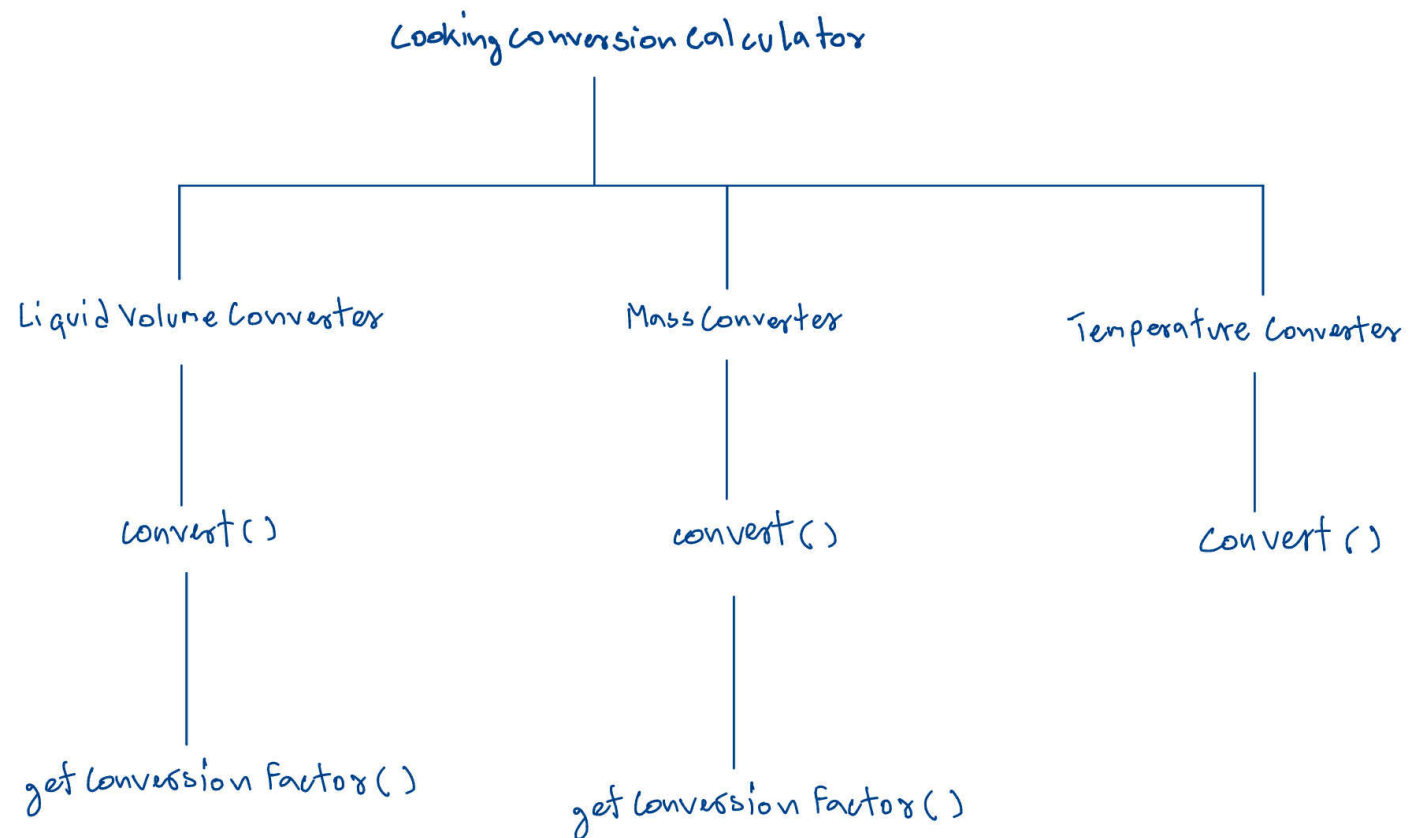


Program Structure



Top-down Integration

Unit under test	List of Stubs/Drivers	result	Stub's return value	Expected results	Actual results	Pass/Fail/No run
CookingConversionCalculator	LiquidConverter.convert()	Convert 1 cup to ml	250	250	250	Pass
CookingConversionCalculator	MassConverter.convert()	Convert 100 g to oz	3.5	3.5	3.5	Pass
CookingConversionCalculator	TemperatureConverter.convert()	Convert 25°C to °F	77.0	77.0	77.0	Pass
LiquidConverter.convert()	LiquidConverter.getConversionFactor()	ขอ multiplier จาก cup to ml	250	250	250	Pass
LiquidConverter.getConversionFactor()	-	สมมติ multiplier จาก cup to ml	-	250	250	Pass
MassConverter.convert()	MassConverter.getConversionFactor()	ขอ multiplier จาก gram to oz	0.035	0.035	0.035	Pass

MassConverter. getConversionFactor()	-	สมมติ multiplier จาก gram to oz	-	0.035	0.035	Pass
TemperatureConverter.convert()	-	สมมติค่าจาก °C to °F เมื่อใส่ค่า 25	-	77.0	77.0	Pass

Bottom-up Integration

Unit under test	List of Stubs/Drivers	result	Stub's return value	Expected results	Actual results	Pass/Fail/No run
LiquidConverter. getConversionFactor()	LiquidConverter. convert()	ขอ multiplier จาก cup to ml	-	250	250	Pass
MassConverter. getConversionFactor()	MassConverter. convert()	ขอ multiplier จาก gram to oz	-	0.035	0.035	Pass
LiquidConverter. convert()	CookingConversionCalculator	Convert 1 cup to ml	-	250	250	Pass

MassConverter.convert()	CookingConversionCalculator	Convert 100 g to oz	-	3.5	3.5	Pass
TemperatureConverter.convert()	CookingConversionCalculator	Convert 25°C to °F	-	77.0	-0.0	Fail
CookingConversionCalculator	-	เลือก Temperature Convert 25°C to °F	-	77.0	0.0	Fail