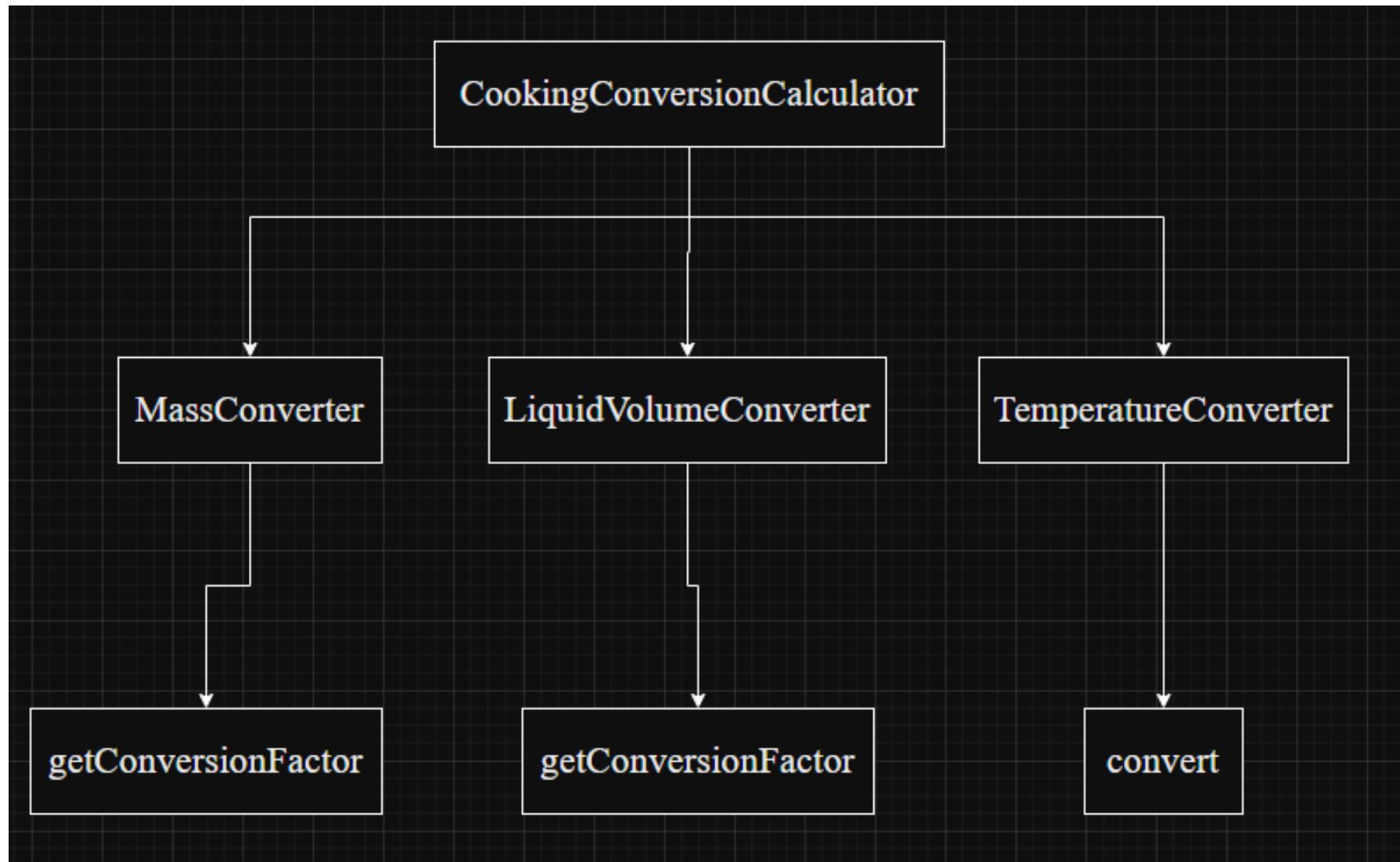


Program Structure



Top-down Integration

Unit under test	List of Stubs/Drivers	Input	result	Stub's return value	Expected results	Actual results	Pass/Fail/No run
TD-TEMP-1	Stub TemperatureConverter.c onvert	choice=temperature, value=50, fromUnit=celsius, toUnit=fahrenheit	122	122	122	122	Pass
TD-MASS-1	Stub MassConverter.convert	choice=mass, value=10, fromUnit=pound, toUnit=kilogram	4.536	4.536	4.536	4.536	Pass
TD-LIQ-1	Stub LiquidVolumeConverter. convert	choice=liquid, value=5, fromUnit=pint, toUnit=ml	2365.88	2365.88	2365.88	2365.88	Pass
TD-UNKW-1	-	choice=pressure, value=15, fromUnit=pascal, toUnit=bar	-	-	0.0	0.0	Pass

