

UNITE ON WHEELS

A Car Pooling Platform

DIAGRAMS AND WORK-FLOWS

30-05-2020

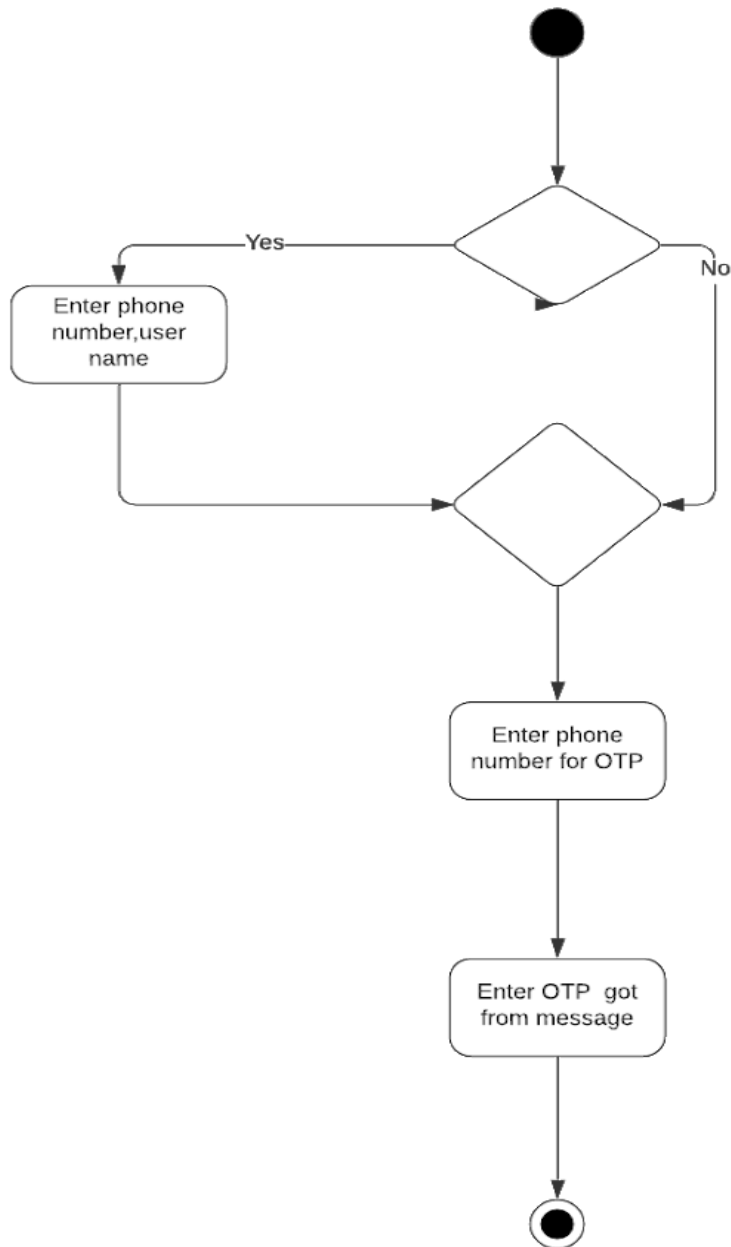
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Spring 2019

