

CS 3331 Use Case Template

USE CASE # 003	Change PIN
• Main objective	Allows the user to change the PIN for their card
Scope and level	Main because this achieves a specific user goal that is changing the pin associated to your account
Preconditions	<ul style="list-style-type: none"> - User must have an bank account - User must be logged in somehow via card or current pin
Condition for a success final	<ul style="list-style-type: none"> - New pin is saved into the user's account and replaces the old one
Actors	User in front of an ATM
Trigger condition (event)	User selecting the "change pin" menu on an ATM

For the scenarios use the following template

Scenario name:

Ok or UC name with specific characteristic

**Note: one action/response x
line**

	Actor action	System Response
1	User inserts ATM card.	////////
2		System verifies ATM card is a valid card.
		System prompts for a pin number associated with account.
3	/////	
4	User enters the pin.	
5		System verifies the pin.
6		System displays main menu.
7	User selects change pin.	
8		System prompts for a new pin
9	User enters new pin	
10		System prompts for pin again

11	User enters same pin again	
12		System verifies if the two pins are the same
13		System updates the current pin as the new pin
14		System returns to the main menu

* Do not write actions and responses in the same row

* use one row per system response

Sub-flows address how to handle failed verifications

- you need a sub-flow for each of the verifications in the scenario
- There are two possible options: 1. being able to handle errors or
2. Send a message and terminate UC
- A sub-flow follows the same rules as a scenario.
- Start your scenario with the same number of the associated verification activity and write the same verification activity
- Sub-flows may also include actors inputs if needed
- An example of a sub-flow that deals with errors and comebacks to step in the main

flow

Sub-flow name: Verification atm card read

	Actor action	System Response
#2		System verifies ATM card is a valid card.
#2.1		System detects ATM card is not valid card
#2.2		System spits out card
#2.3		System displays Invalid card
#2.4		Goto 1

Sub-flow name: Verification pin fail

	Actor action	System Response
#4		System verifies the pin.
#4.1		System sees that user entered pin != actual pin associated with account
#4.2		System displays Invalid pin
#4.3		Goto 2

Sub-flow name: Main menu verification

	Actor action	System Response
#6		System displays main menu.
#7	User exits the main menu	
#7.1		System displays that it logged out of the account
#7.3		Terminate UC

Sub-flow name: New Pin verification

Actor action System Response

#12		System verifies if the two pins are the same
#12.1		System says no
#12.2		Display error
#12.3		Goto 6 (main menu)

Alternate Scenarios: other ways to provide the same service (use case)

Pin change at bank

Alternate scenario name:

Mobile app PIN change

Use the following checklist

Category	Criteria	Pass Y/N	Comment
Steps	are numbered	yes	Steps are numbered correctly
	sequential order	yes	Steps follow typical logical order
	Sub-flow # starts with the verification activity number	yes	Matches main flow steps
	Start with an actor or system + verb	yes	
Flow	Start with an actor	yes	
	After actor action must follow system actions	yes	
	must include system verifications	yes	verification steps at 2,5,12
	Sub-flow name is the failed verification activity	yes	
Sub-flows	start number at verification action number	yes	
	must terminate the scenario or go back to the scenario	yes	labeled with goto/terminate