System Test Report

for Digital Watch System

- **Test Cases Specification**
- **Test Summary Report**

Project Team
이동아

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Team Information
이동아: dalee.dslab@gmail.com

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1.1   Objectives

본 문서는 2012년 2학기 Software Engineering (2012SE) 수업에서 T2가 개발한 Digital Watch System (DWS)의 System Testing 결과보고서 문서이다.

1.2   References

DS-2012.T2.DWS.STP-1.0

2   System test case specification

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버튼 입력을 바로 받지 않는 문제가 있음

ST Mode에서 현재 시간의 초까지 나타남.

Table 1 Test Result

Test case identifier	Input specification	Output specification	Pass/Fail
DWS.STC.000.000	(TK mode), c	(ST mode) HH:MM MM:SS:ms ST	P
DWS.STC.000.001	(ST mode), c	(TK mode) MM-DD HH:MM:SS WD	P
DWS.STC.100.000	<프로그램 실행>	01-01 00:00:00 SUN	P
DWS.STC.101.000	(TK mode), a	(TK mode) MM-DD HH:MM:SS WD	F 마지막에 밑줄 상태로 다시 돌아오는 현상 발생
DWS.STC.101.001	(TK mode), a, [n<60]b	(TK mode) MM-DD HH:MM:nn WD	P
DWS.STC.101.002	(TK mode), a, [60]b	(TK mode) MM-DD HH:MM:00 WD	P
DWS.STC.101.100	(TK mode), a, c	(TK mode) MM-DD HH:MM:SS WD	P
DWS.STC.101.101	(TK mode), a, c, [n<12]b	(TK mode) MM-DD nn:MM:SS WD	P
DWS.STC.101.102 DWS.STC.102.000	(TK mode), a, c, [12]b	(TK mode) MM-DD 12:MM:SS WD PM	P
DWS.STC.101.103	(TK mode), a, c, [13]b	(TK mode) MM-DD 01:MM:SS WD PM	P
DWS.STC.101.104	(TK mode), a, c, [n<24]b	(TK mode) MM-DD n-12:MM:SS WD PM	P
DWS.STC.101.105	(TK mode), a, c, [24]b	(TK mode) MM-DD 00:MM:SS WD	P
DWS.STC.101.200	(TK mode), a, [2]c	(TK mode) MM-DD HH:MM:SS WD	P
DWS.STC.101.201	(TK mode), a, [2]c, [n<60]b	(TK mode) MM-DD HH:nn:SS WD	P
DWS.STC.101.202	(TK mode), a, [2]c, [60]b	(TK mode) MM-DD HH:00:SS WD	P
DWS.STC.101.300	(TK mode), a, [3]c	(ST mode) MM-DD HH:MM:SS WD	P
DWS.STC.101.301	(TK mode), a, [3]c, [n<88]b	(TK mode) MM-DD HH:MM:SS WD 2012+n	P
DWS.STC.101.302	(TK mode), a, [3]c, [88]b	(TK mode) MM-DD HH:MM:SS WD 2012	P
DWS.STC.101.400	(TK mode), a, [4]c	(TK mode) MM-DD HH:MM:SS WD	P
DWS.STC.101.401	(TK mode), a, [4]c, [n<12]b	(TK mode) nn-DD HH:MM:SS WD	P
DWS.STC.101.402	(TK mode), a, [4]c, [12]b	(TK mode) 01-DD HH:MM:SS WD	P
DWS.STC.101.500	(TK mode), a, [5]c	(TK mode) MM-DD HH:MM:SS WD	P
DWS.STC.101.501	(TK mode), a, [5]c, [n<29]b	(TK mode) MM-nn HH:MM:SS WD	P