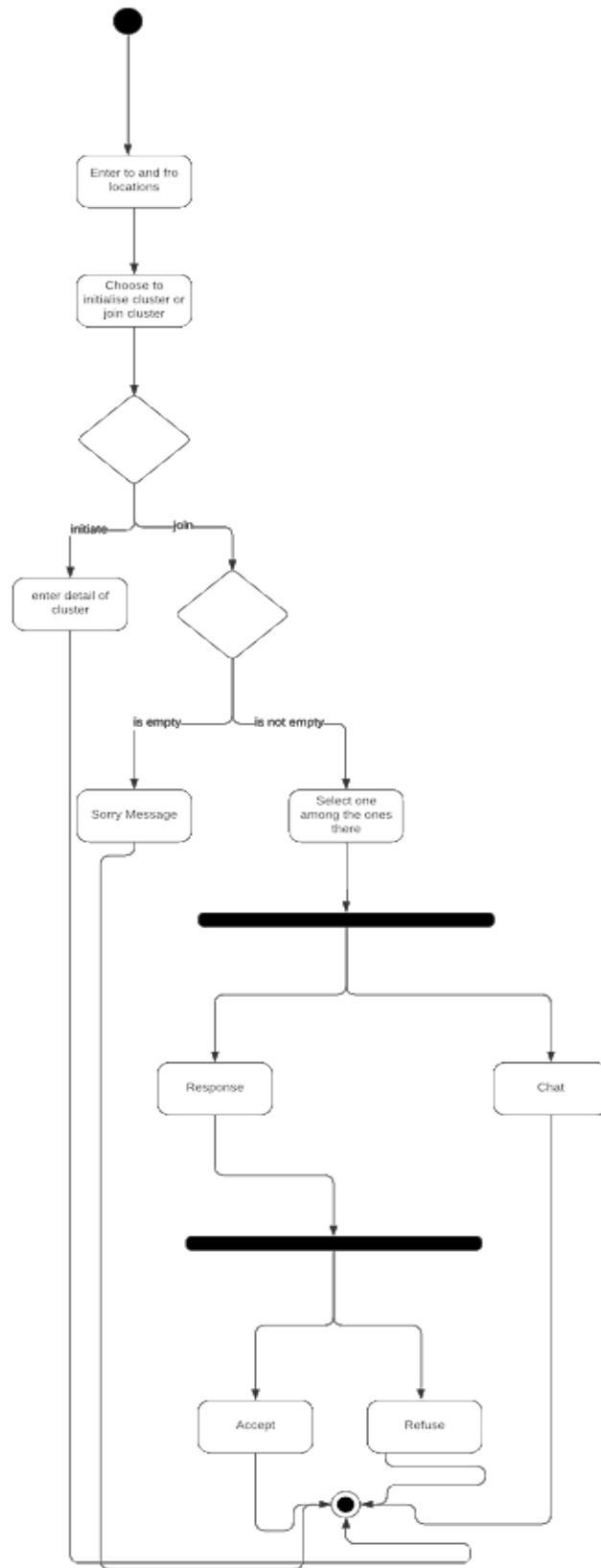
Objectives Covered

1. **Activity diagrams:** Show the activities involved in the processes or in the data processing.
2. **Use case diagrams:** Show the interactions between a system and its environment.
3. **Sequence diagrams:** Show interactions between actors and the system and between system components.
4. **Class diagrams:** Show the object classes in the system and the associations between these classes.
5. **ER diagrams:** Show different entities and relationships between them (similar to the class diagram)
6. **State diagrams:** Show how the system reacts to internal and external events.

