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Aim:

Draw an Activity diagram with Swim lanes using UML2.0 Notations for major Use Cases.

Objective:

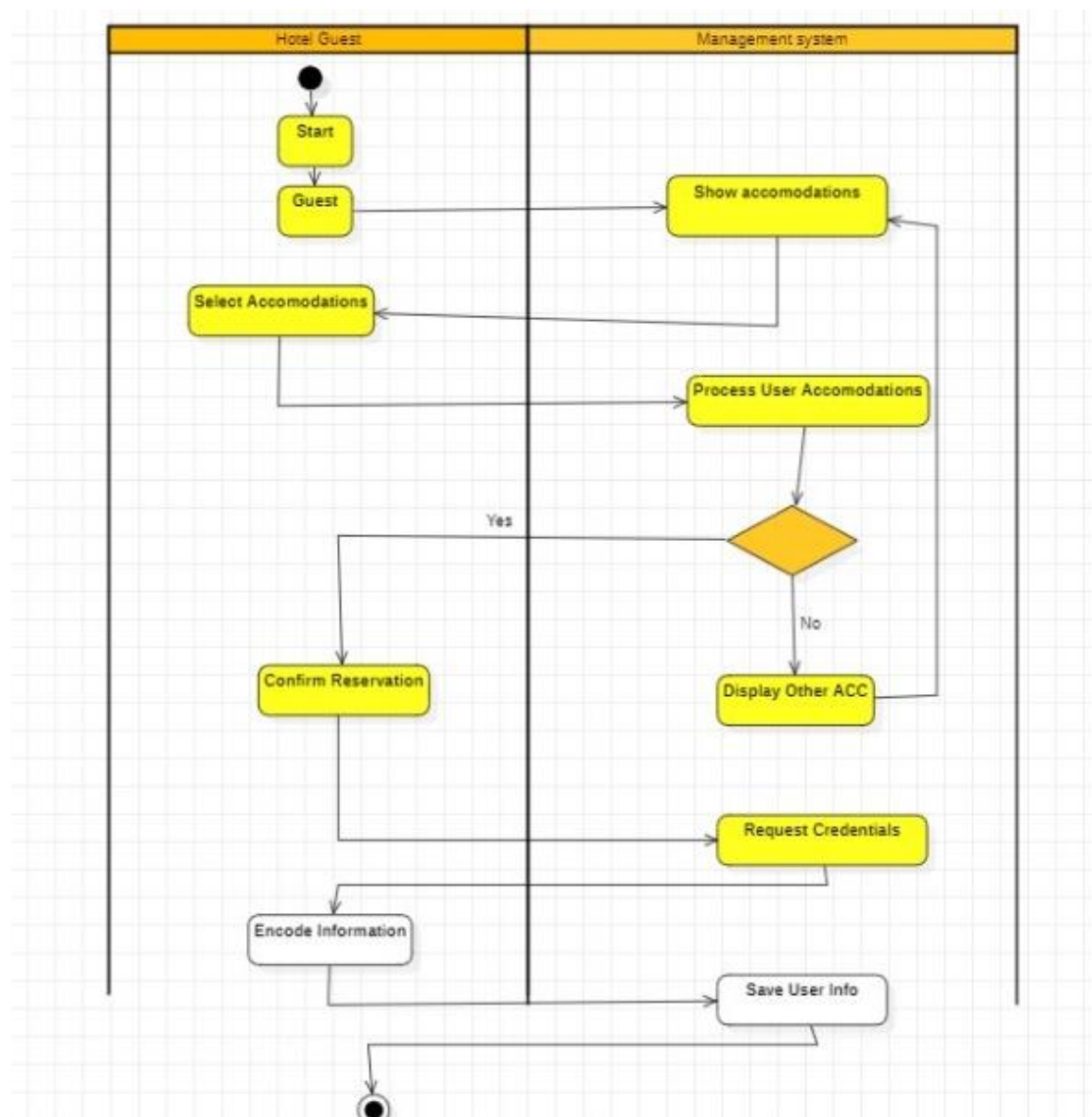
Implementation of activity diagram with Swim lanes using UML2.0 Notations for major Use Cases.

