

System Test Report for Coffee Machine System

- Test Cases Specification
- Test Summary Report

Project Team

T6 Team

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1 Introduction

1.1 Objectives

이 문서는 T1의 Coffee Machine System의 System Test를 수행하기 위해 작성된 계획 문서이며, 본 System이 제대로 작동하는지를 살펴보기 위해 필요한 요소들을 정리해 놓은 문서이다. 제시된 Software Requirement Specification을 바탕으로, 각 기능이 제대로 수행되는 지 확인하는 것에 중점을 두어 작성하였다. Test를 수행하기 위해 필요한 활동 및 자원을 정의하고, Test Approach 및 Techniques를 정의한다. 또한 Test를 위한 환경적인 요구사항 및 test도구들을 정의한다.

1.1 References

T1_SRA_rev2, T1 SDS, T1_unit_plan, T1_unit_Report

2 System test case specification

2.1 Test case specification identifier

Test Case Identifier	Input Specification	Output Specification
TEAM1_CM_000	Run CM	Run
TEAM1_CM_001_001	Bean = 100 Water = 1000 Command Extract	Coffee Used powder data Spending time
TEAM1_CM_001_002	Bean = 100 Water = 0 Command Extract	Print "Water shortage"
TEAM1_CM_001_003	Coffee Powder = on Water = 1000 Command Extract	Coffee Used powder data Spending time
TEAM1_CM_001_004	Bean = 0 Water = 1000 Command Extract	Print "Bean shortage"
TEAM1_CM_002	Command Clean	Water - 500 Spending Time
TEAM1_CM_003_001	Command Recharge Water 1500	Water + 1000
TEAM1_CM_003_002	Command Recharge Bean -100	None

TEAM1_CM_003_003	Command Recharge Powder on	Powder on
TEAM1_CM_004	Command Used Powder Remove	Used Powder off
TEAM1_CM_005	Command Set Concentration	Concentration Changed
TEAM1_CM_006	Command Set Temperature	Temperature Changed
TEAM1_CM_007	Command Reserve Coffee Extraction Current time + 1min	Reserved
TEAM1_CM_008	Exit	Exit

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

2 Environmental needs

Testing Environment : Cygwin

3 System test summary report

3.1 Test summary report identifier

Test Case Identifier	Result
TEAM1_CM_000	Passed.
TEAM1_CM_001_001	Spending time
TEAM1_CM_001_002	Passed.
TEAM1_CM_001_003	Spending time
TEAM1_CM_001_004	Passed.
TEAM1_CM_002	Spending Time
TEAM1_CM_003_001	Passed.
TEAM1_CM_003_002	Passed.

TEAM1_CM_003_003	Passed.
TEAM1_CM_004	Passed.
TEAM1_CM_005	Passed.
TEAM1_CM_006	Passed.
TEAM1_CM_007	Passed.
TEAM1_CM_008	Exit

Evaluation

Total : 14

Passed : 10

Failed : 4

SRS에 표기된 시간의 소요가 전혀 고려되지 않음

Display 시 시간을 실시간으로 표기하지 못함

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