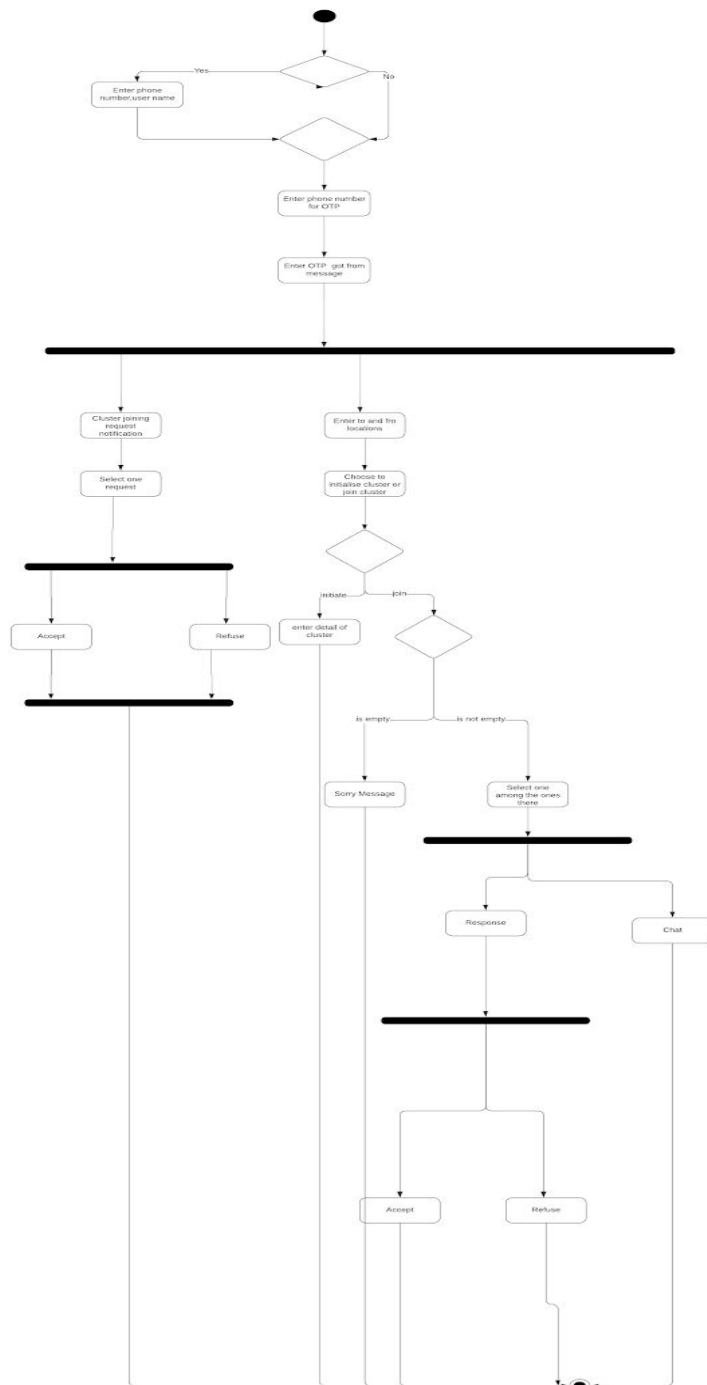
Activity diagrams



Sign Activity Diagram



