**Checklist functional and non-functional testing web application Wallet**

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| **Check** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Test data** | **Comments** |
| **Registration using the form (*Non registered user*) Negative scenario** | | | | | |
| **User registration form field - email (validation)** | | | | | |
| 1. Do not enter anything | **passed** | **passed** | **passed** |  |  |
| 2. Try to register by entering 5 Cyrillic letters before the "@" sign | **failed** | **failed** | **failed** | текст@ukr.net | Cyrillic symbols should not allowed |
| 3. Try to register by entering E-mail without a dot “.” | **passed** | **passed** | **passed** | test@ukrnet |  |
| 4. Try to register by entering E-mail without "@" sign | **passed** | **passed** | **passed** | test\_ukr.net;  testukr.net; |  |
| 5. Try to register by entering 9 symbols in the E-mail field | **failed** | **failed** | **failed** | test@i.ua; | Minimum E-mail symbols should be 10 |
| 6. Try to register by entering 64 symbols in the E-mail field | **failed** | **failed** | **failed** | qwertyuiopasdfghjkltzxcvbnmqwertyuiopasdfghjklzxcvbnmk@gmail.com | Maximum E-mail symbols should be 63 |
| 7. Try to register by entering "@" sign at the beginning | **failed** | **failed** | **failed** | @t@gmail.com | “@” character should not allowed at the E-mail begin |
| 8. Try to register by entering only 1 symbol before the "@" sign | **failed** | **failed** | **failed** | t@gmail.com | Minimum symbols before “@” character should be 2 |
| 9. Try to register by entering 2 symbols before the "@" sign | **passed** | **passed** | **passed** | tt@gmail.com |  |
| 10. Try to register by entering hyphen sign at the beginning of E-mail | **failed** | **failed** | **failed** | -tt@gmail.com | Hyphen should not allowed at the E-mail begin |
| 11. Try to register by entering hyphen sign at the end of E-mail | **passed** | **passed** | **passed** | tim@ukr.net- |  |
| 12. Try signing up with a hyphen in the middle of E-mail | **passed** | **passed** | **passed** | tim@u-kr.net |  |
| 13. Try to register by entering underscore at the beginning of E-mail | **failed** | **failed** | **failed** | \_tim@ukr.net | Underscore should not allowed at the E-mail begin |
| 14. Try to register by entering underscore in the middle of E-mail | **passed** | **passed** | **passed** | tim@uk\_r.net |  |
| 15. Try to register by entering underscore at the end of E-mail | **passed** | **passed** | **passed** | tim@ukr.net\_ |  |
| **User registration form field - password (validation)** | | | | | |
| 1. Do not enter anything | **passed** | **passed** | **passed** |  |  |
| 2. Try to register by entering 6 Cyrillic letters | **passed** | **passed** | **passed** | тестер | Letters are not accepted |
| 3. Try to register by entering 6 Latin letters | **passed** | **passed** | **passed** | tester |  |
| 4. Try to register by entering special symbols | **passed** | **passed** | **passed** | #$&\*()\_- |  |
| 5. Try to register by entering 5 symbols | **failed** | **failed** | **failed** | &2121 | Minimum symbols should be 6 |
| 6. Try to register by entering 17 symbols | **failed** | **failed** | **failed** | qweqweq1234567890 | Maximum symbols which can be written is 12, but should be 16 |
| 7. Try to register without entering the password in the second confirmation field | **passed** | **passed** | **passed** |  |  |
| 8. Try to register by entering a password that does not match the first one in the second confirmation field | **passed** | **passed** | **passed** |  |  |
| **User registration form field - name (validation)** | | | | | |
| 1. Do not enter anything | **passed** | **passed** | **passed** |  |  |
| 2. Try to register by entering 5 underscore signs | **failed** | **failed** | **failed** | \_\_\_\_\_ | User registered |
| 3. Try to register by entering 5 hyphen signs | **failed** | **failed** | **failed** | ----- | User registered |
| 4. Try to register by entering special symbols | **passed** | **passed** | **passed** | !@#$%^&\*()=+<>,./?”’|\ | Symbols are not accepted |
| 5. Try to register by entering 5 numbers | **passed** | **passed** | **passed** | 12345 |  |
| 6. Try to register by entering 5 Latin symbols | **passed** | **passed** | **passed** | testt |  |
| 7. Try to register by entering 5 Cyrillic symbols | **passed** | **passed** | **passed** | тестт | Letters are not accepted |
| 8. Try to register by entering big letters | **passed** | **passed** | **passed** | TesTt |  |
| 9. Try to register by entering 13 symbols | **passed** | **passed** | **passed** | qwer1234qw123 |  |
