

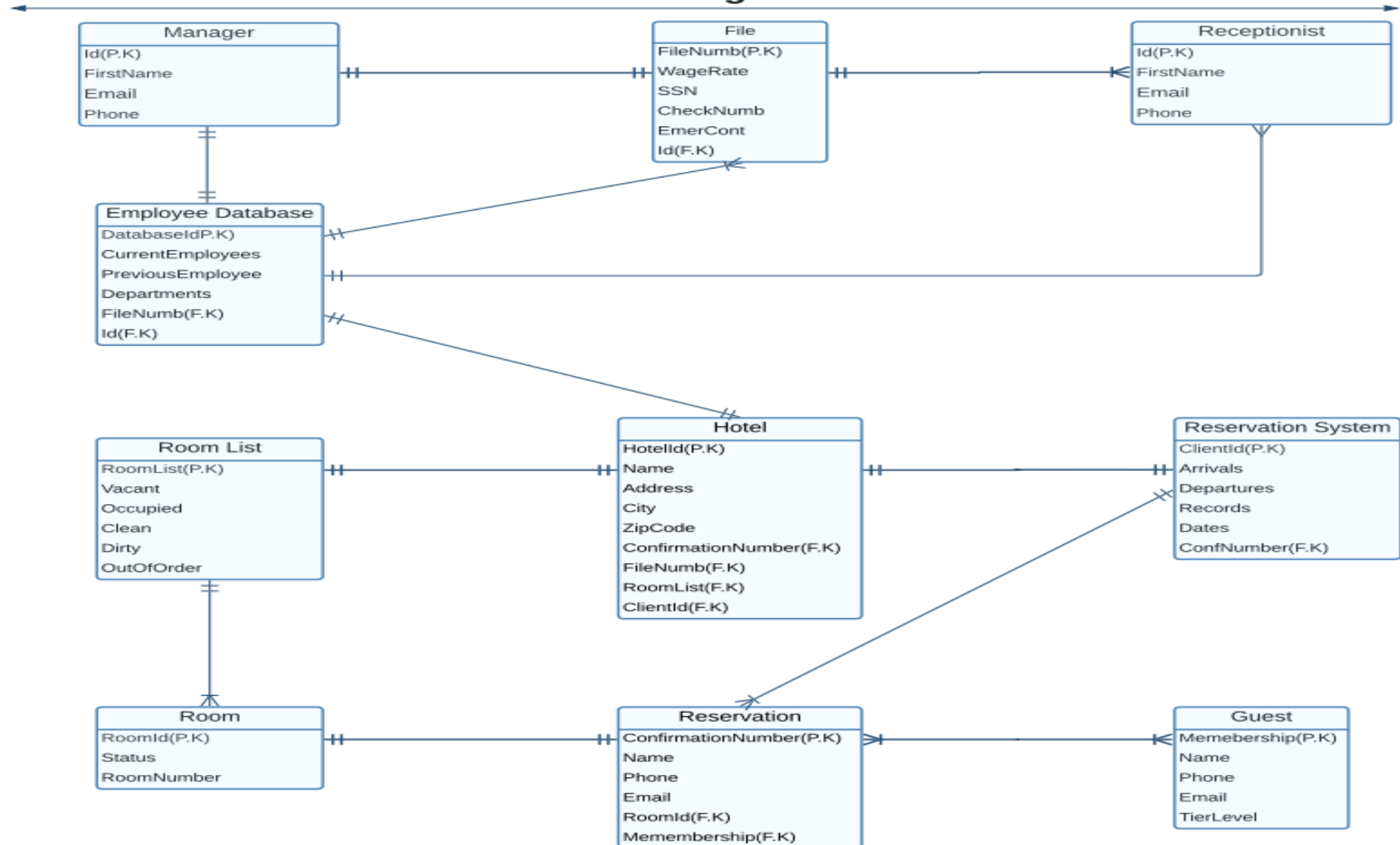
HOTEL OPERATION SYSTEM

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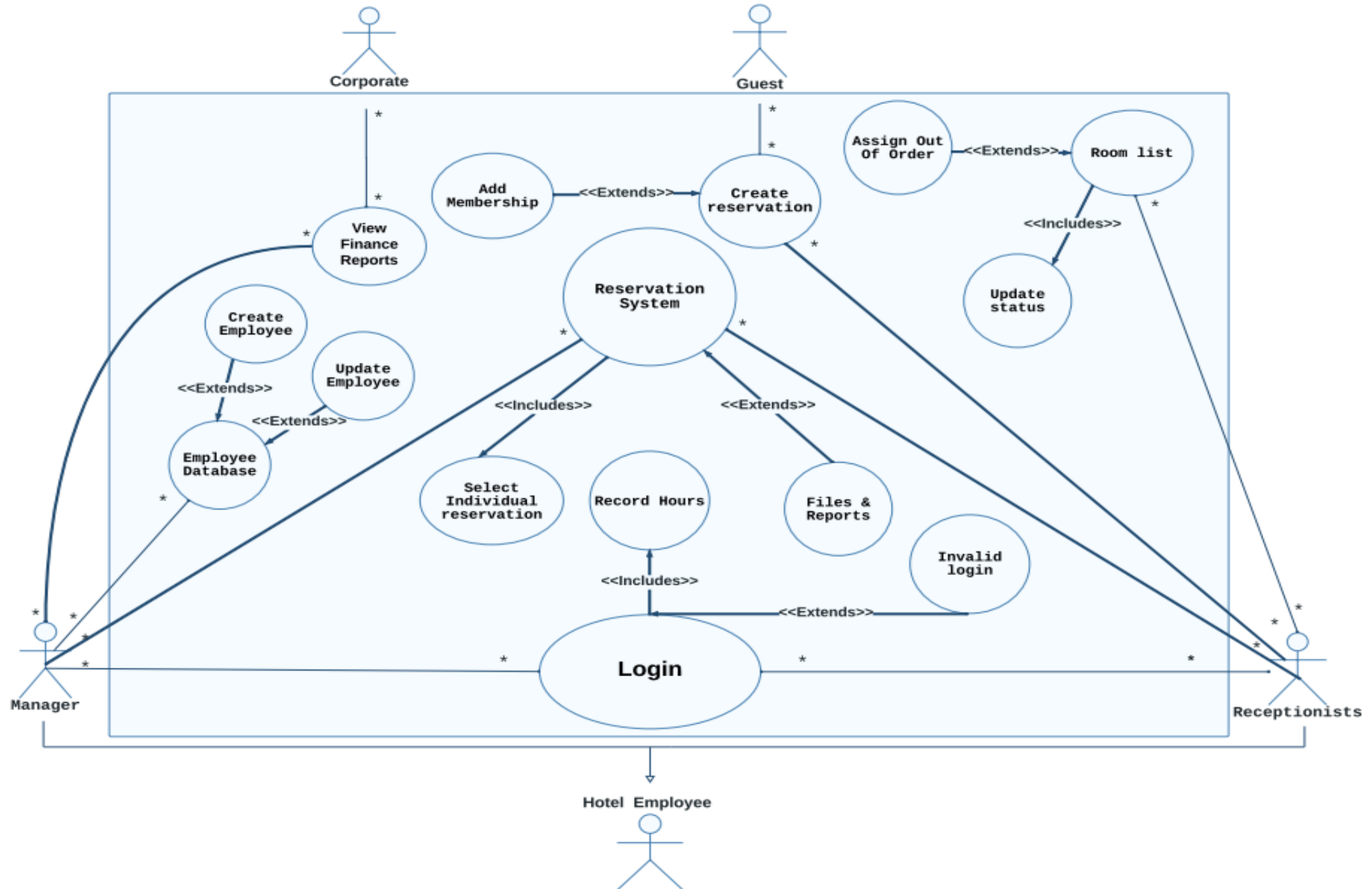
INTRODUCTION

- The following are a series of Unified Modeling Language structural diagrams to explain various processes and networks of a hotel. The diagrams take influence from the OnQ system used in various Hilton Hotels which include booking and reservation specific interactions used daily to conduct business. These images consist of Entity Relationship Diagram, Use Case, Class diagram, Context diagram, Level 0 DFD, Reservation, Login, Room List Statecharts with the accompaniment of a check in and room list sequence diagrams.