Create/Join Cluster Activity

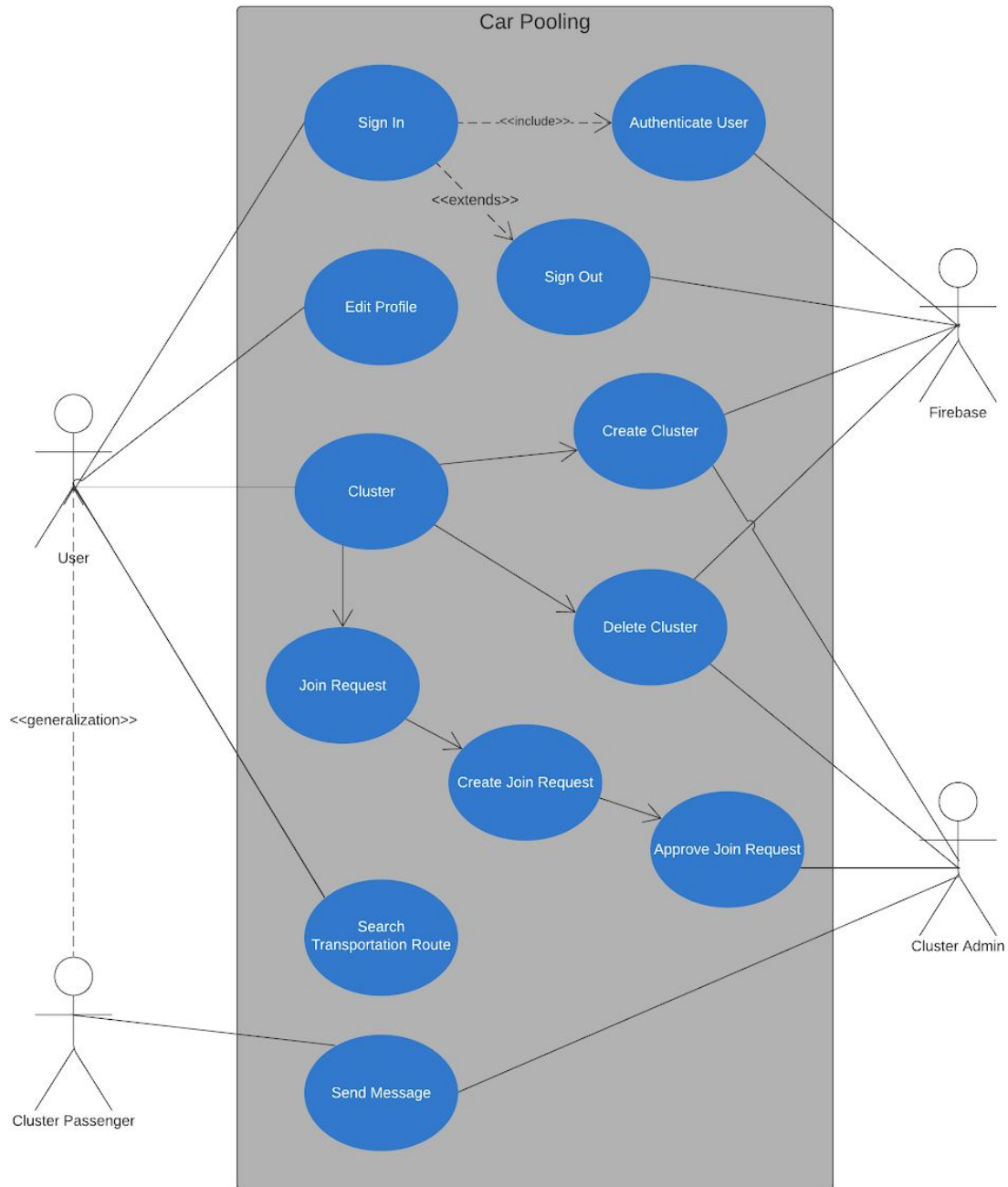