| **Login using the form (*Registered user*) Negative scenario** | | | | | |
| **User Login form field - email (validation)** | | | | | |
| 1. Do not enter anything | **passed** | **passed** | **passed** |  |  |
| 2. Try to login using unregistered E-mail | **passed** | **passed** | **passed** |  |  |
| 3. Try to login using wrong E-mail | **passed** | **passed** | **passed** |  |  |
| **User Login form field - password (validation)** | | | | | |
| 1. Do not enter anything | **passed** | **passed** | **passed** |  |  |
| 2. Try to login using an incorrect password | **passed** | **passed** | **passed** |  |  |

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| **Check** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed** | **Status/Mobile**  **(passed/failed)** | **Comments** |
| **Header(*Authorized user*)** | | | | |
| Check the location of the application logo in the left part of the header after authorization | **passed** | **passed** | **passed** |  |
| Check the location of the icon with the first letter of the user's name in the right part of the header after authorization (part of the email with the login) | **passed** | **passed** | **passed** |  |
| Check the location of the "**Exit**" button in the right part of the header, to the right of the user icon after authorization. | **passed** | **passed** | **passed** |  |
| By clicking on program logo on page header user redirect to main site page | **passed** | **passed** | **passed** |  |
| When click on "**Exit**" button, calling a modal window with confirmation of exiting the program | **passed** | **passed** | **passed** |  |
| Check the operation of the "**Cancel**" button in the modal window that appears after clicking the "**Exit**" button in the page header. User remains in the application | **passed** | **passed** | **passed** |  |
| With **"Esc"** key close modal window after clicking **"Exit"** button.User remains in the application | **passed** | **passed** | **passed** |  |
| Close modal window after pressing **"Exit"** button  by clicking on the gray background. User remains in the application | **passed** | **passed** | **passed** |  |
| Check the operation of the **"Exit"** button in modal window. User exits from the program | **passed** | **passed** | **passed** |  |

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| --- | --- | --- | --- | --- |
| **Check** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed** | **Status/Mobile**  **(passed/failed)** | **Comments** |
| **Main page (*Authorized user*)** | | | | |
| First visit - user goes on main site page, “Home” button pressed | **passed** | **passed** | **passed** |  |
| User balance field displayed a zero balance(first visit) | **passed** | **passed** | **passed** |  |
| Check the location of the "+" button for adding a transaction on the main page | **passed** | **passed** | **passed** |  |
| Clicking "+" will open a modal window for adding a transaction | **passed** | **passed** | **passed** |  |
| Check the operation of the radio button in the modal window of adding a transaction (values are given below) | **passed** | **passed** | **passed** |  |
| **"Income" - green button** | **passed** | **passed** | **passed** |  |
| **"Expense" - red button** | **passed** | **passed** | **passed** |  |
| Check the radio button color change in the modal window for adding a transaction. After switching the radio button to "**Income**" or "**Expense**" | **passed** | **passed** | **passed** |  |
| **"Income" - green button** | **passed** | **passed** | **passed** |  |
| **"Expense" - red button** | **passed** | **passed** | **passed** |  |
| Check the presence of "**ADD**", "**Cancel**" buttons at the bottom of the modal window for adding a transaction | **passed** | **passed** | **passed** |  |
| The user can go to the statistics page by clicking the button **"Statistics"** | **passed** | **passed** | **passed** |  |
| **Check on different devices** | | | | |
| **Desktop** | | | | |
| Check the markup of the main page according to the layout (width 1280px) | **passed** | **passed** | **passed** |  |
| The currency exchange component is placed under the balance sheet, **on the left** | **passed** | **passed** | **passed** |  |
| The transaction table is located on the main page **on the right side** | **passed** | **passed** | **passed** |  |
| The transaction table contains a horizontal, sequential information field with the following consecutive values (values are given below) | **passed** | **passed** | **passed** |  |
| 1 Value - Date | **passed** | **passed** | **passed** |  |
| 2 Value - Type | **passed** | **passed** | **passed** |  |
