



CAB BOOKING SYSTEM

Business Flow Diagrams

Group Members:

Mpho Makhari

Sonam Kumari

~~Nokuthula~~

Mentor: Ms Dipuo



Project Outline

1. Problem Statement
2. Solution
3. Inheritance
4. Association
5. Dependency
6. Full Class Diagram
7. Question Slide



Problem Statement

CAB Booking Application

Create a class Diagram for cab
booking app.

Identify entities and their state and
behavior

Solution

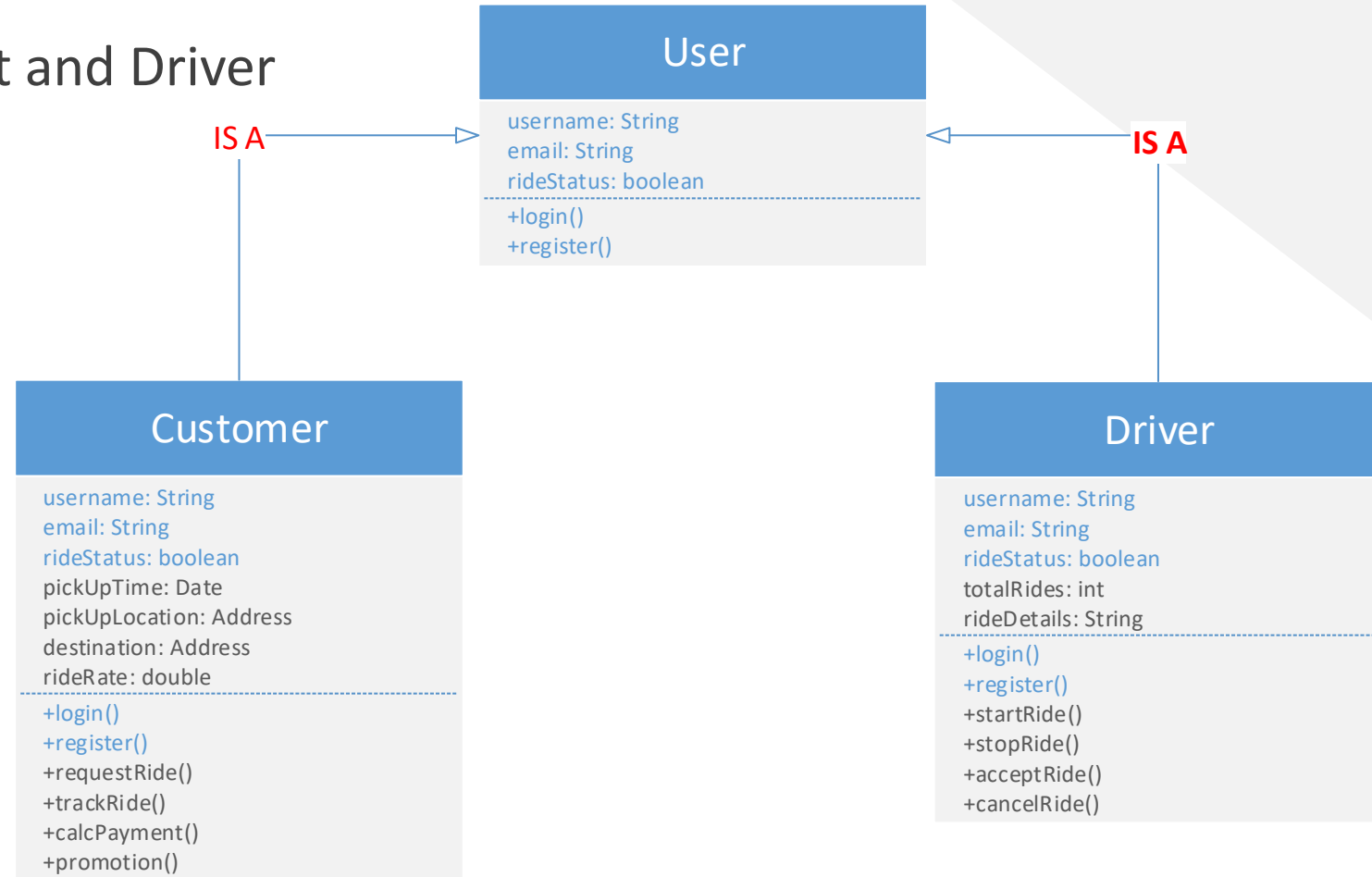
- Explored cab booking app details.
- Identified real world objects.
- Created entities for them.
- Identified fields for each entity.
- Identified methods for each entity.
- Identified relationships between entities.
- Created class Diagram in Ms Visio.



