**Monfey Application**

**● First Part: Test Design**

(Deliverables)

1. A list of ideas/bullet points you would test for. Focus on good coverage, rather

than complete test cases.

* Installation of the app.
* Search in the app.
* Check icons and their titles.
* Check user accounts.
* Add a user account.
* Delete user account.
* Edit user account.
* Merge user account.
* Enable and Disable user account.
* Transfer from account to another.
* Display type (by Date —> Day, Month, Year).
* Add Income.
* Add Expense.
* Change Currency.
* Edit Category.
* Merge Categories.
* Delete Categories.
* Enable and Disable Category.
* Choose the category to make an expense.
* Data backup and restore.
* Budget mode.
* Change Language.
* Balance and list of details
* Edit a record.
* Delete a record.
* Carry over.
* Clear data.
* Export file.
* Privacy Policy.
* About.
* Review.

2. A prioritization of such test cases according to their possible business impact:

| Environment | | Android (Samsung) | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Title (Point) | Priority | Precondatin | Test Steps | Expected Result | Test result |
| TC01 | Installation of the App | Priority 1 | The Device should be connected to the internet | 1- Open the Play Store and search for the Monefy app  2- Press install to install the app. | 1- Monefy app should be found.  2- Monefy app is  downloaded and installed normally.  3- The App icon is displayed normally on the mobile. |  |
| TC02 | Search in the app. | Priority 1 |  | 1-Click on the search icon in the top bar.  2- Type in different letters and different  words. | The search result should meet the search input. |  |
| TC03 | Check icons and their titles. | Priority 2 |  | 1- Observe each icon on the home screen.  2- Long press on each icon to display its title or name. | 1- Icons should be clearly displayed and have no invisible icons or overlapping.  2- Name of icons should be displayed correctly when long pressed on each icon. |  |
| TC04 | Switch between user accounts | Priority 2 |  | 1- CIick the three horizontal lines in the top left.  2- Click the accounts drop-down list at the top and switch between different accounts. | 1- A list of different views appears and a drop-down list of accounts.  2- Switching is correct between all accounts. |  |
| TC05 | Add a user account. | Priority 3 |  | 1- Click on the three vertical dots on the top right.  2- Select Accounts.  3- Select Add.  4- Click on the name and edit the name.  5- fill in the initial balance.  6- Click on the initial balance date.  7- Select the icon from the icons list.  8- Click ADD in the top right. | 1- Right side list appears.  2- List of all accounts appear.  3- The new account page will appear.  4- Name added successfully.  5- Initial account balance is set successfully.  6- Calendar will appear, and the initial balance date will be chosen successfully.  7- All icons could be selected successfully.  8- The new account is added to the whole app. |  |
| TC06 | Delete user account. | Priority 2 |  | 1- Click on the three vertical dots on the top right.  2- Select Accounts.  3- Select one of the available accounts.  4- Click on the trash icon. | 1- Right side list will appear.  2- List of all accounts will appear.  3- Edit account page will appear.  4- The account is deleted successfully from the whole app. |  |
| TC07 | Edit user account. | Priority 2 |  | 1- Click on the three vertical dots on the top right.  2- Select Accounts.  3- Select one of the added accounts to edit.  4- Click on the name and edit the name (type in different letters and different words and different languages)  5- Click on the initial balance date to edit.  6- Click on the initial account balance to edit.  7- Select a new icon from the icons list (try different icons)  8- Click the back arrow in the top left. | 1- Right side list will appear.  2- List of all accounts will appear.  3- Edit account page will appear.  4- Name edited successfully.  5- Calendar will appear, and the initial balance date will be chosen successfully.  6- Initial account balance is edited successfully.  7- All icons could be selected successfully.  8- The account is edited in the whole app. |  |
| TC08 | Merge user account. | Priority 2 |  | 1- CIick on the three vertical dots on the top right.  2- Select Accounts.  3- Choose any account from the accounts list.  4- CIick on the three vertical dots on the top right.  5- Click merge.  6- Select the other account to be merged with. | 1- Right side list appears.  2- List of all available Accounts appear.  3- Edit Account page appears.  4- List appears that contains merge and enable switch.  5- List of available accounts appear.  6- The account is merged and does not exist on the whole app. |  |
| TC09 | Enable and Disable user account. | Priority 2 |  | 1- CIick on the three vertical dots on the top right.  2- Select Accounts.  3- Choose any account from the accounts list.  4- CIick on the three vertical dots on the top right.  5- Click enabled to uncheck.  6- Click the back arrow in the top left.  7- Repeat steps (from 1 to 6) then observe the chosen account from the available category list. | 1- Right side list appears.  2- List of all available accounts appear.  3- Edit account page appears.  4- List appears that contains merge and enable switch.  5- The account is disabled and disappeared from the accounts list on the left side.  6- The account is enabled back and appears again on the accounts list on the left side. |  |