Entire Application Activity Diagram

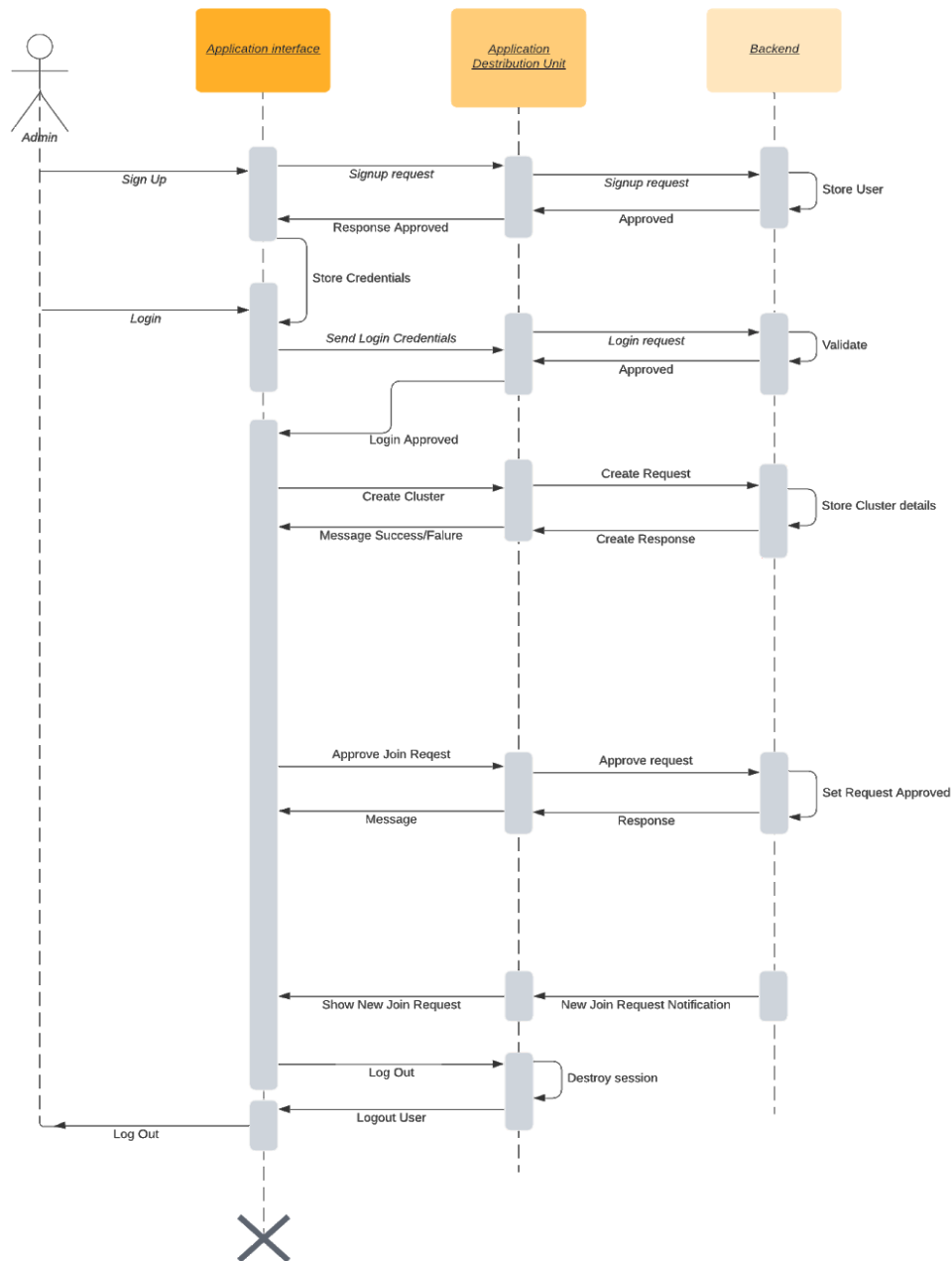
Use Case Diagram:

Car Pooling Use Case Diagram

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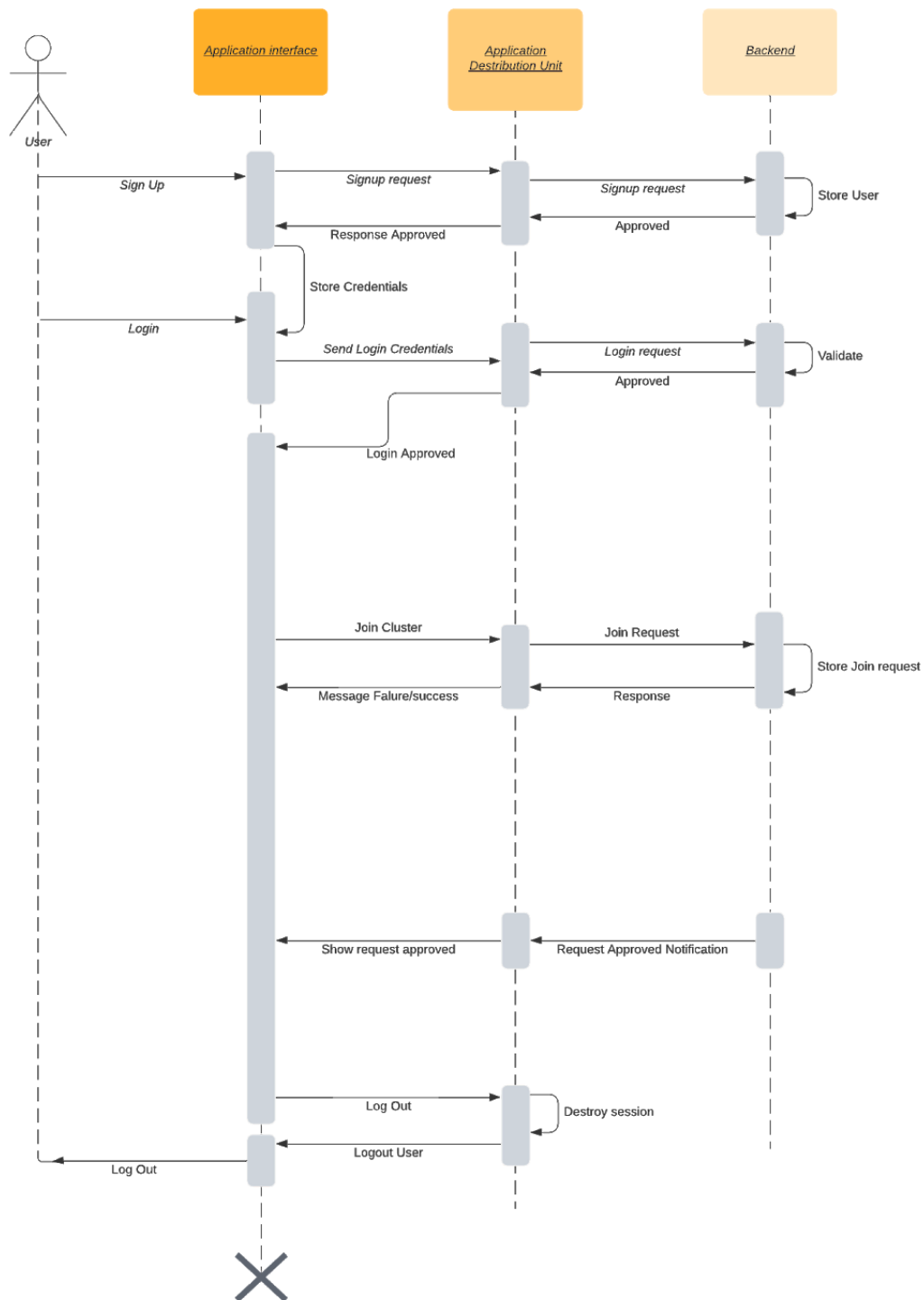