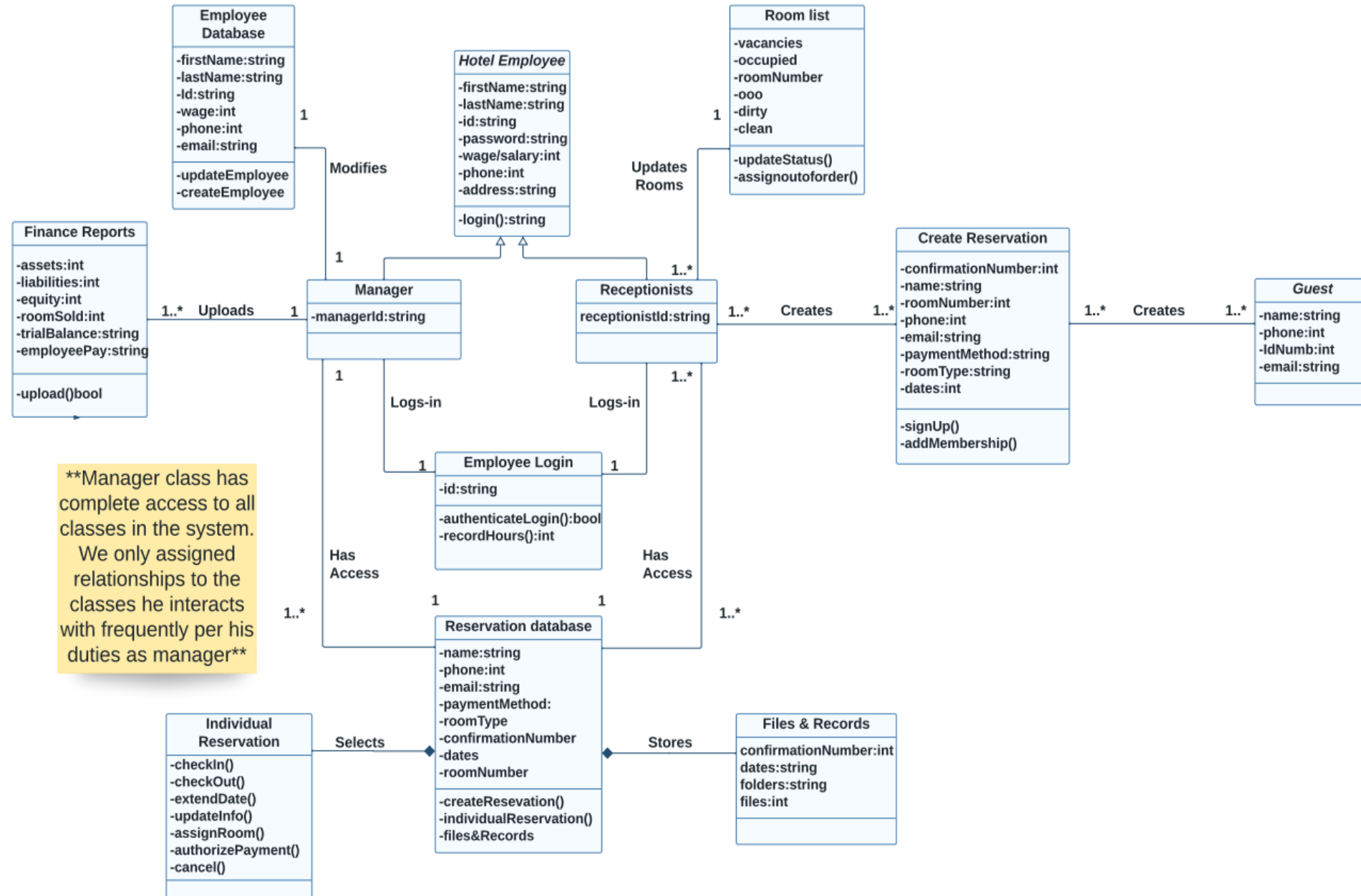
Entity Relationship Diagram



Use Case

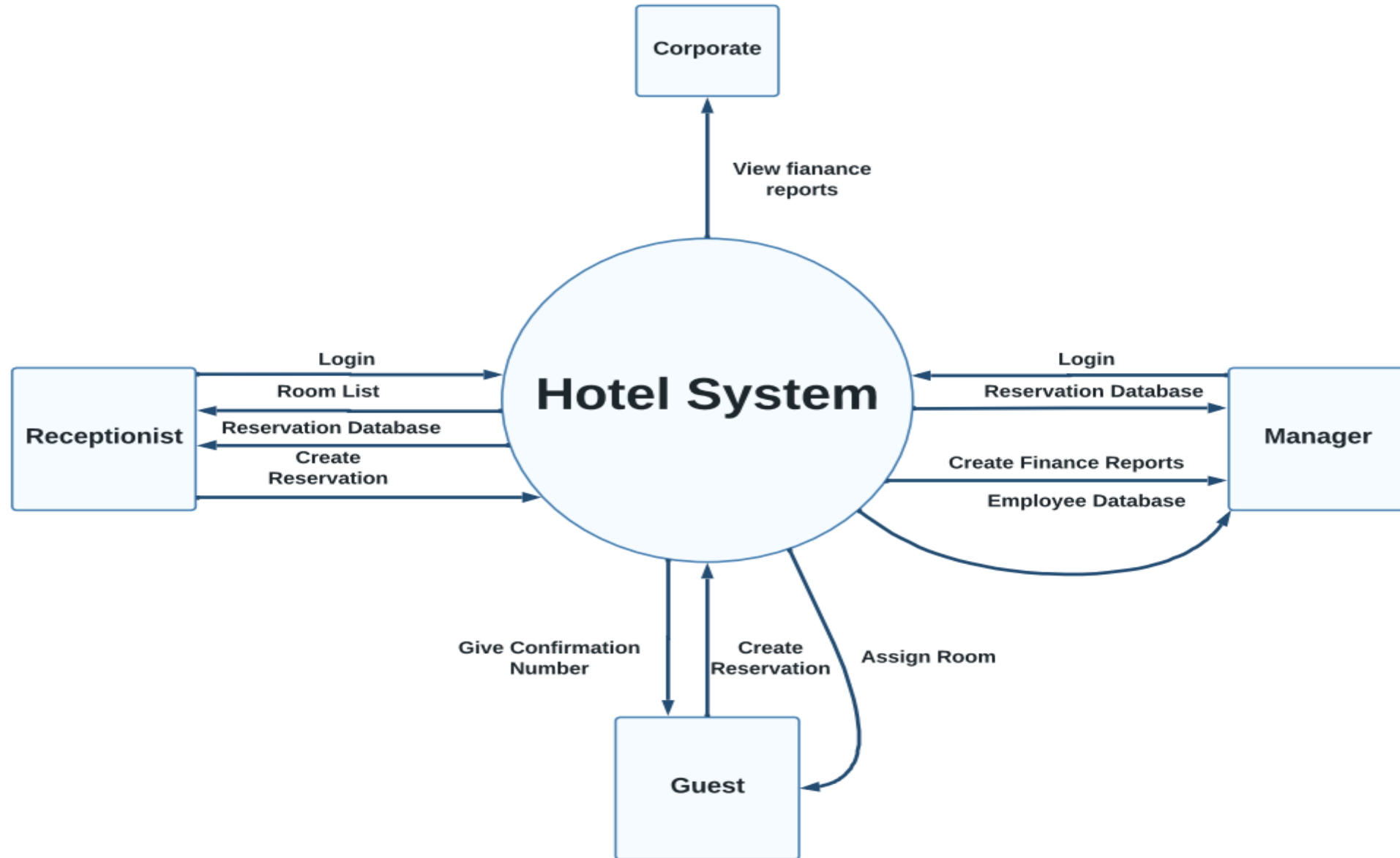