| TC10 | Transfer from account to another. | Priority 2 |  | 1- Click on the three vertical dots on the top right.  2- Select Accounts.  3- Select transfer (try to  select transfer icon from  the home page)  4- Click the two drop-down lists to choose the from-to accounts.  5- Click on the date on the top.  6- Click on the amount bar and type the amount.  7- Select Add transfer. | 1- Right side list will appear  2- List of all accounts will appear.  3- The new transfer page will appear.  4- List of all existing accounts will appear, and accounts will be chosen successfully.  5- Calendar will appear, and the date could be chosen successfully.  6- Typed amount will appear on the screen on the right.  7- The transfer is successfully made. |  |
| TC11 | Display type (by Date —> Day, Month, Year). | Priority 3 | Different income and expenses are added in different days, weeks, months and years. | 1- CIick the three horizontal lines on the top left.  2- Choose all different views (Day, Week, Month, Year, All intervals and Choose a date options). | 1- A list of different views will appear.  2- Each view is selected and applied successfully. |  |
| TC12 | Change First day of week. | Priority 3 | 1- Set View to Week View.  2- Add records in different weeks. | 1- Click on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click first day of week.  4-Select a day. | 1- Setting list appears.  2- All settings appear.  3- List of days appear with the 7 days of the week sorted correctly.  4- The records  were split correctly according to the chosen day. |  |
| TC13 | Change First day of month. | Priority 3 | 1- Set View to Month View.  2- Add records in different months. | 1- Click on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click first day of month.  4- Select a day. | 1- Setting list appears.  2- All settings appear.  3- List of days will appear with the days of the month sorted correctly.  4- The records  were split correctly according to the chosen day. |  |
| TC14 | Add Income. | Priority 1 |  | 1- Press the income icon.  2- Click the date at the top, then choose a date.  3- Click the accounts icon and choose an account.  4- Click on Note and write a note.  5- Write the value.  6- Click choose Category.  7- Choose a category from the category list. | 1- The icon works normally and a new income screen appears.  2- A calendar appears and you can choose the required date normally.  3- Could switch between different accounts (cash, payment card, etc.)  4- Could type any note in any language.  5- Values could be written and changed normally.  6- All available categories appear normally (Deposits, Salary, Savings)  7- The income is added in the chosen category successfully. |  |
| TC15 | Add Expense. | Priority 1 |  | 1- Press the expense icon.  2- Click the date at the top, then choose a date.  3- Click the accounts icon and choose an account.  4- Click on Note and write a note.  5- Write the value.  6- Click choose Category.  7- Choose a category from the category list. | 1- The icon works normally and a new expense screen appears.  2- A calendar appears and you can choose the required date normally.  3- Could switch between different accounts (cash, payment card, etc.)  4- Could type any note in any language.  5- Values could be written and changed normally.  6- All available categories appear normally (car, house, food, etc.)  7- The expense is added in the chosen category successfully. |  |
| TC16 | Check the equation feature. | Priority 1 |  | 1- Press the income or expense icon  2-Try to do different equations using different operators (+,-,×,÷). | 1- The icon works normally, and a new income screen will appear.  2- Equations are calculated correctly. |  |
| TC17 | Change Currency. | Priority 3 |  | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click Currency.  4- Select a currency from the list. | 1- Right side list appears.  2- All settings appear.  3- A list appears with all available currencies sorted in alphabetical order.  4- The currency used in the whole app will change to the selected currency. |  |
| TC18 | Rename category. | Priority 2 |  | 1- Click on the three vertical dots on the top right.  2- Select Categories  3- Choose any category from the category list.  4- Click on category name and edit the name. | 1- Right side list appears.  2- List of all the available categories appear.  3- Edit category page appears.  4- Category will be renamed successfully.  5- The new category name appears in the app. |  |
| TC19 | Merge Category. | Priority 2 |  | 1- CIick on the three vertical dots on the top right.  2- Select Categories.  3- Choose any category from the category list.  4- CIick on more options (the three vertical dots on the top right)  5- Click merge.  6- Select the category you want to merge with. | 1- Right side list will appear.  2- List of all available categories will appear.  3- Edit category page will appear.  4- List will appear that contains merge and enable switch.  5- List of available categories will appear.  6- The category is merged and does not exist on the whole app. |  |
| TC20 | Delete Category. | Priority 2 |  | 1- CIick on the three vertical dots on the top right.  2- Select Categories.  3- Choose any category  from the Category list.  4- Click on the trash icon. | 1- Right side list appears.  2- List of all available categories appear.  3- Edit category page appears.  4- Warning message appears, and then the category will be deleted successfully.  5- The category does not exist on the  whole app. |  |
