

Business Requirement Document

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Revision History

| Description | Date | Author |
| --- | --- | --- |
| Initial Release | January 2024 | GoIT Management & Mentor Mai |

Website

| **Website:** | [**https://kapusta-qa-ro.p.goit.global/**](https://kapusta-qa-ro.p.goit.global/) |
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# **Unauthorized User**

## *Google Authorization*

1. The user can log in using the form with their Google account credentials. After that, clicking the Google button should authorize the user and redirect them to their account.

## *Authenticate using the form*

1. The user can log in by clicking the Login button in the authorization form.
2. The user can register by clicking the REGISTER button in the authorization form.
3. The user's email field in the authorization form must be validated:
   1. Mandatory value,
   2. may include Latin letters, numbers, signs,
   3. must contain the "@" / "dot" sign,
   4. minimum of 10 characters (inclusive), maximum of 63 characters (inclusive),
   5. at least 2 characters before the "@" symbol,
   6. The field may contain hyphens, and the hyphen cannot be at the beginning or end of the email,
   7. The username part of the email can contain Latin letters, numbers, periods, hyphens, and underscores.
4. The user's password field in the authorization form must be validated:
   1. Mandatory value,
   2. Can include both numbers and letters.
5. A validation error message should appear if the user enters an invalid value in the email or password fields under the field.

# **Authorized User**

## *Header*

1. In the header, the user should see:
   1. the application's logo,
   2. an icon with the first letter of the user's name (part of the authentication email),
   3. The Logout button.
2. The user can click on the logo and return to the home page.
3. The user can click the Logout button, after which a modal with the text "Do you really want to log out?" and the option to confirm or deny should appear.

## *Start Page*

1. Upon the first entry into the application, near zero balance, the user should see the message - "Hello! To get started, please deposit the current balance of your account! You cannot spend money until you have it :)"
2. The user can enter the value in the balance field and click Confirm if the balance is zero. After that, the message from Step 1 should be hidden.
3. On entering the home page, the user can see the current date in the transaction entry form.
4. The user can modify the date in the transaction entry form and add a transaction for any day, current or past.
5. The user can enter a description of the transaction in the Product Description field:
   1. Mandatory value,
   2. can be letters, spaces,
   3. minimum 3 characters,
   4. max: 20 characters.
6. The user can select the transaction category name from the drop-down list in the Product Category field - required.
7. The user can enter the transaction amount in this field - it must be a number with a minimum value of 1.
8. The user can click the ENTER button, after which:
   1. the transaction will be added and displayed in the transaction list,
   2. the balance will increase by the transaction amount (for income transactions),
   3. the balance from the transaction amount will decrease (for an expense transaction),
   4. the transaction amount will increase in the monthly summary in which the transaction was added.
9. The user can click the CLEAR button, after which all data entered in the form fields (except the date field) should be cleared.
10. The user can delete a transaction from the list.
11. The user can modify the date in the transaction entry form and:
    1. view the list of transactions for that date,
    2. delete any transaction for that date,
    3. add a transaction for that date.
12. At the moment of transaction deletion, a modal window with the option to confirm or cancel the action should appear.
13. In case of transaction deletion:
    1. the value in the "Balance" field should decrease by the value of the deleted transaction (for income transactions),
    2. the value in the "Balance" field should increase by the value of the deleted transaction amount (for an expense transaction),
    3. the value in the monthly summary from which the transaction comes should decrease by the value of this transaction.
14. The user can switch between expense and income transactions.
15. If more transactions are entered than the transaction list can contain, the user can use the scroll to navigate the list.
16. The user can see the Summary with data from all transactions (income or expenses) for all months from the beginning of the year until the current month.
17. The user can go to the Reports page by clicking the Go to Reports button.

## *Reports Page*

1. The user should see the button to return to the home page.
2. The user should see a paginator for changing months, with the ability to only go from the current month to the previous ones.
3. When switching from one month to another, the user can see:
   1. the sums of income and expenses for the selected month,
   2. a paginator to change between types of income and expense transactions.
4. Switching from one transaction type to another, the user can see only those transaction categories that were added in the selected month.
5. The user can click on any displayed transaction category and see a chart for this category, displaying the sums of all products for this category added in the selected month in descending order.