| 3 Value - Category | **passed** | **passed** | **passed** |  |
| 4 Value - Comment | **passed** | **passed** | **passed** |  |
| 5 Value - Sum | **passed** | **passed** | **passed** |  |
| 6 Value - Balance | **passed** | **passed** | **passed** |  |
| In the lower right corner of the main page there is a button to add a transaction "+" | **passed** | **passed** | **passed** |  |
| Clicking "+" will open a modal window for adding a transaction | **passed** | **passed** | **passed** |  |
| **Tablet** | | | | |
| Check the markup of the main page according to the layout (width 768px) | **passed** | **passed** | **passed** |  |
| The currency exchange component is placed under the balance sheet, **on the left** | **passed** | **passed** | **passed** |  |
| The transaction table is located on the main page **on the right side** | **passed** | **passed** | **passed** |  |
| The transaction table contains a horizontal, sequential information field with the following consecutive values (values are given below) | **passed** | **passed** | **passed** |  |
| 1 Value - Date | **passed** | **passed** | **passed** |  |
| 2 Value - Type | **passed** | **passed** | **passed** |  |
| 3 Value - Category | **passed** | **passed** | **passed** |  |
| 4 Value - Comment | **passed** | **passed** | **passed** |  |
| 5 Value - Sum | **passed** | **passed** | **passed** |  |
| 6 Value - Balance | **passed** | **passed** | **passed** |  |
| In the lower right corner of the main page there is a button to add a transaction "+" | **passed** | **passed** | **passed** |  |
| Clicking "+" will open a modal window for adding a transaction | **passed** | **passed** | **passed** |  |
| **Mobile** | | | | |
| Check the markup of the main page according to the layout (width 320px) | **passed** | **passed** | **passed** |  |
| Pressed button | **passed** | **passed** | **passed** |  |
| Buttons for switching windows are located on the main screen, in the middle | **passed** | **passed** | **passed** |  |
| Below the buttons for switching between windows, there is a balance display field | **passed** | **passed** | **passed** |  |
| The transaction table is located on the main page **in the middle of the screen** | **passed** | **passed** | **passed** |  |
| The transaction table contains a horizontal, sequential information field with the following consecutive values (values are given below) | **passed** | **passed** | **passed** |  |
| 1 Value - Date | **passed** | **passed** | **passed** |  |
| 2 Value - Type | **passed** | **passed** | **passed** |  |
| 3 Value - Category | **passed** | **passed** | **passed** |  |
| 4 Value - Comment | **passed** | **passed** | **passed** |  |
| 5 Value - Sum | **passed** | **passed** | **passed** |  |
| 6 Value - Balance | **passed** | **passed** | **passed** |  |
| The currency exchange component opens when the  button pressed | **passed** | **passed** | **passed** |  |
| The statistics display component opens when the  button pressed | **passed** | **passed** | **passed** |  |
| In the lower right corner of the main page there is a button to add a transaction "+" | **passed** | **passed** | **passed** |  |
| Clicking "+" will open a modal window for adding a transaction | **passed** | **passed** | **passed** |  |
| **Fill "Income" transaction in the window for adding transactions (Main page)** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Comments** |
| Ability to select a category from the drop-down list of categories is mandatory | **passed** | **passed** | **passed** |  |
| Field for entering the amount, mandatory value, accepts only numbers and the special character "." a maximum of two digits inclusive after this character | **passed** | **passed** | **passed** |  |
| If user are not entered dot "." and two zeros, zeros must be displayed | **failed** | **failed** | **failed** | “.00” should be displayed at the transaction field |
| **Amount input field Negative scenario** | | | | |
| Enter the letters in the field for entering the amount | **passed** | **passed** | **passed** |  |
| Enter special characters in the field for entering the amount | **passed** | **passed** | **passed** |  |
| Enter the letters after the dot | **passed** | **passed** | **passed** |  |
| Enter three digits after the dot | **failed** | **failed** | **failed** | Can write three or more numbers |
| Enter a special character instead of a dot | **passed** | **passed** | **passed** |  |
| Enter a zero at the beginning of the amount | **failed** | **failed** | **failed** | Can write numbers at the begin |
| **Comment** field, optional (accepts letters and numbers) | **failed** | **failed** | **failed** | Shows message “Comment field is necessary) field |
