

Pearson Institute of Higher Education

**Object-Oriented Systems Analysis and
Design**

ITOO311 – Take Home Test

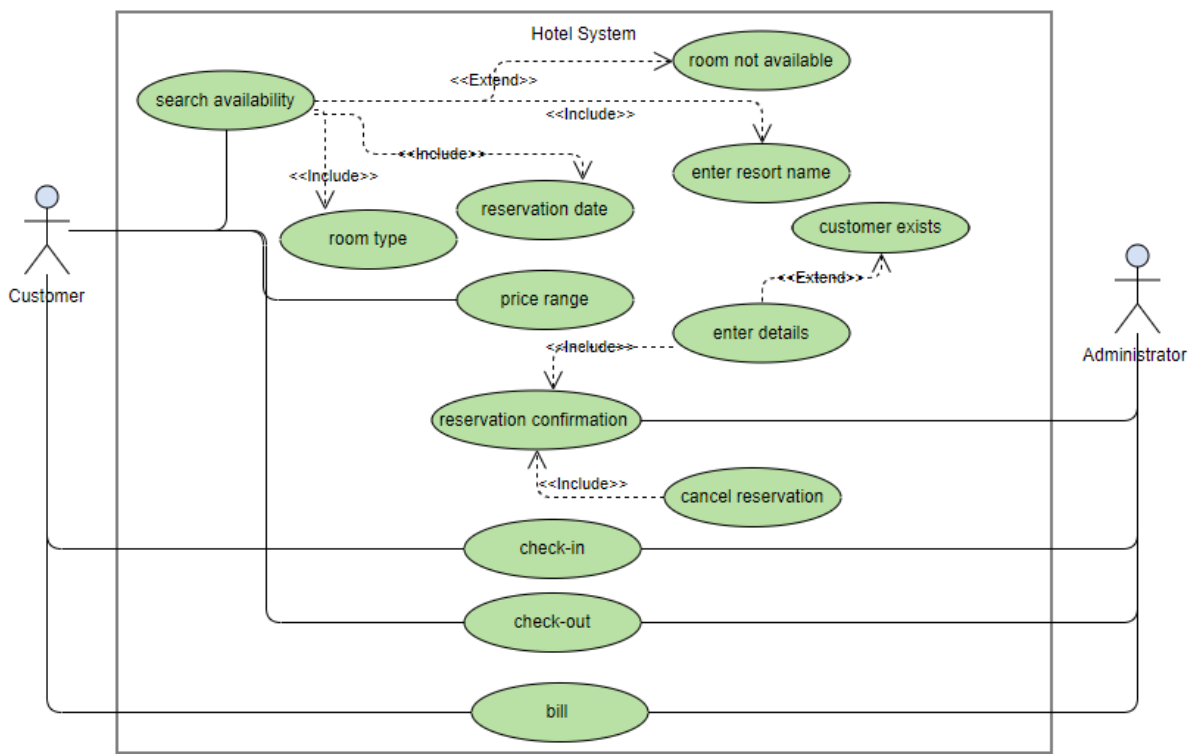
Nompumelelo Mtshatsheni – Student Number: BXMDLL7W9
4-30-2020

