Budget - Application's Structure

Header Section

- Verify that the application has a menu on the header with two buttons
    - o Verify that the menu has the button "Budget"
    - o Verify that the menu has the button "Reports"
- Verify that the button "Budget" is selected by default when loading the app

Items Table Display

- Verify that the items table exists
    - o Verify that the table has three columns: Category, Description and Amount
- Verify the items registered contain the Category, Description and Amount
- Verify that the table has the following items on the bottom:
    - o Category dropdown menu
    - o Description text field
    - o Amount text field
    - o "Add" submit button
- Verify that the Add button remains disabled until a valid number is added
    - o Enter a non-numeric value
        - ▪ The Add button remains disabled
    - o Enter a valid numeric value
        - ▪ The add button will be enabled

Footer Display

- Total Inflow, Total Outflow and Working Balance will be displayed
    - o Total Inflow will be a positive number
    - o Total Outflow will be a negative number

o   Working Balance will be either a positive or a negative number, depending on the result of the operation

Registering Items

Registering Entries

- Clicking on the Category menu, opens the list of items
    - o   Select one of the items on the list
- Enter some text on the Description text field
- Enter a random number on the Amount text field
- Click on the "Add" button
- Verify that the new entry has been posted to the table
    - o   Verify that the right category is displayed
    - o   Verify that the right description is displayed
    - o   Verify that the right amount is displayed
- Attempt to register an entry with no description or amount
    - o   The entry will not be registered
- Attempt to register an entry with no description, and a random amount
    - o   You will be able to register this entry
    - o   The correct Category will be displayed
    - o   No description will be displayed
    - o   The correct amount will be displayed
- Attempt to register an entry with a description but without an amount
    - o   You will not be able to register this entry

Register income

- Verify the total inflow amount
- Select Income from the dropdown list
- Enter a description
- Enter a value of 100

- Click on Add
- Verify that the total inflow amount has increased by 100

Registering An Item With High Amounts

- Select a random category (other than the Income one)
- Enter a random description
- Enter a number of at least 16 digits
- Click on Add
- Verify that the new entry has been added successfully
- Register a new entry, but now enter a number of at least 17 digits
- Verify that the new entry has been added successfully

Bottom Table Functionality

- Register a new income
  - Verify that the Total Inflow has increased accordingly
- Register a new outcome
  - Verify that the Total Outflow value has decreased accordingly
- Register a new income
  - Verify that the Working Balance has changed accordingly
- Register a new outcome
  - Verify that the Working Balance has changed accordingly

Registering Items Sending Unexpected Inputs

- Register an item entering html code on the description
  - Select a random category
  - Enter a random text including HTML code, example: <script>alert(1)</script>
  - Enter a random amount
  - Click on Add
  - Verify that the new entry is displayed correctly
  - Verify that the new entry has not triggered an alert
- Register an item entering non-numeric characters

- o Select a random category
- o Enter a random text on the description text field
- o Enter a string on the Amount text field
- o Click on Add
- o Verify that the new entry has not been registered
- o Verify that the Add button remains disabled

Reports – Application's Structure

Header Section

- - Verify that clicking on the button Reports opens the Reports section
  - o Verify that the button Reports is now selected
- - Verify that clicking on the button Budget opens the Budget section
  - o Verify that the button Reports is now selected
- - Verify that there are two different tabs
  - o Verify that the tab Inflow vs Outflow exists
  - o Verify that the tab Spending by Category exists
  - o Verify that the tab Inflow vs Outflow is the active one by default
- - Verify that clicking on the tab Spending by Category opens the Spending by Category tab
- - Verify that clicking on Inflow vs Outflow goes back to the Inflow vs Outflow tab

Inflow vs Outflow

- - Verify that the Inflow graphic exists
  - o Verify that the total inflow amount is displayed below the Inflow graphic name
- - Verify that the Outflow graphic exists
  - o Verify that the total outflow amount is displayed below the outflow graphic name
- - Verify that the Outflow categories are displayed

   o Verify that each outflow category displays its own amount
- Verify that the total of all the outflow categories is the same amount displayed on the outflow graphic

Spending by Category

- Verify that the outflow categories are displayed on the table
  o Verify that each one of them contains the spent amount

New Entries Display

- Go to the Budget section
- Register a new expense
  o Select a category
  o Enter a random description
  o Enter an amount
  o Click on Add
- Go to the Reports section
- Verify that the new entry's category is displayed
- Verify that the new entry's amount is displayed right after the category name
- Verify that the Outflow amount has changed accordingly
- Go to the Spending by Category tab
- Verify that the new entry's category is displayed
- Verify that the new entry's amount is displayed right after the category name

New Income

- Go to the Budget section
- Register a new income
  o Select Income from the categories list
  o Enter a random description
  o Enter an amount
  o Click on Add
- Go to the Reports section

- Verify that the Inflow amount has changed