

## Visitor Management System

A Visitor Management System (VMS) is to systematically track and keep the record of visitors that visited a secured area in a given time. Digitizing the VMS to replace the use of paper-based solution help in retrieval of information and securing data collected efficiently.

Your team is required to develop the backend solution for a VMS based on the use-case diagram as shown in Figure 1. The job scopes include:

- Design the database model using MongoDB
- Secure the database system
- Deploy the backend server using NodeJs
- Develop all the relevant RESTful API
- Github progress and API documentation

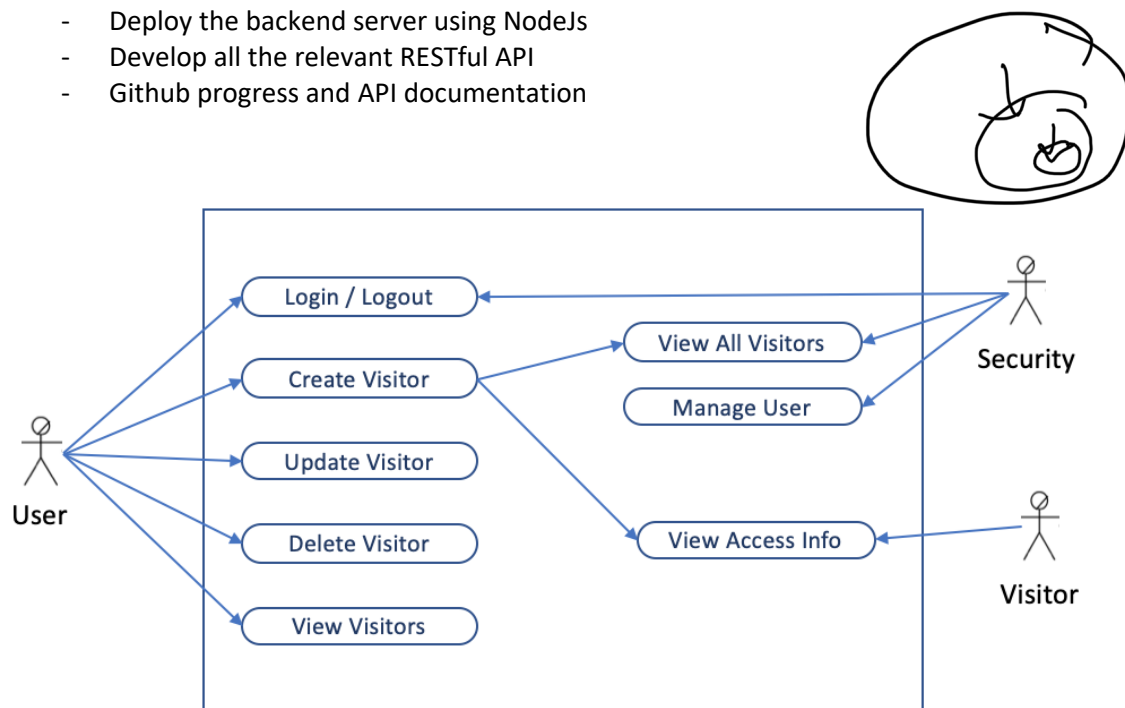


Figure 1: Use-case diagram for the proposed VMS

### Submission

At the end of the project, a report needs to be produced which includes the introduction of your project, your cloud and database and demonstration of the functionality of the proposed solution. This includes:

- The database model
- A database hosted on Mongo Atlas
- The RESTful API Sequence Diagram
- A **RESTful server** that handles all the request from client

### Due Date

The due date of the submission of the assignment is by Week 15.