| TC21 | Enable and Disable Category. | Priority 2 |  | 1- CIick on the three vertical dots on the top right.  2- Select Categories.  3- Choose any category from the category list.  4- CIick on the three vertical dots on the top right.  5- Click enabled to uncheck.  6- Click the back arrow in the top left.  7- Repeat steps (from 1 to 6) then observe the chosen category from the available category list. | 1- Right side list appears.  2- List of all available categories appear.  3- Edit category page appears.  4- List appears that contains merge and enable switch.  5- The category is disabled and disappeared from the main page.  6- The category is enabled back and appears again on the main page. |  |
| TC22 | Choose the category to make an expense. | Priority 2 |  | 1- Click on any of the categories shown on the main page.  2- Click the date at the top, then choose a date.  3- Click the accounts icon and choose an account.  4- Click on Note and write a note.  5- Write the value.  6- Click on the back arrow on the left. | 1- The icon works normally and a new expense screen appears.  2- A calendar appears and the required date can be chosen normally.  3- Could switch between different accounts (cash, payment card, etc.)  4- Could type any note.  5- Values could be written and changed normally.  6- The expense is added in the chosen category successfully. |  |
| TC23 | Data backup and restore. | Priority 2 | Different income and expense records should already exist. | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under Data backup, click create data backup and save the backup.  4- Under Data backup,  click clear data and choose yes.  5- Under Data backup, click Restore data and  select the saved one back in step 3. | 1- Right side list appears.  2- All settings appear.  3- The backup stored message pops up.  4- All data records will be deleted successfully.  5- The backup restored message pops up, and all records are back as it was backed up. |  |
| TC24 | Change Language. | Priority 3 |  | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click Language.  4- Select a language from the list and click ok. | 1- Right side list appears.  2- All settings appear.  3- Languages list appears with all available languages.  4- The Language of the The whole app changes to the selected language. |  |
| TC25 | Edit a record. | Priority 2 | The record should already exist. | 1- Click on the balance.  2- Click on any record.  3- Edit the date, the value and the category.  4- Press the back button on the left. | 1- All the income and expense records are displayed.  2- Edit page will be opened.  5- The record will be edited successfully in the whole app. |  |
| TC26 | Delete a record. | Priority 2 | The record should already exist. | 1- Click on the balance.  2- Click on any record.  3- Press on the trash can to delete. | 1- All the income and expense records are displayed.  2- Edit page will be opened.  3- The record will be deleted from the whole app. |  |
| TC27 | Summation of incomes and expenses | Priority 1 | Different income and expense records should already exist. | 1- Click on the Balance.  2-Sum all the income records and subtract all the expense records. | 1- All the income and  expense records are displayed.  2- The result is the same as the balance result. |  |
| TC28 | Records grouping | Priority 2 | Different income and expense records should already exist. | 1- Click on the Balance.  2- Observe the grouping.  2- Click on the grouping icon. | 1- All the income and expense records are displayed.  2- The group icon switches between group by category and group by date.  3- Grouping is correct and sorted by category.  4- Grouping  is correct and  sorted by date. |  |
| TC29 | Carry over. | Priority 3 |  | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under Balance, check carry over. | 1- Right side list appears.  2- All settings appear.  3- The Carry over function is working successfully in  different views |  |
| TC30 | Budget mode | Priority 3 |  | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under Balance, check Budget mode and enter a budget value. | 1- Right side list appears.  2- All settings appear.  3- The budget value is added instead of an account successfully. |  |
| TC31 | Export file. | Priority 3 |  | 1- CIick on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click Export to file and click ok. | 1- Right side list appears.  2- All settings appear.  3- The csv file is saved with all the records. |  |
| TC32 | Privacy and Policy. | Priority 3 |  | 1- Click on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click Privacy Policy. | 1- Right side list appears.  2- AIl settings appear.  3- Monefy app Privacy Policy will open on the web page. |  |
| TC33 | About. | Priority 3 |  | 1- Click on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click About Monefy. | 1- Right side list appears.  2- All settings appear.  3- About menu will pop up. |  |
| TC34 | Review application. | Priority 3 |  | 1- Click on the three vertical dots on the top right.  2- Select Settings.  3- Under General settings, click on Review application. | 1- Right side list appears.  2- All settings appear.  3- Monefy app opens in the Play Store to give a rate and review. |  |

