# CU Night Ride

CSCI 5448 – Object Oriented Analysis and Design

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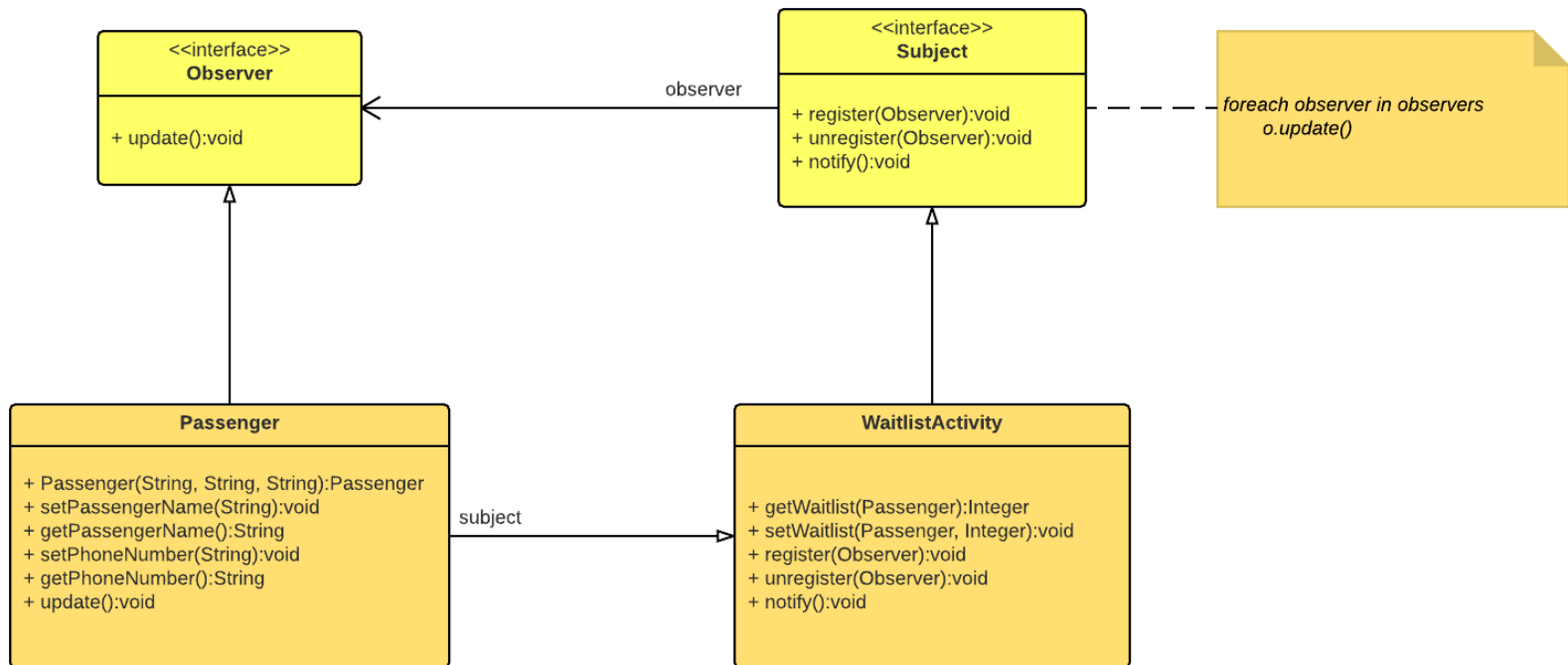
**Be Boulder.**