Theory:

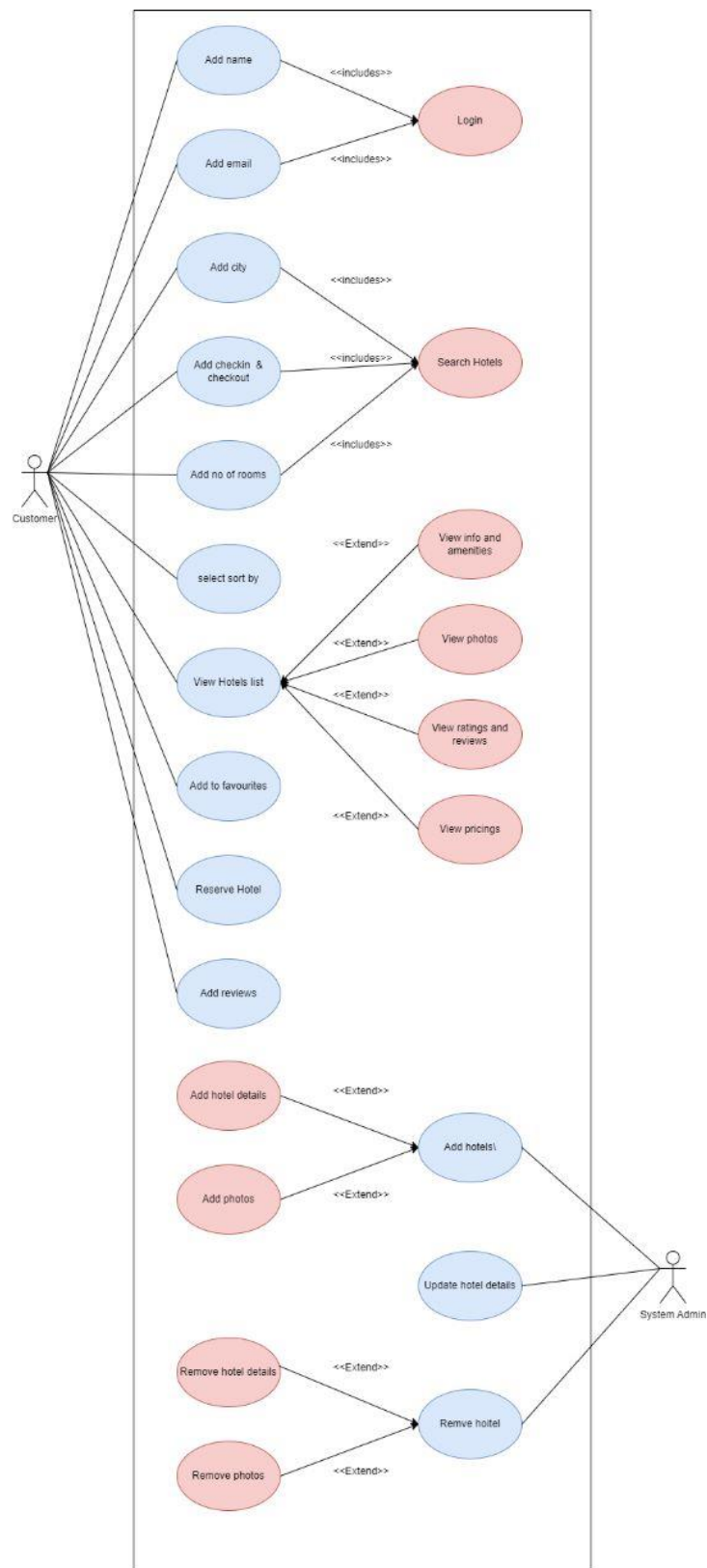
Activity Diagrams describe how activities are coordinated to provide a service which can be at different levels of abstraction. Typically, an event needs to be achieved by some operations, particularly where the operation is intended to achieve a number of different things that require coordination, or how the events in a single use case relate to one another, in particular, use cases where activities may overlap and require coordination. It is also suitable for modelling how a collection of use cases coordinates to represent business workflows

1. Identify candidate use cases, through the examination of business workflows.
2. Identify pre- and post-conditions (the context) for use cases
3. Model workflows between/within use cases.
4. Model complex workflows in operations on objects.
5. Model in detail complex activities in a high-level activity Diagram.

Activity Diagram:



Use Case Diagram:



Conclusion:

Designed Activity Diagram with swim lane (vertical).