# **Second Part: Bug Reporting**

1- Write down six bugs you found.

2- Mention (Title, Reproducible Steps, Attachments, Affected Devices, Network, Severity, Priority, Impact).

| Title | Steps | Attachments | Affected Devices | Network | Severity | Priority | Expected result | Actual result | User Impact |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Language (the language doesn’t change completely when choosing another language). | 1- Click on the three vertical dots on the top right.  2- Choose settings.  3- Click language.  4- Select any language other than English  5- Observe the app language. | Screen record  <https://photos.app.goo.gl/PE2okCa1wRD45UkT7> | Model: Samsung A52s  OS: Android | Connected to the network. | Major | High | The whole app language should be changed to the selected language. | App Language is not  changed  Except for the months that are translated. | User that doesn’t know English will uninstall the app. |
| Enable and Disable category (category with expense transaction shouldn’t be disabled) | 1- Make an expense for any category (house).  2- Click on the three vertical dots on the top right.  3- Choose settings.  4- Click Categories.  5- Choose the category with the expense transaction made in step 1.  6- Click on the three vertical dots on the top right.  7- Click enable to uncheck.  8- Click the back arrow in the top left. | Screen record  <https://photos.app.goo.gl/NwTDxho1JGRY8BRE6> | Model: Samsung A52s  OS: Android | Not connected to the network. | Major | Medium | Error message should pop up to inform that category with the expense transaction can’t be disabled. | The category with the expense transaction on is disabled from the categories list but not the homepage | User will get confused. |
| Expense and Income icons ( changed to {+, -} after changing the language 3 times). | 1- Click on the three vertical dots on the top right.  2- Choose settings.  3- Click language.  4- Select any language.  5- Repeat steps (1 to 4) another 2 times. | Screen record  <https://photos.app.goo.gl/RyMVLTpbdqgDYwdr5> | Model: Samsung A52s  OS: Android | Connected to the network. | Minor | Low | Icon shouldn’t change. | Icon change. | User might get confused. |
| Merge (can’t unmerge merged categories) | 1- Click on the three vertical dots on the top right.  2- Choose Categories.  3- Select any category.  4- Click on the three vertical dots on the top right.  5- Click Merge.  6- Choose any other category.  7- Repeat steps (1 to 4) and observe. | Screen record  <https://photos.app.goo.gl/wRge8VEc2Gk1rhTd9> | Model: Samsung A52s  OS: Android | Not connected to the network. | Critical | High | Merged categories should have an option to unmerge. | Merged categories should have an option to unmerge and didn’t exist. | User will have to clear all data to unmerge and that will cause all data to be lost which could make him uninstall the app. |
| Editing categories (can’t switch between categories in the category editing screen. | 1- Click on the three vertical dots on the top right.  2- Choose Categories.  3- Select any category.  4- Click another category from the available categories list. | Screen record <https://photos.app.goo.gl/9BCtiERDev6Z6oxD6> | Model: Samsung A52s  OS: Android | Connected to the network. | Major | High | Could switch to the selected category to edit. | 1- Purchase screen appears even if the selected category is free.  2- To be able to edit another category, user should go back to home screen. | A frustrating experience. |
| Equations (writing equations on expense or income that end with an operator, the equation is accepted and performed on the last number). | 1- Choose any category from the home screen.  2- Write equation that ends with operator (Ex: 3+6+)  3- Click on the arrow on the top left.. | Screen record (https://photos.app.goo.gl/yxZh5Gew2NY1PmLK8) | Model: Samsung A52s  OS: Android | Connected to the network. | Major | Medium | Error message saying equation should be valid/ equation option shouldn’t be available. | The equation would be accepted and performed on the last number (Ex: 3+6+ = 18) | User might get confused. |

3. QA Engineers don't only work with developers, but also closely collaborate with Product Managers. It would be great if you have a strong product sense, you're welcome to spot any UX issues in this app and write it down.

* Writing equation is not displayed on the screen and this is a very bad user experience and very confusing.
* In budget mode the user could not see his total income, So adding another field on the budget mode so the user could see his total income, his total expense and the allowed budget will be more clear and give a good user experience.
* Adding an income or expense with 0 amount the value bar become red
* In the select preferable language list the languages are not sorted, So adding a sorted list will be much better.
* Adding three free days trial in Monefy Pro will be great and could increase the Purchase of Monefy Pro.
* Synchronization is made manually in the app, So adding auto Synchronization will be great.
* Adding a (Pro) label on each feature that only Monefy Pro subscribers enjoy would be better for free users and easier.