| **Comment** field accepts letters | **passed** | **passed** | **passed** |  |
| **Comment** field accepts numbers | **passed** | **passed** | **passed** |  |
| **Comment** field NOT accepts special characters | **passed** | **passed** | **passed** |  |
| When fields are empty and user click on **"ADD"** button - should appear error | **passed** | **passed** | **passed** |  |
| **Click on "ADD" button in the window of adding transactions in a transaction “Income” (Main page)** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Comments** |
| The transaction will be added and displayed in the transaction list | **passed** | **passed** | **passed** |  |
| The balance in the transaction amount will increase | **passed** | **passed** | **passed** |  |
| Verify that the default calendar date is displayed in the modal window for adding a transaction when the "**Income**" radio button is clicked | **passed** | **passed** | **passed** |  |
| In the calendar, select a date earlier than the current one in the modal window to add a transaction when the "**Income**" radio button is clicked | **failed** | **failed** | **failed** | Date cannot be changed |
| Select the date next to the current one in the calendar in the modal window to add a transaction when the "**Income**" radio button is pressed | **failed** | **failed** | **failed** | Date cannot be changed |
| Use the keyboard in the calendar to change the date in the modal window to add a transaction when the "**Income**" radio button is pressed | **failed** | **failed** | **failed** | Date cannot be changed |
| Enter the text in the "**Comment**" field, in the modal window to add a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| In the "**Comment**" field, enter text using numbers and special characters, in the modal window to add a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Click the "**ADD**" button with blank fields in the modal window to add a transaction when the "**Income**" radio button is clicked | **passed** | **passed** | **passed** | Transaction is not added |
| Press the "**ADD**" button with filled fields in the modal window to add a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check the addition of the transaction amount to the list of transactions after filling in the fields and pressing the "**ADD**" button in the modal window to add a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check the correctness of the increase of the balance amount in the balance field after adding the transaction amount in the modal window for adding a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check that the filled-in information is saved in the list of transactions after filling in the fields and pressing the "**ADD**" button in the modal window to add a transaction when the "**Income**" radio button is pressed | **passed** | **passed** | **passed** |  |
| **Click on "Cancel" button in the window of adding transactions in a transaction “Income” (Main page)** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Comments** |
| The modal window closes, data is not saved | **passed** | **passed** | **passed** |  |
| With **"Esc"** key close modal window closes, data is not saved | **passed** | **passed** | **passed** |  |
| Close modal window after clicking on **gray background**, data is not saved | **passed** | **passed** | **passed** |  |

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| **Fill "Expense" transaction in the window for adding transactions (Main page)** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Comments** |
| Ability to select a category from the drop-down list of categories is mandatory | **passed** | **passed** | **passed** |  |
| Field for entering the amount, mandatory value. accepts only numbers and the special character "." a maximum of two digits inclusive after this character | **passed** | **passed** | **passed** |  |
| If user are not entered dot "." and two zeros, zeros must be displayed | **failed** | **failed** | **failed** | “.00” should be displayed at the transaction field |
| **Amount input field Negative scenario** | | | | |
| Enter the letters in the field for entering the amount | **passed** | **passed** | **passed** |  |
| Enter special characters in the field for entering the amount | **passed** | **passed** | **passed** |  |
| Enter the letters after the dot | **passed** | **passed** | **passed** |  |
| Enter three digits after the dot | **failed** | **failed** | **failed** | Can write three or more numbers |
| Enter a special character instead of a dot | **passed** | **passed** | **passed** |  |
