

# Unit Test Report

## for Digital Watch System

- Test Data
- Test Summary Report

### Project Team

이동아

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### Team Information

이동아: [dalee.dslab@gmail.com](mailto:dalee.dslab@gmail.com)

## Table of Contents

1	Introduction .....	3
1.1	Objectives.....	3
1.2	References.....	3
2	Unit test summary report .....	3
2.1	Test summary report identifier.....	3
2.2	Evaluation.....	6

## 1 Introduction

### 1.1 Objectives

본 문서는 2012년 2학기 SE 수업의 T3가 개발한 두 번째 Digital Watch System (DWS)을 Unit Testing 결과문서이다. T3가 정의한 Unit을 Testing을 수행하고 그 결과를 T3에게 통보하기 위해 작성한다..

### 1.2 References

DS-2012.T3.DWS.UTP-2.0

## 2 Unit test summary report

### 2.1 Test summary report identifier

Running Suite DWS_UTC_110		
	Running test DWS_UTC_110_00 ...	Passed
Running Suite DWS_UTC_120		
	Running test DWS_UTC_120_00 ...	Passed
Running Suite DWS_UTC_130		
	Running test DWS_UTC_130_00 ...	Passed
Running Suite DWS_UTC_140		
	Running test DWS_UTC_140_00 ...	Passed
Running Suite DWS_UTC_150		
	Running test DWS_UTC_150_00 ...	Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\WT3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 176
<b>Condition</b>	0	
Running Suite DWS_UTC_220		
	Running test DWS_UTC_220_00 ...	Passed
Running Suite DWS_UTC_240		
	Running test DWS_UTC_240_00 ...	Passed
Running Suite DWS_UTC_211		
	Running test DWS_UTC_211_00 ...	Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\WT3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 284
<b>Condition</b>	0	
Running Suite DWS_UTC_212		
	Running test DWS_UTC_212_00 ...	Passed
	Running test DWS_UTC_212_01 ...	Passed
	Running test DWS_UTC_212_02 ...	Passed
	Running test DWS_UTC_212_03 ...	Passed
	Running test DWS_UTC_212_04 ...	Passed
	Running test DWS_UTC_212_05 ...	Passed
	Running test DWS_UTC_212_06 ...	Passed
	Running test DWS_UTC_212_07 ...	Passed
Running Suite DWS_UTC_213		
	Running test DWS_UTC_213_00 ...	Passed
	Running test DWS_UTC_213_01 ...	Passed
Running Suite DWS_UTC_214		
	Running test DWS_UTC_214_00 ...	Passed
Running Suite DWS_UTC_215		
	Running test DWS_UTC_215_00 ...	Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\WT3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 631
<b>Condition</b>	mode.TS_second == 1	

Running test DWS_UTC_215_01 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 641
<b>Condition</b>	mode.TS_second == 1	
Running Suite DWS_UTC_216		
Running test DWS_UTC_216_00 ...		Passed
Running test DWS_UTC_216_01 ...		Passed
Running test DWS_UTC_216_02 ...		Passed
Running test DWS_UTC_216_03 ...		Passed
Running test DWS_UTC_216_04 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 785
<b>Condition</b>	Time.hour == 23	
Running test DWS_UTC_216_04 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 786
<b>Condition</b>	Time.minute == 01	
Running test DWS_UTC_216_05 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 807
<b>Condition</b>	Time.hour == 23	
Running test DWS_UTC_216_05 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 808
<b>Condition</b>	Time.minute == 00	
Running test DWS_UTC_216_06 ...		Passed
Running test DWS_UTC_216_07 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 848
<b>Condition</b>	Time.year == 12	
Running test DWS_UTC_216_08 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 871
<b>Condition</b>	Time.month == 11	
Running test DWS_UTC_216_08 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 872
<b>Condition</b>	Time.day == 23	
Running test DWS_UTC_216_09 ...		Passed

Running test DWS_UTC_216_10 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 916
<b>Condition</b>	Time.day == 23	
Running test DWS_UTC_216_11 ...		Passed
Running test DWS_UTC_216_12 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 960
<b>Condition</b>	Time.day == 1	
Running test DWS_UTC_216_13 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 982
<b>Condition</b>	Time.day == 29	
Running test DWS_UTC_216_14 ...		Passed
Running Suite DWS_UTC_217		
Running test DWS_UTC_217_00 ...		Passed
Running Suite DWS_UTC_218		
Running test DWS_UTC_218_00 ...		Passed
Running test DWS_UTC_218_01 ...		Passed
Running test DWS_UTC_218_02 ...		Passed
Running Suite DWS_UTC_219		
Running test DWS_UTC_219_00 ...		Passed
Running Suite DWS_UTC_21A		
Running test DWS_UTC_21A_00 ...		Passed
Running Suite DWS_UTC_21B		
Running test DWS_UTC_21B_00 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 1283
<b>Condition</b>	stopwatch.Lap_min == 00	
Running test DWS_UTC_21B_00 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 1284
<b>Condition</b>	stopwatch.Lap_se == 00	
Running Suite DWS_UTC_231		
Running test DWS_UTC_231_00 ...		Failed
<b>File Name</b>	C:\Users\dalee\W.hudson\jobs\T3_v2_Testing\workspace\src\TestCode.c	<b>Line Number</b> 1322
<b>Condition</b>	0	
Running Suite DWS_UTC_232		
Running test DWS_UTC_232_00 ...		Passed
Running Suite DWS_UTC_233		
Running test DWS_UTC_233_00 ...		Passed

Cumulative Summary for Run					
Type	Total	Run	Succeeded	Failed	Inactive
Suites	21	21	- NA -	0	0
Test Cases	46	46	33	13	0
Assertions	190	190	173	17	n/a

## 2.2 Evaluation

첫 번째 버전보다 SRA의 정리가 잘 되었으며, SRA의 내용이 코드에 반영이 잘 되었다. 하지만 **State Transition Diagram의 구현이 State 기반으로 되지 않아**서 테스트를 수행

할 수 없었다.

SVN server인 [https://203.252.164.101:8443/svn/default/T3\\_v2\\_testing/](https://203.252.164.101:8443/svn/default/T3_v2_testing/)에서 Test Code를 확인할 수 있다.

ID: guest / PW: guest121