Sequence diagrams:

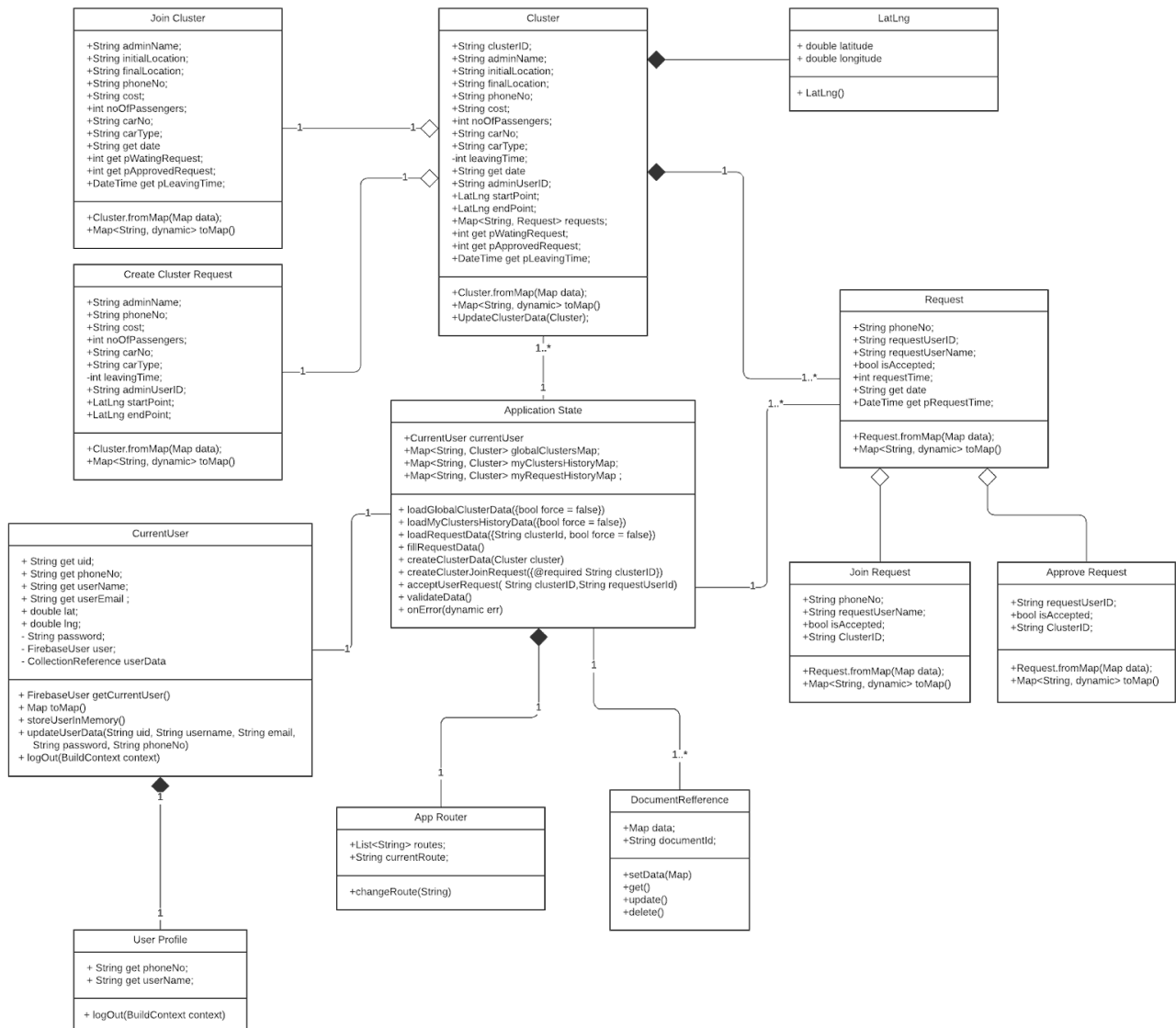


Cluster Admin

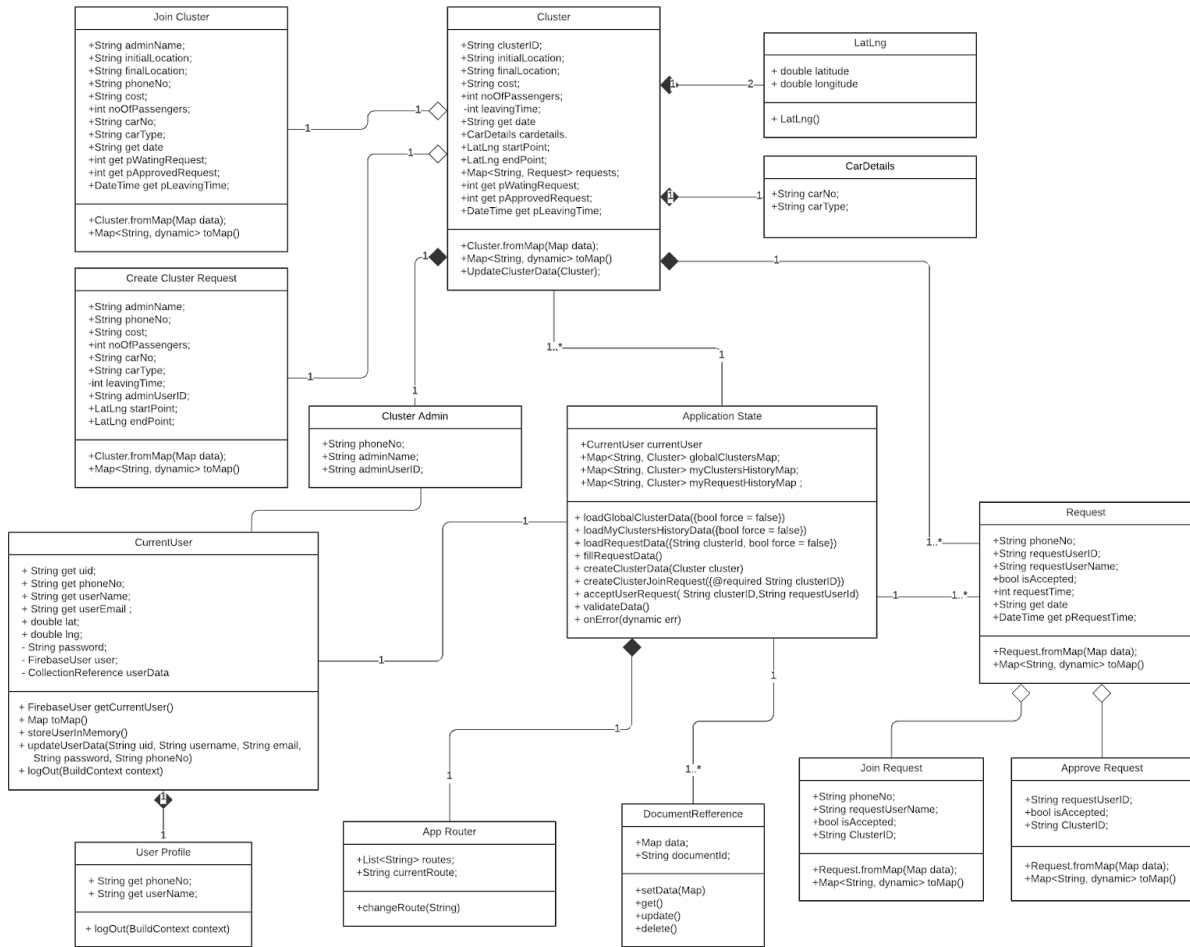
cluster passenger



Class diagrams :

