Test Plan:

Unit Test Plan:

Test ID	Description	Precondition	Expected IO	Expected OP	Actual OP
U1	Check the operations of calculator	The app should be started and calculator activity running	1+1 -2*6 -6/3 -6+10	2 -12 -2 4	2 -12 -2 4
U2	Checking the operations of Speed Unit Converter	The app should be started and speed activity running	Speed:10mph	• 14.67 foot per second • 4.47 meter per second • 16.09 kmph • 8.688 knot	• 14.67 foot per second • 4.47 meter per second • 16.09 kmph • 8.688 knot
U3	Checking the operations of Length Unit Converter	The app should be started and length activity running	Length:1000mm	• 1 m • 0.001km • 39.37 inch • 3.28 foot • 6.21×10^{-4} mile	• 1 m • 0.001km • 39.37 inch • 3.28 foot 6.21×10^{-4} mile
U4	Checking the operations of Volume Unit Converter	The app should be started and volume activity running	Volume: 1 liter	• 1000 millimeter • 2.113 us liquid pint • 4.167 us legal cup • 0.2199 gallon	• 1000 millimeter • 2.113 us liquid pint • 4.167 us legal cup • 0.2199 gallon

Test ID	Description	Precondition	Expected IO	Expected OP	Actual OP
				• 0.8795 imperial quart • 0.0353 cubic foot	• 0.8795 imperial quart • 0.0353 cubic foot
U5	Checking the operations of Temperature Unit Converter	The app should be started and temperature activity running	Temperature: 25 Celsius	• 77 Fahrenheit • 298 kelvins	• 77 Fahrenheit • 298 kelvins

Integration Test Plan:

Test ID	Description	Precondition	Expected IO	Expected OP	Actual OP
I1	Display of two icons with unit converter and calculator	App should be started	On Click of app icon	The app should start and show two icons	The app should start and show two icons
I2	Clicking the first icon which is calculator, should display the calculator screen with numbers and operation symbols.	App should show the two icons of calculator and converter	On click of the calculator icon.	The app should display the calculator screen and be able to take inputs	The app should display the calculator screen and be able to take inputs
I3	Clicking the second icon which is unit converter, should display the 4-converter screen with ability to choose from the	App should show the two icons of calculator and converter	On click of the converter icon.	The app should display the converter screen and show the four options in the converter	The app should display the converter screen and show the four options

					in the converter
I4	Selecting on the any four converters (speed, length, Volume, temperature) and can do the operations for the all four converters.	App should show the four icons converter	On click of any of the four-converter icon.	The app should display the selected converter screen and do the operations as expected	The app should display the selected converter screen and do the operations as expected