Section A

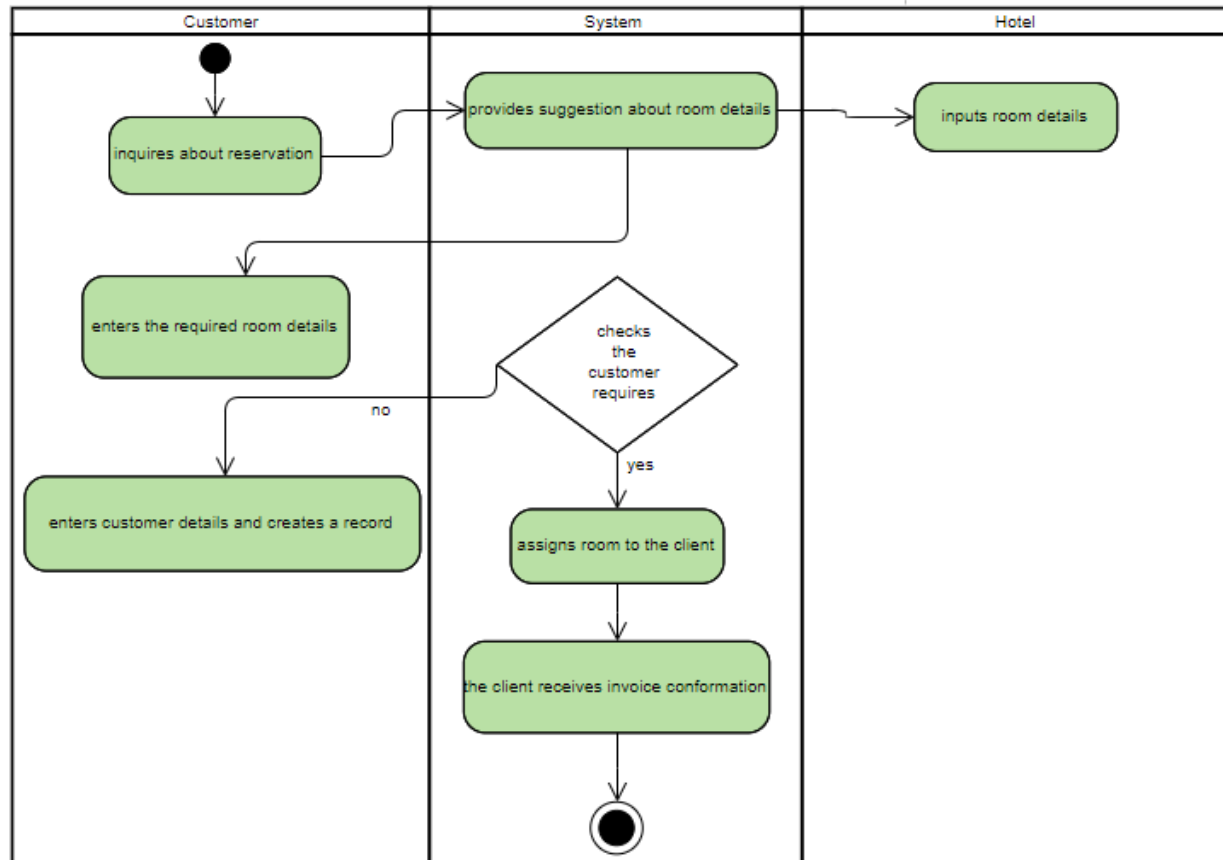
Question 1

Functional requirements	Non-functional requirements
Enough business marketing	Able to maintain the resort
The administration functions well	Reliable to the customers
The ability to make enough transaction in a month	Able to accommodate more than 500 people