Inheritance

Inheritance is a parent-child relationship where we create a new class by using existing class code

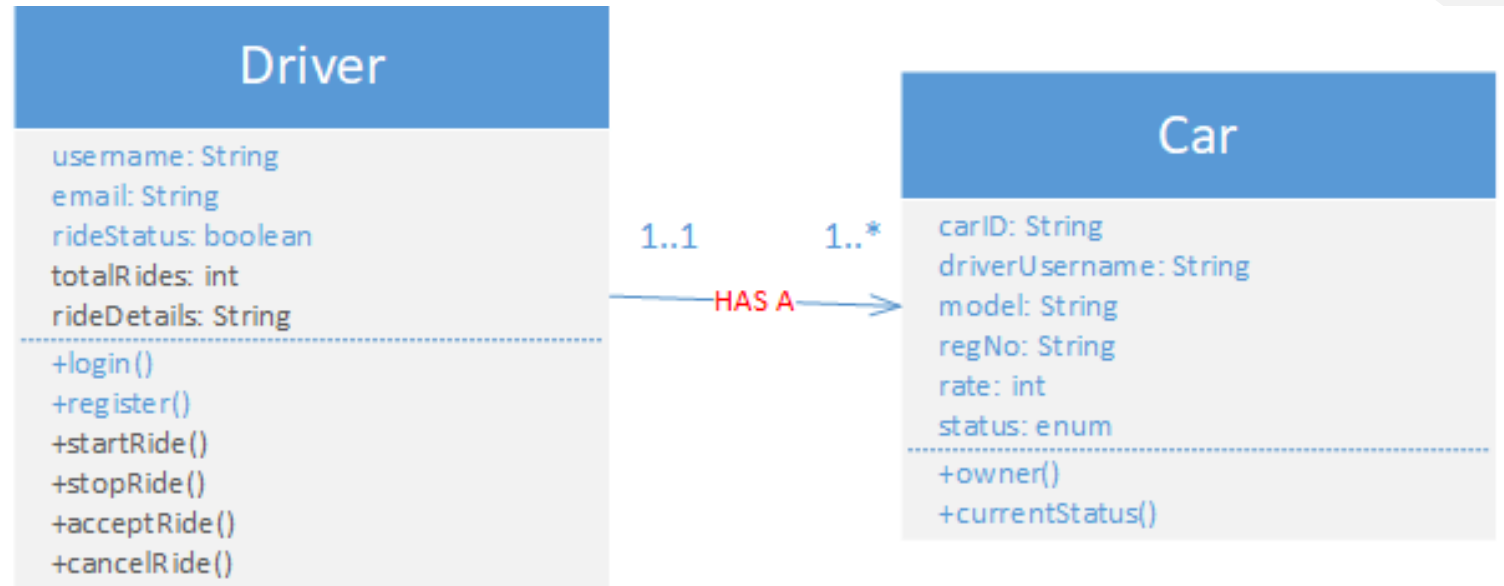
- User play one out of two roles: Client and Driver
- User is a client
- User is a driver
- User (Super type)
- Customer(Sub Type) IS-A User
- Driver(Sub Type) IS-A User



Association

Association is the relation between two separate classes *which establishes through their Objects*

