**TEST PLAN**

1. **UNIT TEST PLAN**

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| **Test ID** | **Req. ID Mapping** | **Description** | **Expected Input** | **Expected Output** | **Actual Output** |
| UT\_01 | LL01 | Menu containing calculator, Unit, roman converter logo and name | The NavDrawer has to include the three selections upon clicking on the menu button | The NavDrawer displays Calculator, Unit Converter and Roman to Decimal Converter |  |
| UT\_02 | LL02 | Calculator Fragment background color black, touch feedback on click of button. | Touch feedback on click of button by implementing multiple drawables | Touch feedback |  |
| UT\_03 | LL03 | Multiplication, Addition, Subtraction, Division, Clear, percentile operations | Arithmetic Operations to be performed | Calculations are performed as per the selected operation |  |
| UT\_04 | LL04 | Unit Converter should contain Currency, Temperature and Length conversion | Buttons to navigate to either of the three fragments of the Unit Converter | Upon selection of desired button, navigation to the desired fragment of Unit converter has to happen |  |
| UT\_05 | LL05 | Unit Converter Fragment should contain #LL05 Conversion Logo | Logos have been implemented as drawables | Logos of the Fragments are visible in the NavDrawer |  |
| UT\_06 | LL06 | Roman Converter should contain roman to Decimal and Vice Versa conversion | Roman to Decimal Converter contains editTexts and TextViews to take in and display the outputs | Conversion occurs accordingly upon selection of the desired conversion |  |
| UT\_07 | LL07 | App icon to be included | The icon for the application is to be displayed | Drawable implementation should reflect the app icon |  |

1. **INTEGRATION TEST PLAN**

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| **Test ID** | **Req. ID Mapping** | **Description** | **Expected Input** | **Expected Output** | **Actual Output** |
| IT\_01 | HL01 | Navigation bar containing Menu | The NavDrawer should display all the menu items and the menu button | NavDrawer displays the three menu items – Calculator, Unit Converter and Roman to Decimal Converter |  |
| IT\_02 | HL02 | Calculator Fragment | Calculator fragment should be included in the MainActivity.java | Calculator fragment upon selection navigates to the calculator section of the application |  |
| IT\_03 | HL03 | Unit Converter Fragment | Unit Converter fragment should be included in the MainActivity.java | Unit Converter fragment upon selection navigates to the Unit converter section of the application |  |
| IT\_04 | HL04 | Roman Converter | Roman to Decimal Converter fragment should be included in the MainActivity.java | Roman to Decimal Converter fragment upon selection navigates to the Roman to Decimal converter section of the application |  |