Class Diagram

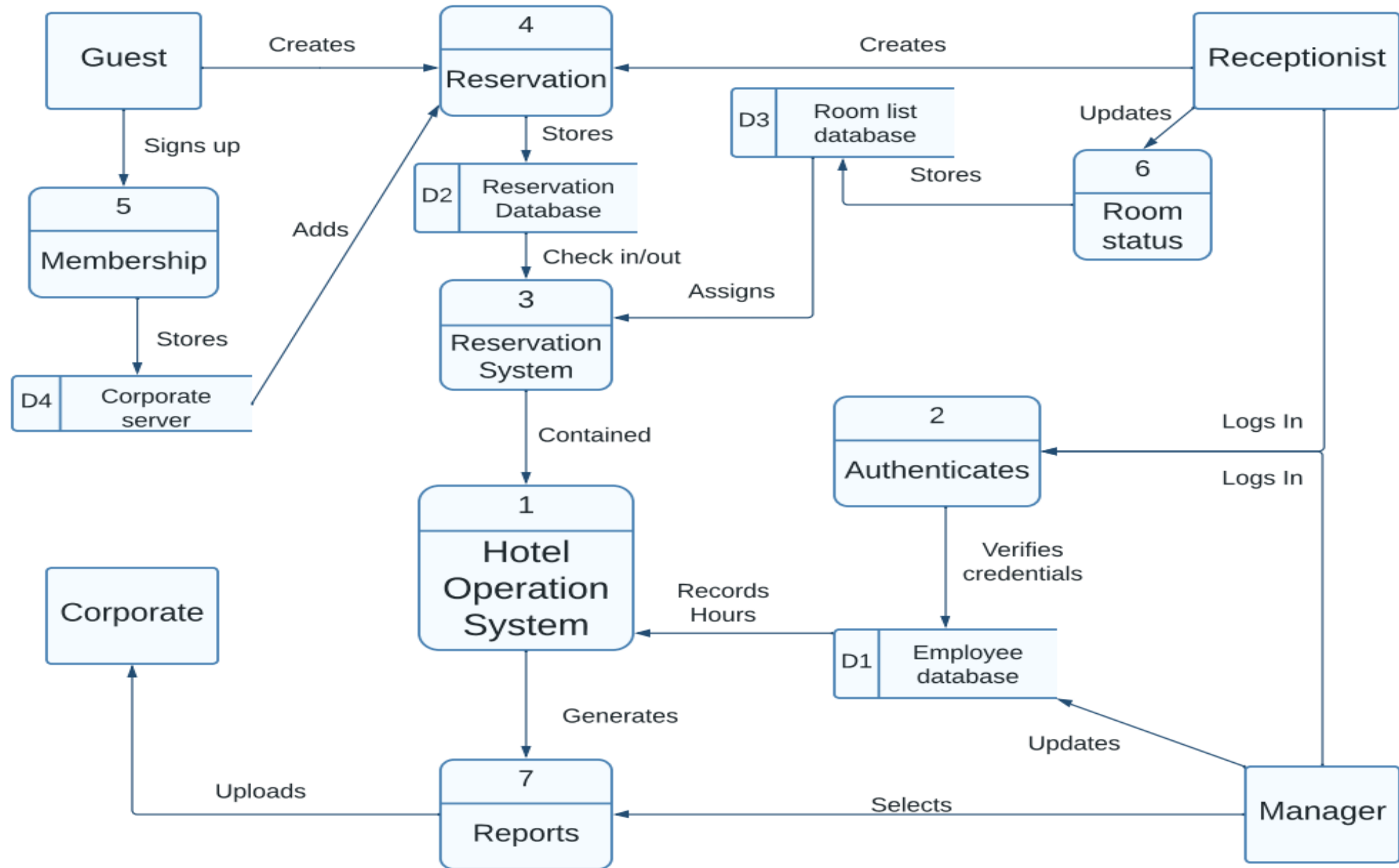


****Manager class has complete access to all classes in the system. We only assigned relationships to the classes he interacts with frequently per his duties as manager****

