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| **Pearson Institute of Higher Education** |
| **Object-Oriented Systems Analysis and Design** |
| **ITOO311 – Take Home Test** |

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Section A

Question 1

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| 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

A close up of a map

Description automatically generated

Question 3 – Activity diagram

A screenshot of a cell phone

Description automatically generated

Section B

Question 4

A close up of text on a white background

Description automatically generated

Question 5

A close up of a map

Description automatically generated

Section C

Question 7

7.1 It illustration of 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

A screenshot of a cell phone

Description automatically generated

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

A picture containing text, map

Description automatically generated