Question 2 - Use-case diagram

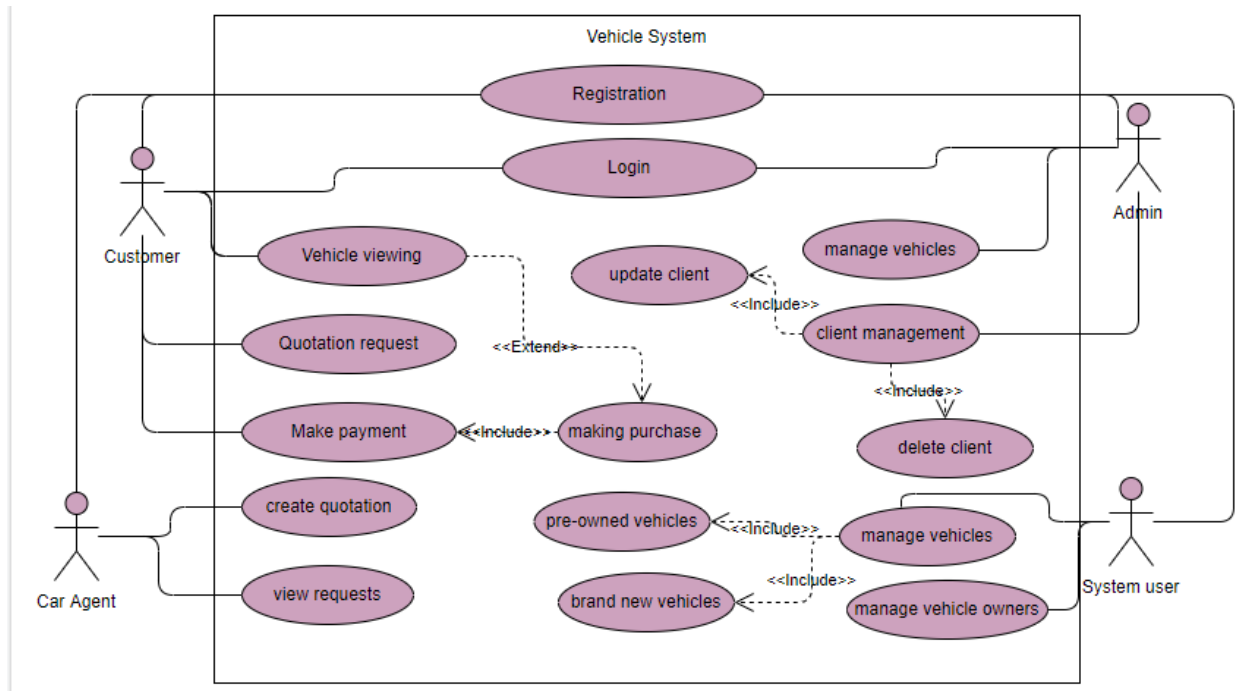


Question 3 – Activity diagram

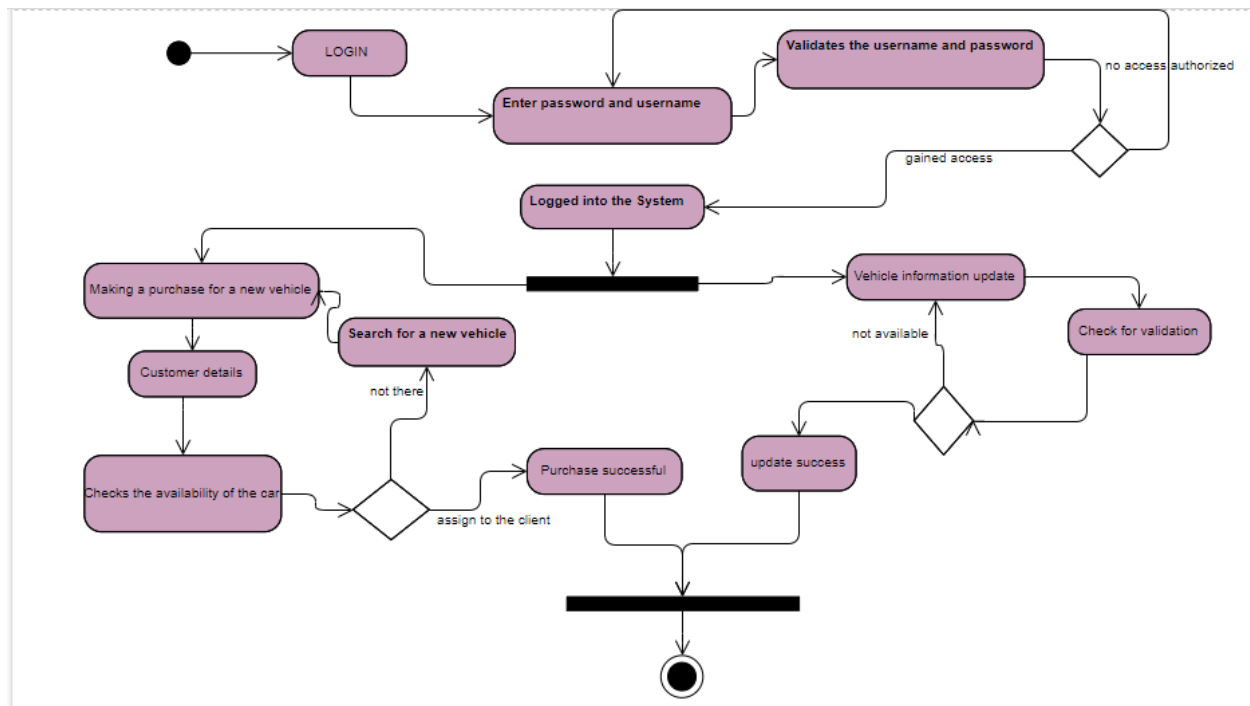


Section B

Question 4



Question 5

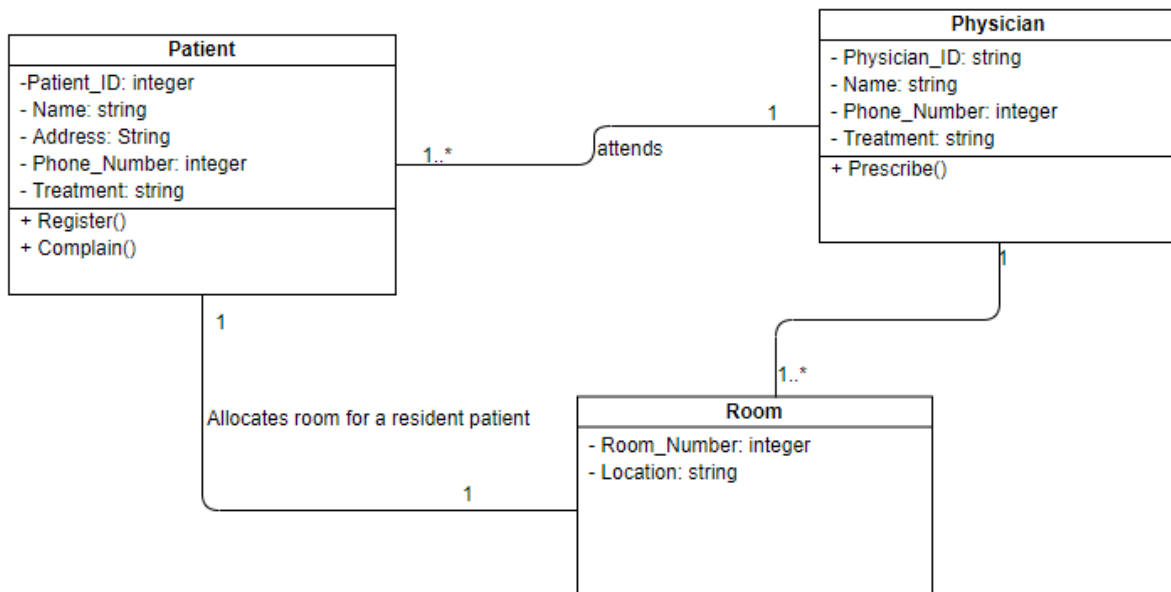


Section C

Question 7

7.1 It illustrates the relationships and source code dependencies among classes in the UML, also outlines the methods and variables in an object, which is a specific entity in a program or the unit of code representing that entity.

7.2



Question 8

8.1 It is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. The use cases, which are the specific roles played by the actors within and around the system

8.2