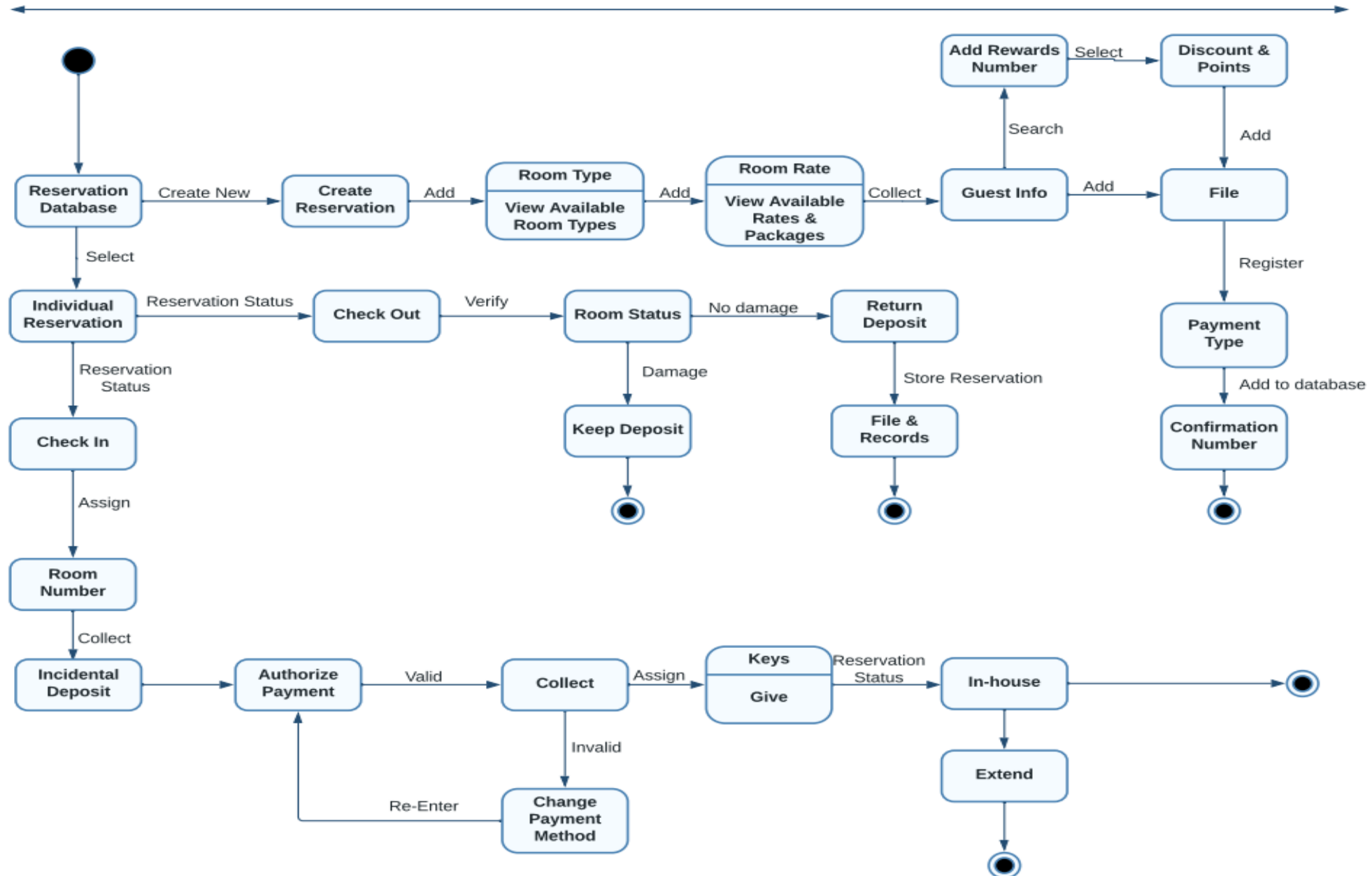
Context Diagram



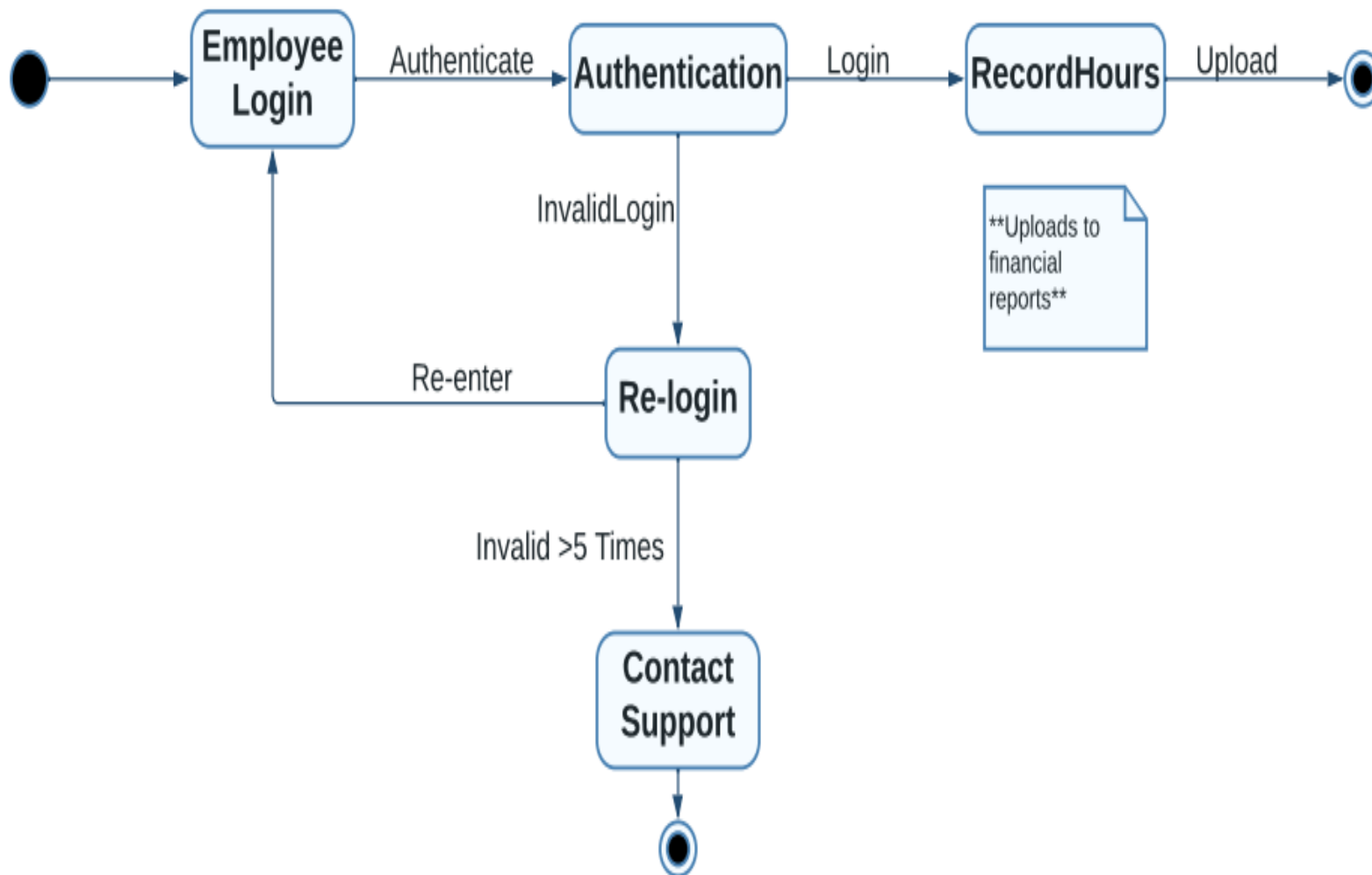