- One Driver has one or many Cars



Dependency

Customer takes a ride while Driver has a ride

Customer Entity

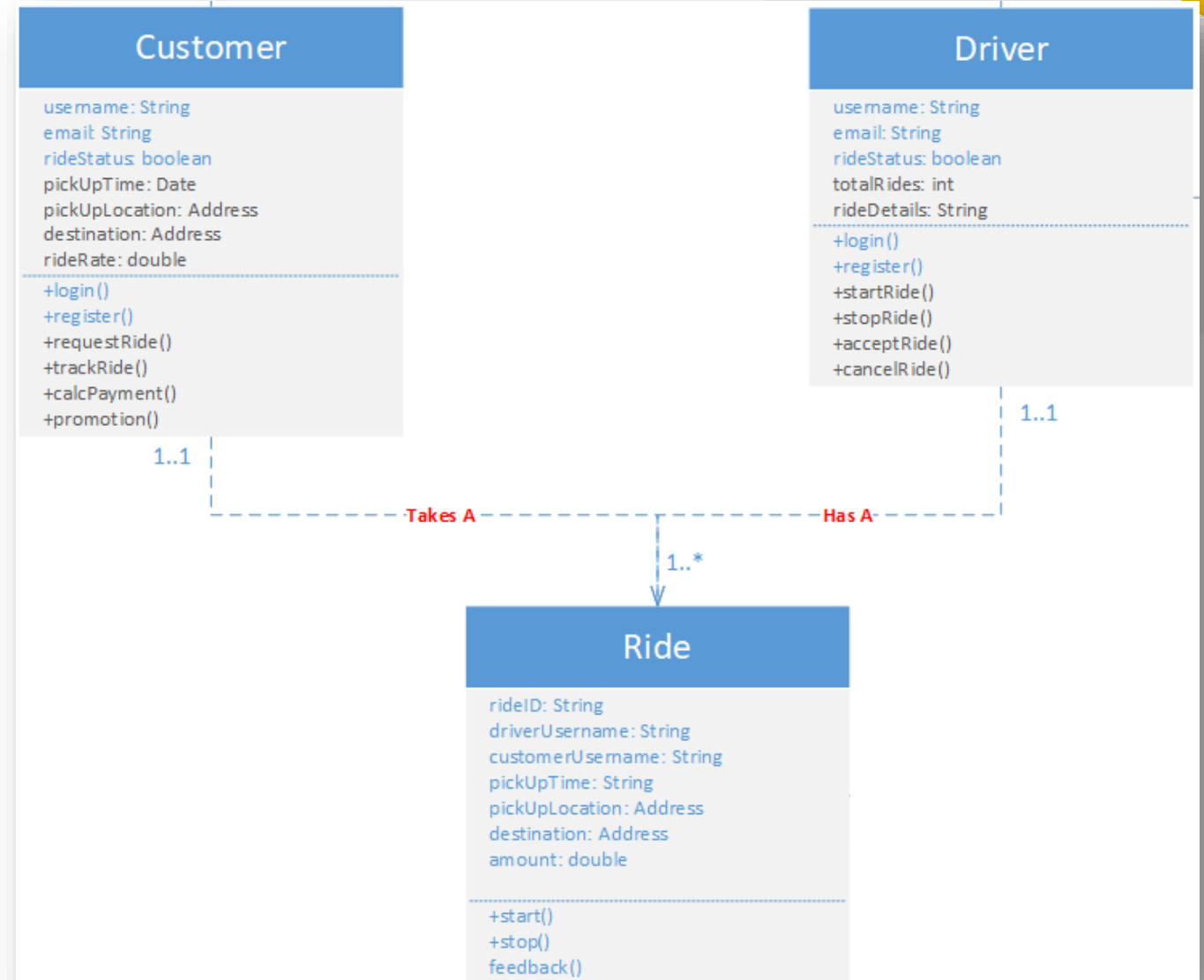
- One Customer can add many Ride request
- One Customer can take many Rides

