Week 4 Deliverable

P33 Project

**Functional Testing:**

| **Frame** | **Function** | **Expected Behavior** |
| --- | --- | --- |
| **Dashboard** | Dashboard button | Reloads dashboard |
| Data input button | Brings to data input page |
| Summary button | Brings summary page |
| Insights button | Brings insights page |
| Search bar | Lookup expense |
| Message button | Pull up contacts menu |
| Settings button | Pulls up settings menu |
| Notifications button | Pulls up notifications |
| Avatar icon | Opens up settings menu |
| **Cash Flow** | Submit button | Inserts data into database |
| Clear button | Clears all user input |
| **Expenses** | Submit button | Inserts data into database |
| Clear button | Clears all user input |
| **Goals** | Submit button | Inserts data into database |
| Clear button | Clears all user input |
| **Summary Pages** | Weekly/monthly/quarterly/yearly buttons.  Percentage and cash button | Shows data for the selected time period and change between cash and % for pie chart |
| **Insights Pages** |  |  |
| **Global** | Logo top left | Brings you to home page |
| **Global** | Logout | Logs user out, and redirects them to landing page |
| **Income vs Expenses** | Graphs and curves | Wrongly plotted data points |
| **Breakdown** | Pie Chart and lists | Incorrect listing |
| **Comparison** | Calendars | Data loss |

**Unit Testing:**

| **Unit** | **Case** | **Expected behavior** |
| --- | --- | --- |
| **Cash Flow** | Income type left blank | Throw error “Income type cannot be blank” |
| Amount is negative | Throw error “Amount cannot be negative” |
| Amount left blank or 0 | Throw error “Amount cannot be blank or 0” |
| Date left blank | Throw error “Date cannot be blank” |
| More than 3 decimal places | Throw error “Amount cannot have 3 decimal” |
| Amount has a Letter or special character | Throw error “Letters are not Accepted” |
| Date is in the Future | Throw error “Date cannot be in the future” |
| **Expenses** | Category left blank | Throw error “Category cannot be blank” |
| Amount is negative | Throw error “Amount cannot be negative” |
| Amount left blank | Throw error “Amount cannot be blank” |
| Amount has a Letter or special character | Throw error “Letters are not Accepted” |
| More than 3 decimal places | Throw error “Amount cannot have 3 decimal” |
| Date left blank | Throw error “Date cannot be blank” |
| Date is in the Future | Throw error “Date cannot be in the future” |
| **Goals** | Saving for left blank | Throw error “Saving for cannot be blank” |
| Goals as of left blank | Throw error “Goals as of cannot be blank” |
| Amount left blank | Throw error “Amount cannot be blank” |
| Date left blank | Throw error “Date cannot be blank” |
| More than 3 decimal places | Throw error “Amount cannot have 3 decimal” |
| Date in the past | Throw error “Date cannot be in the past” |
| **Sign in** | Failed authentication | Throw error “Wrong Username or Password, Please try again!” |
| **Sign up** | Existing email address | Throw error “This email address is associated with another Hawk Finance account” |
| Existing username | Throw error “This username is associated with another Hawk Finance account” |
| Weak password | Throw error “This password is not secure. Try a different password” |
| **Forgot password** | Incorrect email address | Throw error “This email address is not associated with any Hawk Finance account” |
| **Global** | Cannot connect to database | Throw error “Cannot connect to database” |