputs	Registered Successfully	Pass	
Invalid Inputs	Displaying Error	Pass	
Successful Registration	Redirected to Sign in Screen	Pass	
Arrow icon click	Navigate to Sign in Screen	Pass	

2- Sign In:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Valid Inputs	Logged in Successfully	Pass	
Invalid Inputs	Displaying Error	Pass	
Successful Loggin in	Redirected to Home Screen	Pass	
Sign Up icon click	Navigation to Sign up Screen	Pass	

3- Add Subscription:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Valid Inputs	Subscription added	Pass	
Invalid Inputs	Displaying Error	Pass	
Subscription added	Redirected to Home Screen	Pass	
Select maximum due date	Selected successfully	Pass	
Select minimum due date	Selected successfully	Pass	
Select below minimum due date	Display error	Pass	
Select within range due date	Selected successfully	Pass	
Subscription canceled	Redirected to Home Screen	Pass	
Navigation Icons	Navigate to selected screens	Pass	

4- Home:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Subscription added	Display subscription with its related logo	Pass	
Subscription added but not in database	Display subscription with a common logo	Pass	
Valid Inputs for search	Display searched subscription	Pass	
Invalid Inputs for search	Displaying nothing	Pass	
Paid for subscription	Display monthly spending	Pass	
Delete subscription	Subscription is deleted	Pass	
Add subscription clicked	Redirected to Add Subscription screen	Pass	
Navigation Icons	Navigate to selected screens	Pass	

5- Wallet:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Subscription added	Display subscription with its related logo	Pass	
Subscription added but not in database	Display subscription with a common logo	Pass	
Select category	Display selected category subscriptions	Pass	
Paid for subscription	Display yearly spending	Pass	
Delete subscription	Subscription is deleted	Pass	
Navigation Icons	Navigate to selected screens	Pass	

6- Profile:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Update profile information	Profile information updated successfully in profile screen and database	Pass	
Update canceled	Redirected to Home Screen	Pass	
Navigation Icons	Navigate to selected screens	Pass	

7- Notifications:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Subscription added or is due	Notifications are displayed	Pass	
Delete notification	Notification is deleted	Pass	
Navigation Icons	Navigate to selected screens	Pass	

8- Settings:

Test Case	Expected/Actual Result	Pass/Fail	Comments
Sign out	Logged out and redirected to Sign in screen	Pass	
Navigation Icons	Navigate to selected screens	Pass	