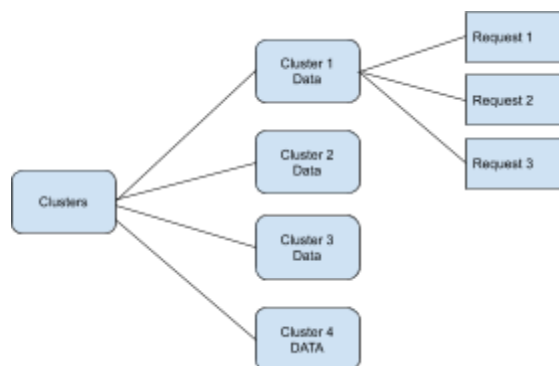
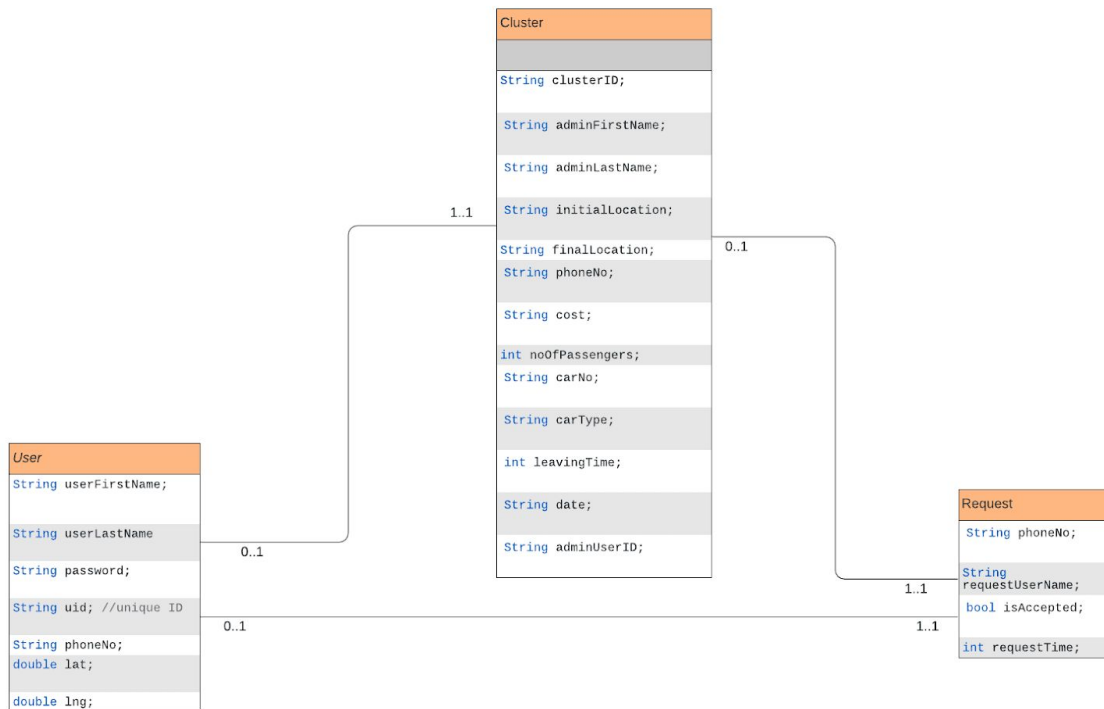


Class Diagram Iteration 1



Class Diagram Iteration 2

ER diagrams:



State transition Diagram:

