

CSC3132: Web Application Development

ICAE 02

Department of Physical Science

Faculty of Applied Science, University of Vavuniya

Answer All Questions

Duration: 1 hour

17th of December 2023

Please utilise the partially completed project given in the shared drive.

University of Vavuniya has built a new parking facility to accommodate 50 vehicles simultaneously. The security guard of the parking faces difficulty in managing parking slots, so the university administration needs software to tackle this issue. Your friend has devised a solution, building a parking management web application. He completed the interface as depicted in Figure 1, database, and some basic backend functions, and requested you to complete the following tasks.



Figure 1 Screen capture of the parking app

1. The parking view shows the occupied and unoccupied parking slots along with parked vehicle numbers or empty and differencing with colours. [30 mark]
2. The control panel is used to allocate and free the slot.
 - a. To allocate, the slot and vehicle number should be given and both fields should not be empty. [30 mark]
 - b. Before allocating a slot validate the availability as illustrated in Figure 2. [20 mark]

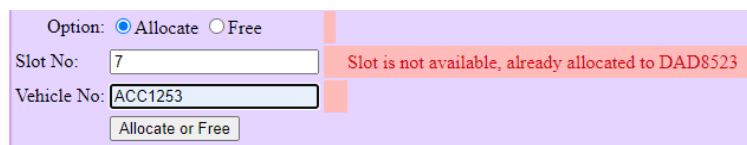


Figure 2 the slot occupied error message

- c. To free, only the slot number should be given and the field should not be empty. [20 mark]