DWS.STC.101.502	(TK mode), a, [5]c, [29]b – 2월, 윤년	(TK mode) MM-*01* HH:MM:SS WD	F
DWS.STC.101.503	(TK mode), a, [5]c, [29]b - !2월, !윤년	(TK mode) MM-*29* HH:MM:SS WD	P
DWS.STC.101.504	(TK mode), a, [5]c, [30]b – 2월, !윤년	(TK mode) MM-*01* HH:MM:SS WD	F
DWS.STC.101.505	(TK mode), a, [5]c, [30]b - !2월	(TK mode) MM-*30* HH:MM:SS WD	P
DWS.STC.101.506	(TK mode), a, [5]c, [31]b – 4,6,9,11월	(TK mode) MM-*01* HH:MM:SS WD	F
DWS.STC.101.507	(TK mode), a, [5]c, [31]b – 1,3,5,7,8,10,12월	(TK mode) MM-*31* HH:MM:SS WD	P
DWS.STC.101.507	(TK mode), a, [5]c, [31]b(1,3,5,7,8,10,12월), [5]c, b(2,4,6,9,11월)	(TK mode) *MM-??* HH:MM:SS WD	F
DWS.STC.101.600	(TK mode), a, [6]c	(TK mode) MM-DD HH:MM:<u>SS</u> WD	P
DWS.STC.200.000	(ST mode)	(ST mode) HH:MM 00:00:00 ST	P
DWS.STC.201.000	(ST mode), b	(ST mode) HH:MM *nn.nn.nn* ST- 1/100초 단위 시간 흐름을 *n*에 표시	P
DWS.STC.201.001	(ST mode), [2]b	(ST mode) HH:MM *nn.nn.nn* ST- 두 번째 b를 눌렀을 때 화면에 표시된 시간을 정지하여 *n*에 표시하고 시간 흐름을 멈춤	P
DWS.STC.201.002	(ST mode), [3]b	(ST mode) HH:MM *nn.nn.nn* ST- 세 번째 b를 누를 때, 두 번째 b를 눌렀을 때 표시된 시간부터 1/100초 단위 시간 흐름을 *n*에 표시	P
DWS.STC.201.003	(ST mode), [4]b	(ST mode) HH:MM *nn.nn.nn* ST- 네 번째 b를 눌렀을 대 화면에 표시된 시간을 정지하여 *n*에 표시하고 시간 흐름을 멈춤	P
DWS.STC.202.000	(ST mode), b, a	(ST mode) HH:MM *nn.nn.nn* ST- a를 눌렀을 때까지 흐른 시간 *n*에 표시	P
DWS.STC.202.001	(ST mode), b, [2]a	(ST mode) HH:MM *nn.nn.nn* ST- a를 눌렀을 때까지 흐른 시간 *n*에 표시	P
DWS.STC.202.002	(ST mode), b, [3]a	(ST mode) HH:MM *nn.nn.nn* ST- a를 눌렀을 때까지 흐른 시간 *n*에 표시	P
DWS.STC.202.003	(ST mode), b, a, b	(ST mode) HH:MM *nn.nn.nn* ST- 두 번째 b를 눌렀을 때까지 흐른 시간을 화면에 표시하고	P

		시간 측정을 멈춤	
DWS.STC.203.000	(ST mode), [2]b, a	(ST mode) HH:MM 00:00:00 ST	P
DWS.STC.203.001	(ST mode), [4]b, a	(ST mode) HH:MM 00:00:00 ST	P
DWS.STC.203.002	(ST mode), b, a, b, a	(ST mode) HH:MM 00:00:00 ST	P
DWS.STC.203.003	(ST mode), b, [2]a, b, a	(ST mode) HH:MM 00:00:00 ST	P
DWS.STC.300.000	(TK mode), d	(TK mode) **MM-DD HH:MM:SS WD**	F
DWS.STC.300.001	(TK mode), a, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.002	(TK mode), a, c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.003	(TK mode), a, [2]c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.004	(TK mode), a, [3]c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.005	(TK mode), a, [4]c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.006	(TK mode), a, [5]c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.007	(TK mode), a, [6]c, d	(TK mode) **MM-DD HH:MM:SS WD**	P
DWS.STC.300.008	(ST mode), d	(ST mode) **HH:MM 00:00:00 ST**	P
DWS.STC.300.009	(ST mode), b, d	(ST mode) **HH:MM $nn.nn.nn$ ST**- 1/100초 단위 시간 흐름을 n에 표시	P
DWS.STC.300.010	(ST mode), [2]b, d	(ST mode) **HH:MM $nn.nn.nn$ ST**- 두 번째 b를 눌렀을 때 화면에 표시된 시간을 정지하여 n에 표시하고 시간 흐름을 멈춤	P
DWS.STC.300.011	(ST mode), b, a, d	(ST mode) **HH:MM $nn.nn.nn$ ST**- a를 눌렀을 때까지 흐른 시간 n에 표시	P
DWS.STC.300.012	(ST mode), b, a, b, d	(ST mode) **HH:MM $nn.nn.nn$ ST**- 두 번째 b를 눌렀을 때까지 흐른 시간을 화면에 표시하고 시간 측정을 멈춤	P
DWS.STC.300.013	(ST mode), [2]b, a, d	(ST mode) **HH:MM 00:00:00 ST**	P
DWS.STC.400.000	(ST mode), b, c, c	(ST mode) HH:MM $nn:nn:nn$ ST 모드가 변경되어도 시간이 흐르는지 확인	P