

Instabug Challenge

Part One:

- **Deliverable (1): Test Ideas for Monefy Budget Tracker**

Introduction:

Testing mobile apps takes place on 6 different testing types:

1. Functional Testing
2. Performance Testing
3. Useability App Testing
4. Compatibility App Testing
5. Localization App Testing

Functional Testing:

The main idea of the app is to track expenses and money handling in general.

Ideas for function testing:

- Test adding Income for all categories functionality
- Test adding Expense for all categories functionality
- Test Calculation functionality
- Test history for both Income and Expense
- Test using Multiple accounts
- Test adding new account
- Test adding data on different time frames
- Test Searching
- Test Transferring functionalities between accounts
- Test Exporting functionality
- Test Backup functionality
- Test Restore functionality
- Test Clearing data functionality
- Test Input validation for the entire app

Performance Testing:

- Test startup speed
- Test stressing the app by doing a lot of tasks fast as possible
- Test how much CPU and Memory the app uses
- Test adding a lot of data
- Test handling running in different network condition
- Test Data consumption (Storage)

Usability Testing:

- Design and layout consistency in landscape and portrait modes
- Logic of user flow
- Intuitiveness of the interface
- Graphic elements placement
- Text simplicity and readability

Compatibility Testing:

- User interface and performance across various screen sizes, and operating system

Localization Testing:

- Default language
- Date format
- Text input parameters

Part One:

- **Deliverable (2): Test cases prioritization**

Introduction:

- We will create prioritization classes and we will prioritize the test cases ideas from the first task

Prioritization Classes:

ID	Prioritization	Description
1	Critical	The test cases, which MUST be executed, and it will have huge impact on the product.
2	High	The test cases, Which MUST be executed, but will have less impact than the critical one.
3	Medium	The test cases COULD be executed if there is enough time. These are not very critical cases.
4	Low	The test cases are never important, as their impact is nearly negligible.

ID	Test Category	Test Case	Priority
1	Functional	Test adding Income for all categories	Critical
2	Functional	Testing adding Expenses for all categories	Critical
3	Functional	Test Calculation functionality across the app	Critical
4	Functional	Test history for Income and Expense	Critical
5	Functional	Test Input validation for entire app	Critical
6	Performance	Startup speed	Critical
7	Performance	Data/Memory Consumption	Critical
8	Useability	Logic of user flow	Critical
9	Useability	Intuitiveness of the interface	Critical
10	Useability	Graphic elements placement	Critical
11	Useability	Text simplicity and readability	Critical
12	Compatibility	User interface and performance	Critical
13	Localization	Default language	Critical
14	Localization	Date format	Critical
15	Functional	Test adding data on different time frames	High
16	Functional	Test transferring between accounts	High
17	Functional	Test Backup functionality	High
18	Functional	Test Restore functionality	High
19	Performance	Test adding a lot of data	High
20	Useability	Design and layout consistency	High
21	Localization	Text input parameters	High
22	Functional	Test Searching	Medium
23	Functional	Test Export functionality	Medium
24	Functional	Test Clearing data functionality	Low
25	Performance	Test stressing	Low
26	Performance	Test handling running in different network condition	Low

Part Two: Bug Reporting

ID	Title	Reproducible Steps	Attachments	Affected Devices	Network	Severity	Priority	Impact
1	Category Menu Collapsing	1- Choose any Category and Delete it 2- Repeat until 2 or 3 Categories left 3- Open Right Panel 4- Open Categories 5- Open Settings or accounts 6- Categories menu doesn't Collapse	https://drive.google.com/drive/folders/1qABEv9rVHlf7AV9PgSabYcYR1Kcw4gbk?usp=drive_link	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
2	Keyboard Closing	1- Press on any text box that requires keyboard 2- finish writing then press anywhere in the screen 3- the keyboard is not dismissed until activation of back gesture on the phone	-	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
3	Search Results inaccessible	1- Press on search icon 2- try typing letter 'o' for example 3- there are search results behind the keyboard i can't see	-	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
4	Opening right and left panels	1- Activate the swipe gesture to go back on android phone. 2- try to swipe left or right to open panels 3- can't open panels without going back by mistake because of the back gesture move	-	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
5	0% appears on Categories	1- Add high amount of expnses (100000) to a specific Category 2- Add very low amount of expenses (10) to another category 3- the second category will appear with 0%	https://drive.google.com/drive/folders/1H2V_OnmkPjOKwwWWCMbWxHD89xIOwiN4?usp=drive_link	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
6	Notification dismissing	1- Add expense or income to any category or account. 2- a notification will appear 3- try dismissing the notification with swiping it up or down. 4- can't dismiss it	https://drive.google.com/drive/folders/1RK-8rvihZMUMZolCit-eoAx14xwb0vZ9?usp=drive_link	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	

7	Categories Lines	1- Add Expenses to alot of categories 5 or more Categories 2- some categories won't draw a line to the middle circle	https://drive.google.com/drive/folders/1NGT73Q1NfwBGI_8joOECn9snnUC6ZGof?usp=drive_link	1- OnePlus 6t (Android v11)	ALL	Moderate	P4	
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Part Two: Automation Testing

ID	Test Category	Test Case	Priority
1	Functional	Verify That the text box exists and displayed	Critical
2	Functional	Verify that the search text box accepts text/input	Critical
3	Functional	Test the search functionality by entering a valid search term and verifying that the correct results are displayed.	Critical
4	Functional	Verify that the search functionality works correctly when the search query is empty	Critical
5	Functional	Verify that the search function is case-insensitive	Critical
6	Functional	Check that the search functionality works as expected when no results are found	Critical
7	Functional	Check that the search functionality works as expected when the search term is a misspelling	Critical
8	Functional	Check that the search functionality works as expected when there are special characters in the search term.	Critical