Instabug Challenge

**First Part**: Test Design

* The list of points that will be tested prioritized to business impact :
  + Calculation between (Expense - Income).
  + Editing/Deleting any incorrect amount
  + Get the Calculation history during specific period of time (day - week - month - duration)
  + Transfer from Account to another
  + Supported currency
  + Adding/Editing Account
  + Change language
  + Exporting Excel
  + Settings Feature (Dark theme - sync - backup - budget mode - carry over - future recurring records)
  + Adding Another (Expense - Income) resource
* Test Cases:
  + Calculation between (Expense - Income)

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| Testcase | Expected Result | iOS | Android |
| Add income on zero balance | 1- The balance should be equal the result of this calculation and be updated with each fees added and converted between green and red  2- For each expense resource there should be line and percentage of how much it reflects on the balance in the cycle of balance (in home page) | Pass | Pass |
| Add income on negative balance (negative lower) | Pass | Pass |
| Add income on positive balance | pass | pass |
| Add income on decimal value | pass | pass |
| Add expense on zero balance | pass | pass |
| Add expense on positive balance(negative higher) | pass | pass |
| Add expense on negative balance | pass | pass |
| Add expense on decimal value | pass | pass |
| Add new expense / income resource and use it | 1- The balance should be equal the result of this calculation and be updated with each fees added and converted between green and red | pass | pass |

* + Editing/Deleting any incorrect amount

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| Testcase | Expected Result | iOS | Android |
| Try to edit the amount | - Amount should be edited  - new amount should be reflected in Home page and also in history | pass | pass |
| Try to delete it | - Amount should be edited  - new amount should be reflected in Home page and also in history | pass | pass |
| Try to add negative amount (1-2) | An error should occurs | pass | pass |

* Get the Calculation history during specific period of time (day - week - month - duration)

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| --- | --- | --- | --- |
| Testcase | Expected Result | iOS | Android |
| Select day/week/month/ year | The result should include only the day/week/month/ year incomes and expenses | pass | pass |
| Select specific date | The result should include only the this date incomes and expenses | pass | pass |
| Select interval | The result should include this only period | pass |  |

* Transfer from Account to another

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| Testcase | Expected Result | iOS | Android |
| No negative amount can be transferred | An error should be occurs | pass | pass |
| User cannot select both accounts | An error should occurs | pass | pass |
| After transfer amount should be deducted from the first account,amount should be added to the second account | After going to Home page to the second account the income section should have this amount, and the balance updated | pass | pass |
| Transfer can be editable / deleted |  | pass | pass |
| Selecting a transfer date should reflect on the same date |  | pass | pass |

* Supported currency

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| Testcase | Expected Result | iOS | Android |
| Selecting different currency | The new currency should reflect on the all system | pass | pass |

* Changing Payment method

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| Testcase | Expected Result | iOS | Android |
| Add new account with initial balance | The initial balance will reflect in home page | pass | pass |
| Account should be editable | Both name and initial balance can be editable | pass | pass |
| Deleting account after transfer amount from it to another account should not reflect to the balance of the another account |  | pass | pass |
| Changing account should represent it’s only incomes and expenses |  | pass | pass |

* Change language

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| --- | --- | --- | --- |
| Testcase | Expected Result | iOS | Android |
| Change lang. Should reflect on all system |  | pass | pass |

* Exporting Excel

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| Testcase | Expected Result | iOS | Android |
| Clicking on extracting excel should return all data with it’s language | Data returned but the headers in english only | fails | fail |

* Settings Feature (Dark theme - sync - backup - budget mode - carry over - future recurring records)

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| Testcase | Expected Result | iOS | Android |
| click on Dark Theme button | Whole app should convert to dark mode with all white buttons converted to balck and vice versa | Needed premium account | Needed premium account |
| Try with budget mode | The value should be presented and balance turns to red when the expense exceeds it’s limit | pass | pass |

* Adding Another (Expense - Income) resource

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| Testcase | Expected Result | iOS | Android |
| Add income and expense resource and try to use it | The income should increase the balance amount  The expense should decrease the balance amount | Needed premium account | Needed premium account |