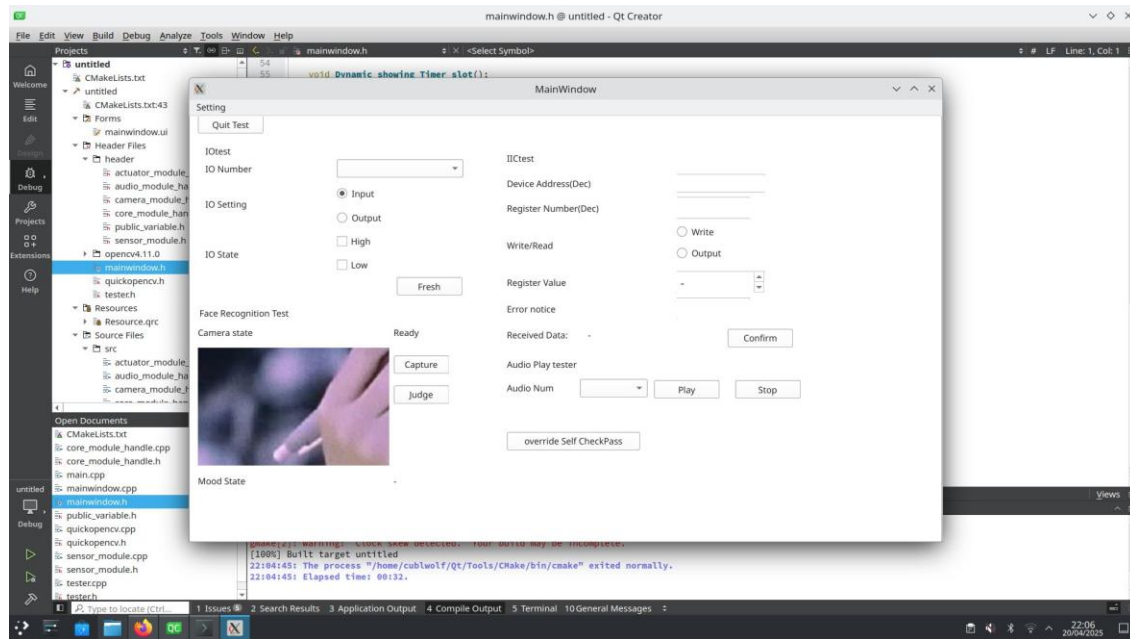










# Mood Coffee – Unit Test Template

This document provides a unit testing template for individual modules of the Mood Coffee system.



## Unit Test Cases and Results

No.	Module	Test Item	Test Method	Expected Result	Actual Result	Pass/Fail & Notes
1	Biological Signal Sensor	Heart Rate Detection	Connect sensor and measure HR with known input	Correct heart rate value displayed		Pass
2	Biological Signal Sensor	Oxygen Saturation	Test SpO2 reading with stable input	SpO2 percentage displayed accurately		Pass
3	Image Recognition Module	Facial Detection	Show face to camera in proper lighting	Face is correctly detected on screen		Pass
4	Image Recognition Module	Emotion Classification	Show various expressions (happy, sad, neutral)	System outputs correct emotion		Pass
5	Recognition Module	Multi-source Integration	Feed image + bio data to system	System integrates		Pass

				and produces a consistent mood result		
6	Recognition Module	Recommendation Logic	Input defined emotion to check recommendation	Coffee type matches emotion		Pass
7	Brewing System	Pump Activation	Trigger pump via command	Pump operates correctly		Pass
8	Brewing System	Brew Execution	System receives command to brew coffee	Correct coffee is dispensed		Pass

10