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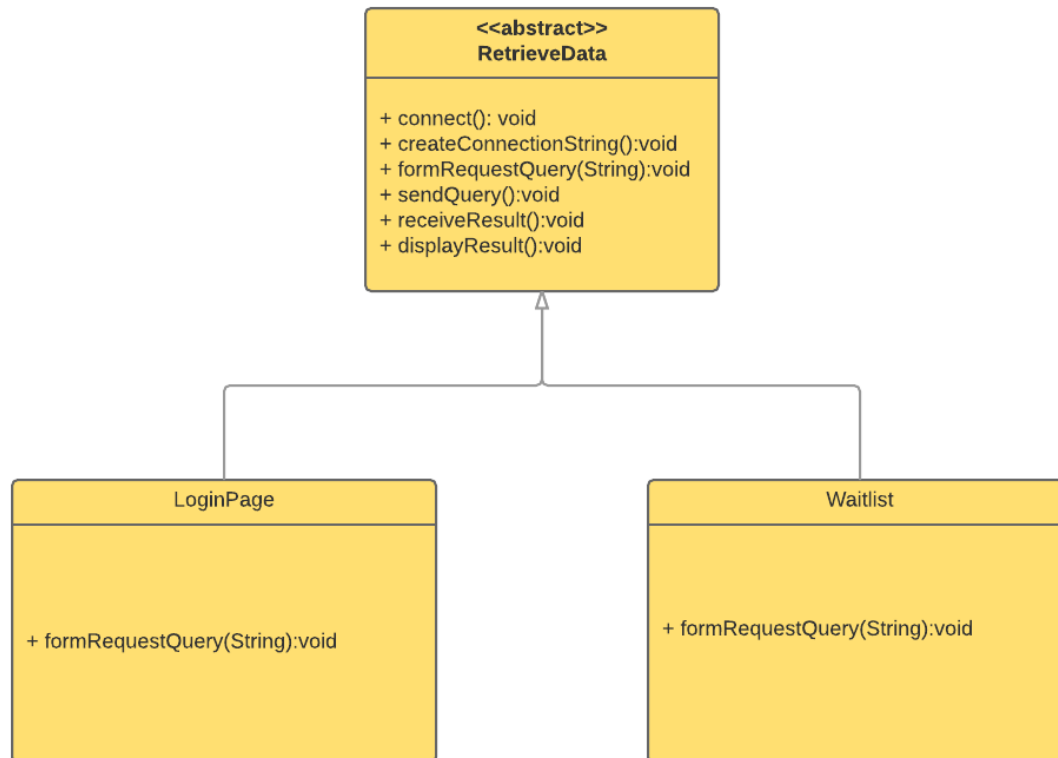
# What we used

- Android Studio
- PHP MySQL – Data storage.

# Use cases in the presentation

- Requesting a cab
- Wailist feature (video)
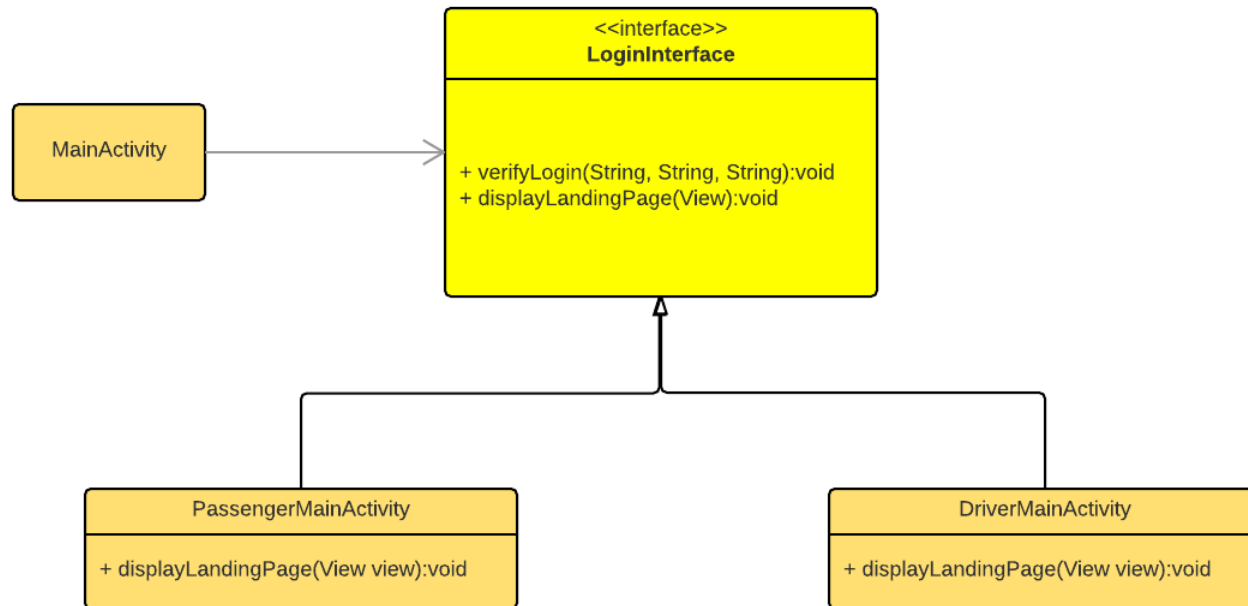- Driver accepts the ride, pickups and drops off passengers

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# Design Pattern – Observer

# Design Pattern - Template

# Design Pattern - Strategy

# Other design patterns

- Mediator – Communication between Passenger, Driver and Administrator

- Iterator – Iterate through Ride History

- State – **User** -> (ASSIGNED_TO_CAB, WAITLISTED, DROPPED OFF) **Driver** -> (CLOKED_OUT, CLOCKED_IN, READY_FOR_PICKUP, DRIVING)

- Decorator - Maps

# Object oriented Design Principles

- We have violated the [Single Responsibility Principle](#) in a couple of places in our project.

Demo video link:
https://youtu.be/R0Sjg2Xcv0U

# Thank You