| Enter a zero at the beginning of the amount | **failed** | **failed** | **failed** | Can write numbers at the begin |
| **Comment** field, optional | **failed** | **failed** | **failed** | Shows message “Comment field is necessary) field |
| **Comment** field accepts letters | **passed** | **passed** | **passed** |  |
| **Comment** field accepts numbers | **passed** | **passed** | **passed** |  |
| **Comment** field NOT accepts special characters | **passed** | **passed** | **passed** |  |
| When fields are empty and user click on **"ADD"** button - should appear error | **passed** | **passed** | **passed** |  |
| Ability to select a category from the drop-down list of categories is mandatory | **passed** | **passed** | **passed** |  |
| Verify that the default calendar date is displayed in the modal window for adding a transaction when the "**Expense**" radio button is clicked | **passed** | **passed** | **passed** |  |
| In the calendar, select a date earlier than the current one in the modal window to add a transaction when the "**Expense**" radio button is clicked | **failed** | **failed** | **failed** | Date cannot be changed |
| Select the date next to the current one in the calendar in the modal window to add a transaction when the "**Expense**" radio button is pressed | **failed** | **failed** | **failed** | Date cannot be changed |
| Use the keyboard in the calendar to change the date in the modal window to add a transaction when the "**Expense**" radio button is pressed | **failed** | **failed** | **failed** | Date cannot be changed |
| Enter the text in the "**Comment**" field, in the modal window to add a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| In the "**Comment**" field, enter text using numbers and special characters, in the modal window to add a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Click the "**ADD**" button with blank fields in the modal window to add a transaction when the "**Expense**" radio button is clicked | **passed** | **passed** | **passed** | Transaction is not added |
| Press the "**ADD**" button with filled fields in the modal window to add a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check the addition of the transaction amount to the list of transactions after filling in the fields and pressing the "**ADD**" button in the modal window to add a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check the correctness of the increase of the balance amount in the balance field after adding the transaction amount in the modal window for adding a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| Check that the filled-in information is saved in the list of transactions after filling in the fields and pressing the "**ADD**" button in the modal window to add a transaction when the "**Expense**" radio button is pressed | **passed** | **passed** | **passed** |  |
| When fields are empty and user click on **"ADD"** button - should appear error | **passed** | **passed** | **passed** |  |
| **Click on "ADD" button in the window of adding transactions in a transaction “Expense” (Main page)** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Comments** |
| The transaction will be added and displayed in the transaction list | **passed** | **passed** | **passed** |  |
| The balance in the amount of the transaction will decrease | **passed** | **passed** | **passed** |  |

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| **Check** | **Status/Desktop**  **(passed/failed)** | **Status/Tablet**  **(passed/failed)** | **Status/Mobile**  **(passed/failed)** | **Comments** |
| **Сторінка статистики** | | | | |
| A button to return to the main page is displayed | **passed** | **passed** | **passed** |  |
| The page corresponds to the design of the project | **passed** | **passed** | **passed** |  |
| By clicking on the "month" drop-down list, we can select the desired month | **passed** | **passed** | **passed** |  |
| By clicking on the "year" drop-down list, we can select the desired year | **passed** | **passed** | **passed** |  |
| When switching between months, the amount of income and expenses for the selected month is displayed | **passed** | **passed** | **passed** |  |
| When switching between years, the amount of income and expenses for the selected year is displayed | **passed** | **passed** | **passed** |  |
| The page displays a chart with transaction split fractions in different colors for the current period | **passed** | **passed** | **passed** |  |
| The amount in the chart must correspond to the amount of expenses for the selected period | **passed** | **passed** | **passed** |  |