KFUPM, COE 445  
Assignment 4  
Deadline: Thursday 3/4/2020

Assignment Objective

1. Add fast check-in/check-out feature to your VMS
2. Check-in and check-out notification feature
3. Learn how to use git

Tasks

Task 0

In this task, you need to fork assignment5 repository from the following link  
<https://github.com/mfelemban-COE/445-assignment5>

Create a folder with your name and create a README file including your name. Then you need to create a pull request to the above repository. For further details, please consult the following link  
<https://education.github.com/guide/forks>

Task 1

Implement a fast check-in/check-out feature in your VMS application. In particular, when a new visit is created, a user is given a unique random number (e.g. 457642). The visitor should use this number in order to check himself in at the gate.

To check-in/check-out, you need to create a new page (check.html), which includes a form where the user enter the random number to check-in/check-out. When the visitor check-in or check-out, the visit entry will be updated to indicate that the visitor is "inside" or "outside" KFUPM, respectively. In the same time, the host and security officers will be notified when the visitor is checked-in or checked-out. The way of host notification is up to you (e.g. email, SMS, etc.).

Task 2

This step is similar to Task 0. To complete this task, add and commit the source code including the features implemented in Task 1 to your local repository. You need to push the code to your github, and then create a pull request to the assignment5 repository

Deliverables and Grading Criteria

You must submit a zipped folder including the Node.js project files implemented for this task. The grading criteria is as the following

* (2 points) Correctly clone, change, and create a pull request to the assignment repository
* (4 points) Implementation of fast check-in/check-out feature
* (3 points) Implementation of notification feature
* (1 points) Novelty and innovation