

# Homework 7: Scenario Testing

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## **Scenario Tests:**

### **1. Standard Admin Code Change:**

TC 1.1 Admin login

TC 1.2 Add new code

TC 1.3 New code saved

### **2. Standard User Entry with Card:**

TC 2.1 Admin login

TC 2.2 Add new card

TC 2.3 New card saved

### **3. Standard User Entry with Remote Controller:**

TC 3.1 Admin login

TC 3.2 Add new remote controller

TC 3.3 New remote controller saved

## **Soap Opera Test:**

### **Standard Admin:**

A customer named Ellie buys programmable door lock to use it for her room. She installs it at her room door. She uses the default admin code to set new code. After setting the new code, she forgets the new admin code and tries to use the old default code. The code does not work, she tries it five times then the keypad becomes locked. She calls the customer service to know details about this issue. The issue gets resolved and now she can set a new code. She sets a new code and save it on a paper for further reference. She sets a new user code also. She then moves on to set the remote-control button for the lock. Instead of pressing 2 for remote

control she presses 3. She checks the manual which informs her to press 2 for remote control button. She now presses 2 which deletes all the users. Now she thinks remote control and one user is saved. But when she tries to use the user code, it does not work. She calls the customer care again and ask them about the situation. They tell her to describe each step. She then knows that she has deleted all users by pressing 3 and then 2. Now she knows what mistakes she has done.

This scenario will test the following the scenarios:

1. Setting new admin code and using the same old default code.
2. How to change code if a user forgets the code.
3. Deleting all users unexpectedly.
4. Setting admin and user code at the same time.

## **Negative Tests:**

### **1. Adding more digits for password:**

As the limit for password digits is 6 to 10. Checking for more than 10 digits will test whether the door lock still functions properly or not.

### **2. Checking low alarm function on 4.8V, 4.7V and 4.9V:**

As the low voltage alarm function will start if voltage is below 4.8. Checking it around the boundary will make sure that it is consistent.

### **3. Using more than 20 digits checking anti peeking function:**

There is a functionality for anti-peeking in which users can use innocent numbers before or after the password which can be in total 20 digits. Using more than 20 digits will ensure its reliability.

Honor Pledge:

"I pledge my honor that I have abided by the Stevens Honor System."