Driver Entity

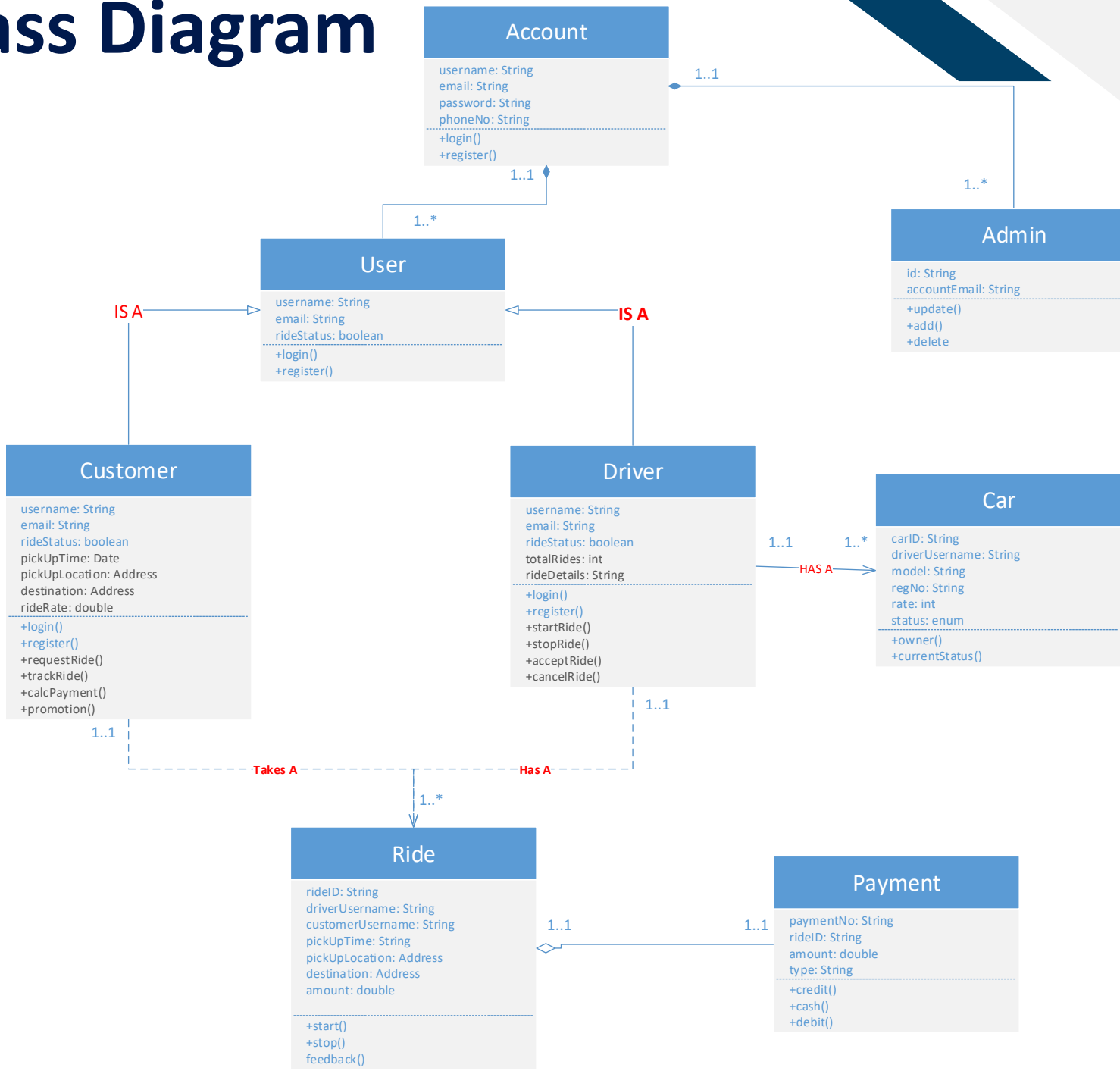
One Driver can receive many Ride request

Ride entity

- One Ride is taken by one Customer
- One trip has one driver



Full Class Diagram





Question Slide.

