

Unit Test Report

for Coffee Machine System

- Test Cases Specification
- Test Summary Report

Project Team

T6 Team

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Team Information

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1 Introduction

1.1 Objectives

본 문서는 2016년 건국대학교 소프트웨어 공학 개론 강의의 실습과제인 Coffee Machine System의 Unit Test를 위해 작성된 문서이다.

1.2 References

2016_T6_SRA_VER_2

2016_T6_SDS_VER_2

2 Unit test case specification

2.1 Test case specification identifier

Test Case Identifier	Input Specification	Output Specification
TEAM6_CM_001_001	Brew Button = on Powder = on	Trigger Extraction Brew Button = off
TEAM6_CM_001_002	Brew Button = on Powder = off	Trigger Grind Brew Button = off
TEAM6_CM_001_003	Brew Button = on Temp = hot	Trigger Heat Brew Button = off
TEAM6_CM_001_004	Concentration Button = on	Trigger Concentration Concentration Button = off
TEAM6_CM_001_005	Reservation Button = on	Trigger Reservation Reservation Button = off
TEAM6_CM_001_006	Clean Button = on Water > 500	Trigger Clean Clean Button = off
TEAM6_CM_001_007	Recharge Button = on	Trigger Recharge Recharge Button = off
TEAM6_CM_001_008	Water < Need Bean < Need UsedPowder = on	Trigger Speaker
TEAM6_CM_003	void	Bean -10 Powder = on
TEAM6_CM_004	void	Print Message
TEAM6_CM_005	void	Water - Need Powder = off

TEAM6_CM_006	Concentration Value	Set Concentration
TEAM6_CM_007	void	Print Message
TEAM6_CM_008	Reservation Mode Reservation Time	Set Reservation Mode Set Reservation Time
TEAM6_CM_009	Recharge thing Recharge Quantity	Set thing Thing = thing + Quantity
TEAM6_CM_010	Water < Need Bean < Need UsedPowder = on	Beep

2.2 Test items

2.1 Test case specification identifier 참조

2.3 Input specifications

2.1 Test case specification identifier 참조

2.4 Output specifications

2.1 Test case specification identifier 참조

3 Environmental needs

Hardware & Platform

-GCC Compiler/linker

Continuous Testing & Integrated Platform Environment

-Cygwin

4 Unit test summary report

4.1 Test summary report identifier

Test Case Identifier	Result
TEAM6_CM_001_001	Passed
TEAM6_CM_001_002	Passed
TEAM6_CM_001_003	Passed
TEAM6_CM_001_004	Passed

TEAM6_CM_001_005	Passed
TEAM6_CM_001_006	Passed
TEAM6_CM_001_007	Passed
TEAM6_CM_001_008	Passed
TEAM6_CM_003	Passed
TEAM6_CM_004	Passed
TEAM6_CM_005	Passed
TEAM6_CM_006	Passed
TEAM6_CM_007	Passed
TEAM6_CM_008	Passed
TEAM6_CM_009	Passed
TEAM6_CM_010	Passed

4.2 Evaluation

Total : 16

Passed : 16

Failed : 0