Lvel 0 DFD



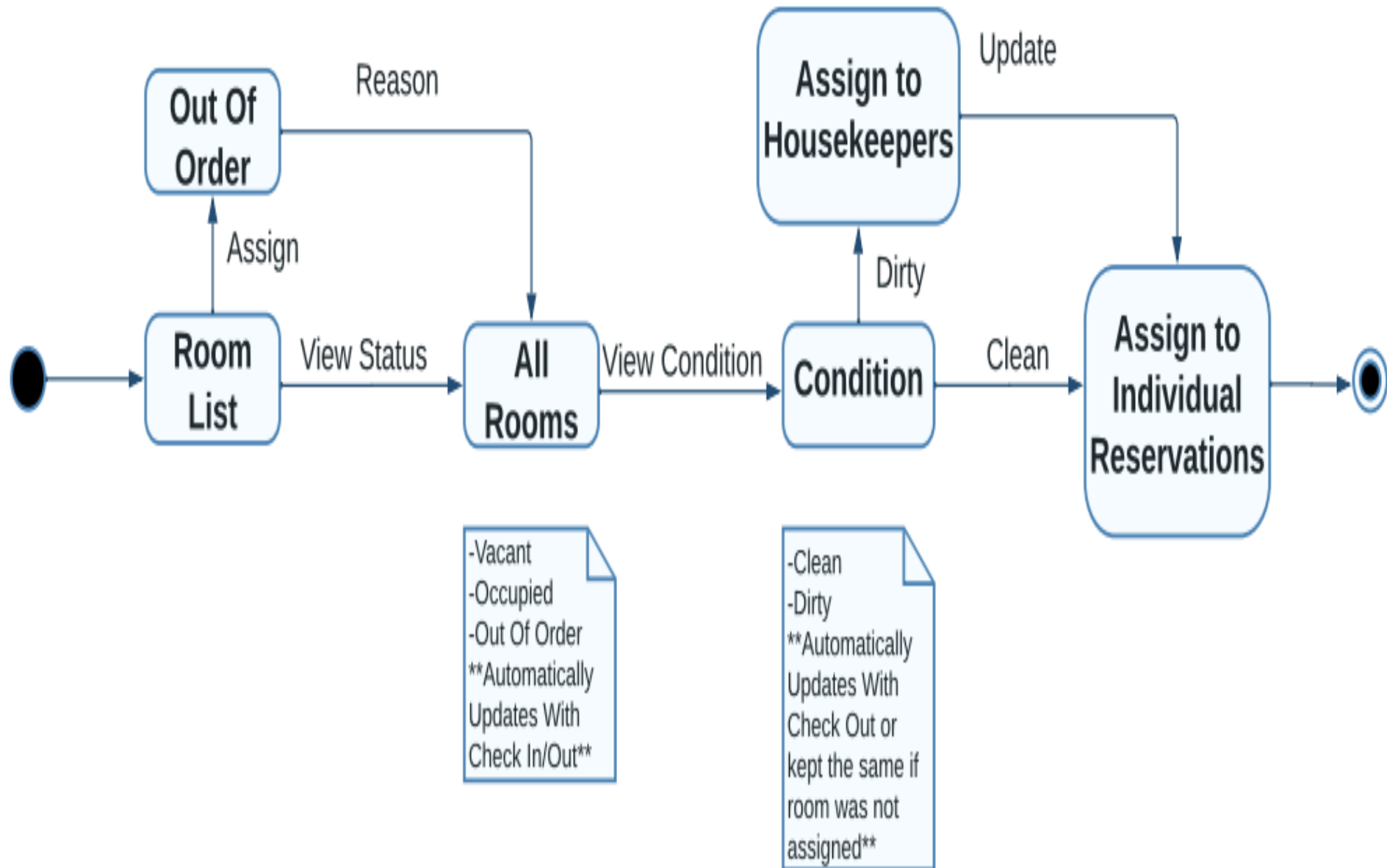
Reservation Statechart



Login Statechart



Room List Statechart



Check In/Out Sequence

