

Software Engineering

Test Case Template and Examples

Test Case Template (Doc:T_01)

Test Case #:	Test Case Name:	Page: 1 of ..
System:	Subsystem:	
Designed by:	Design Date:	
Executed by:	Execution Date:	
Short Description:		

Pre-conditions

Step	Action	Expected System Response	Pass/ Fail	Comment
1				
2				

Post-conditions

Test Case Example1 (simple test)

Test Case #: 2.2	Test Case Name: Change PIN	Page: 1 of 1
System: ATM	Subsystem: PIN	
Designed by: ABC	Design Date: 28/11/2004	
Executed by:	Execution Date:	
Short Description: Test the ATM Change PIN service		

Pre-conditions

The user has a valid ATM card - The user has accessed the ATM by placing his ATM card in the machine
 The current PIN is 1234
 The system displays the main menu

Step	Action	Expected System Response	Pass/ Fail	Comment
1	Click the 'Change PIN' button	The system displays a message asking the user to enter the new PIN		
2	Enter '5555'	The system displays a message asking the user to confirm (re-enter) the new PIN		
3	Re-enter '5555'	The system displays a message of successful operation The system asks the user if he wants to perform other operations		
4	Click 'YES' button	The system displays the main menu		
5	Check post-condition 1			

Post-conditions

1. The new PIN '5555' is saved in the database

Test Case Example2 (complex test may be divided into more than test cases)

Test Case #: 2.3	Test Case Name: Change PIN	Page: 1 of 1
System: ATM	Subsystem: PIN	
Designed by: ABC	Design Date: 28/11/2004	
Executed by:	Execution Date:	
Short Description: Test the ATM Change PIN service		

Pre-conditions
The user has a valid ATM card - The user has accessed the ATM by placing his ATM card in the machine
The current PIN is 1234
The system displays the main menu

Step	Action	Expected System Response	Pass/ Fail	Comment
1	Click the 'Change PIN' button	The system displays a message asking the user to enter the new PIN		
2	Enter '5555'	The system displays a message asking the user to confirm (re-enter) the new PIN		
3	Re-enter '5555'	The system displays a message of successful operation The system asks the user if he wants to perform other operations		
4	Click 'YES' button	The system displays the main menu		
5	Check post-condition 1			
6	Repeat steps 1,2,3 using another PIN say '6666' and click 'NO' button	The system is exited and displays a greeting message asking the user to place his ATM card in the machine		
7	Check post-condition 2			
8	Repeat steps 1,2, using another PIN say '7777'	The system displays a message asking the user to confirm (re-enter) the new PIN		
9	Enter a wrong confirmation (say '9876')	The system displays a message of unsuccessful operation and asks the user to confirm the correct PIN		
10	Re-enter '7777'	The system displays a message of successful operation The system asks the user if he wants to perform other operations		

	Click 'NO' button	The system is exited and displays a greeting message		
	Check post-condition 3			

Post-conditions

1. The new PIN '5555' is saved in the database
2. The new PIN '6666' is saved in the database
3. The new PIN '7777' is saved in the database

Test happy path

Test also failure condition (step 9)