Terms of Reference

Unauthorized User:

Google Authorization

1. The user can register using their Google account credentials.
   After authentication, clicking the **Google button** will authorize the user and redirect them to their account.

Authentication via Form

1. The user can log in by clicking the **LOG IN** button in the authentication form.

2. The user can register by clicking the **REGISTRATION** button in the authentication form.

3. **Email field validation** in the authentication form:

   ○ Required field.
   ○ May contain Latin letters, digits, and symbols.
   ○ Must include both "@" and "." characters.
   ○ Minimum length: 10 characters; maximum: 63.
   ○ Must have at least 2 characters before the "@" symbol.
   ○ Hyphens are allowed but not at the beginning or end of the address.
   ○ The username part may contain Latin letters, digits, dots, hyphens, and underscores.

4. **Password field validation** in the authentication form:

   ○ Required field.
   ○ May contain both digits and letters.

5. If the user enters invalid values in the **Email** or **Password** fields, an appropriate error message must be displayed with validation details.

Authorized User:

Header
1. The header must display:

   ○ The application logo.
   ○ A user icon with the first letter of their username (from the email).
   ○ An **Exit** button.

2. Clicking the logo must return the user to the homepage.

3. Clicking **Exit** should trigger a modal window with the message *"Do you really want to leave?"* and options **Yes** and **No**.

Home Page

1. Upon first login, if the balance is zero, the user should see the message:
   "Hello! To get started, enter the current balance of your account! You can't spend money until you have it :)"
2. If the balance is zero, the user can enter a value in the **Balance** field and click **Confirm**, which will hide the message above.
3. The current date must be visible in the **Add Transaction** form.
4. The user can change the date to add transactions for the current or past days.
5. The **Product Description** field must:

   o Be required.
   o Allow letters and spaces.
   o Have a minimum of 3 characters and a maximum of 20.

6. The **Product Category** field must:

   o Be required.
   o Allow selection from a dropdown list.

7. The **Amount** field must:

   o Be required.
   o Have a minimum value of 1.

8. Clicking **INPUT** must:

   o Add the transaction and display it in the list.
   o Increase the balance by the amount for income transactions.
   o Decrease the balance by the amount for expense transactions.
   o Update the total monthly transaction value accordingly.

9. Clicking **CLEAR** must reset all input fields, except the **Date** field.

10. The user must be able to delete transactions from the list.

11. When changing the date, the user should:

   ● See the list of transactions for that date.
   ● Be able to delete or add transactions for that date.

12. Upon deletion, a modal must appear with **Yes** and **No** options.

13. When deleting a transaction:

- The balance must update accordingly (increase for expenses, decrease for income).
- The total for the corresponding month must decrease by the transaction amount.

14. The user can switch between **Income** and **Expense** transactions.

15. If the number of transactions exceeds the visible space, the user must be able to scroll.

16. A **Summary** section must display all transactions (income and expenses) for each month up to the current one.

17. The user must be able to navigate to the **Reports** page by clicking on **Reports**.

Reports Page

1. A button to return to the home page must be visible.
2. A **paginator** must allow the user to navigate through the available months (only current and previous months).
3. For each selected month, the user must see:

   - The total income and expenses.
   - A paginator for toggling between transaction types.

4. When switching between income and expense, only categories with transactions for the selected month must be displayed.

5. Clicking a category must display a graph showing all products within that category, listed in descending order by amount.