Bottom-up Integration

Unit under test	List of Stubs/Drivers	Input	result	Stub's return value	Expected results	Actual results	Pass/Fail/No run
BU-MASS-1	Driver:JUnit test	value=1, fromUnit=cup, toUnit=gram	-	-	125	125	Pass
BU-MASS-2	Driver:JUnit test	value=2, fromUnit=tablespoon, toUnit=gram	-	-	16	16	Pass

BU-MASS-3	Driver:JUnit test	value=4, fromUnit=oz, toUnit=gram	-	-	113.396	113.396	Pass
BU-MASS-4	Driver:JUnit test	value=5, fromUnit=pound, toUnit=kilogram	-	-	2.27	2.27	Pass
BU-MASS-5	Driver:JUnit test	value=1000, fromUnit=gram, toUnit=oz	-	-	35.0	35.0	Pass
BU-MASS-6	Driver:JUnit test	value=2, fromUnit=kilogram, toUnit=pound	-	-	4.41	4.41	Pass
BU-LIQ-1	Driver:JUnit test	value=2, fromUnit=cup, toUnit=ml	-	-	500	500	Pass
BU-LIQ-2	Driver:JUnit test	value=0.5, fromUnit=cup, toUnit=oz	-	-	4	4	Pass
BU-LIQ-3	Driver:JUnit test	value=2, fromUnit=tablespoon, toUnit=quart	-	-	30	30	Pass
BU-LIQ-4	Driver:JUnit test	value=10, fromUnit=oz, toUnit=ml	-	-	295.74	295.74	Pass
BU-LIQ-5	Driver:JUnit test	value=0.5, fromUnit=pint, toUnit=ml	-	-	236.588	236.588	Pass
BU-LIQ-6	Driver:JUnit test	value=2, fromUnit=quart, toUnit=liter	-	-	1.892	1.892	Pass
BU-LIQ-7	Driver:JUnit test	value=50, fromUnit=ml, toUnit=oz	-	-	1.7	1.7	Pass
BU-LIQ-8	Driver:JUnit test	value=2, fromUnit=liter, toUnit=pint	-	-	4.226	4.226	Pass
BU-LIQ-9	Driver:JUnit test	value=0.5, fromUnit=liter, toUnit=quart	-	-	0.5285	0.5285	Pass

BU-LIQ-10	Driver:JUnit test	value=4, fromUnit=liter, toUnit=gallon	-	-	1.056	1.056	Pass
BU-TEMP-1	Driver:JUnit test	value=32, fromUnit=fahrenheit, toUnit=celsius	-	-	0	0	Pass
BU-TEMP-2	Driver:JUnit test	value=212, fromUnit=fahrenheit, toUnit=celsius	-	-	100	100	Pass
BU-TEMP-3	Driver:JUnit test	value=0, fromUnit=celsius, toUnit=fahrenheit	-	-	32	32	Pass
BU-TEMP-4	Driver:JUnit test	value=100, fromUnit=celsius, toUnit=fahrenheit	-	-	212	212	Pass
BU-TEMP-5	Driver:JUnit test	value=-40, fromUnit=fahrenheit, toUnit=celsius	-	-	-40	-40	Pass
BU-CALC-1	Driver:JUnit test	choice=mass, value=5, fromUnit=kilogram, toUnit=pound	-	-	11.023	11.023	Pass
BU-CALC-2	Driver:JUnit test	choice=liquid, value=2, fromUnit=quart, toUnit=liter	-	-	1.892	1.892	Pass
BU-CALC-3	Driver:JUnit test	choice=temperature, value=50, fromUnit=fahrenheit, toUnit=celsius	-	-	10	10	Pass
BU-CALC-4	Driver:JUnit test	choice=temperature, value=10, fromUnit=fahrenheit, toUnit=celsius	-	-	-12.22	-12.22	Pass
BU-CALC-5	Driver:JUnit test	choice=pressure, value=50, fromUnit=pascal, toUnit=bar	-	-	0.0005	0.0005	Pass

