

# **Digital Pink Card**

## **Use Case Specification**

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In partial fulfillment of academic requirements  
for the course  
CS 191 Software Engineering I  
of the  
1<sup>st</sup> Semester, AY 2017-2018>

### ***Unique Reference:***

The documents are stored in the [<https://github.com/cadaroya/forgEE/tree/master/02-Requirements%20Engineering>].

Unique File Reference: <https://github.com/cadaroya/forgEE/blob/master/02-Requirements%20Engineering/3.0%20-%20Time%20Out.pdf>

### ***Document Purpose:***

The purpose of this document is to expound on the use case 3.0 Time out and identify all the possible scenarios that might happen when the use case is executed.

### ***Target Audience:***

This document is suited for the developers that would be working on this project, so that they could have a clear sight on what could occur and be able to plan ahead.

### ***Revision Control***

#### ***History Revision:***

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Modification</i></b>
10/09/17	Carlos Adrian A. Daroya	1.0	Initial document

**Use-Case Name:** 3.0. Time Out

**Description:** Upon time out, the student's session from the time in instance ends. This prompts the system to generate a report detailing how much hours were consumed/used and how much the user was charged. Time out is done by rescanning the ID with the barcode scanner.

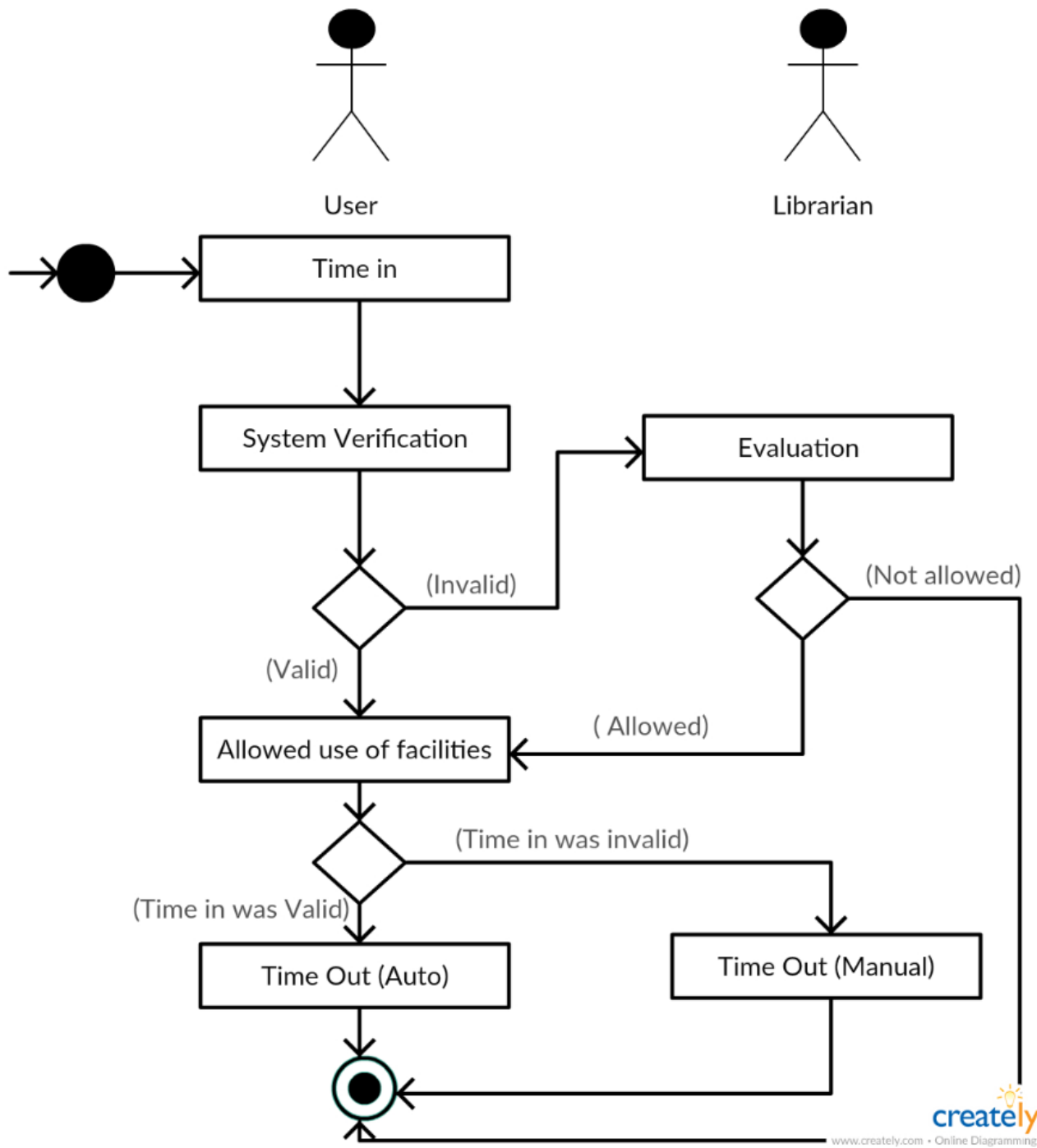
**Preconditions:** For the time out functionality to trigger, the following must have already occurred:

- Time in – time out is always paired with a time in

**Flow of Events:**

<b>Scenario Name</b>	<b>Description</b>
Scenario 1 (Basic Flow) User information is valid so the user is allowed to use facilities and time out normally	1. The user times in to begin session 2. The system verifies validity of information 3. If the time in information was valid, allow use of facilities 4. The user times out to end session
Scenario 2 (Invalid initial information) Invalid initial information causes time out to be done with librarian's help	1. The user times in to begin session 2. The system verifies validity of information 3. If time in information was invalid, librarian will evaluate first 4. Allow use of facilities 5. Time out will be done with the aid of the librarian

**Activity Diagram of the Flow of Events:**



*Postcondition:* NONE

*Relationships:* Only if the user timed out successfully can he or she time in again for future sessions.

*Special Requirements:* NONE