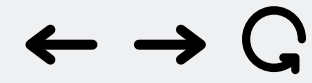




Title Page



SC2006 Project

CCRENTAL

Top G





INTRODUCTION

CCRental is a website that helps people find the cheapest and nearest car renting services.





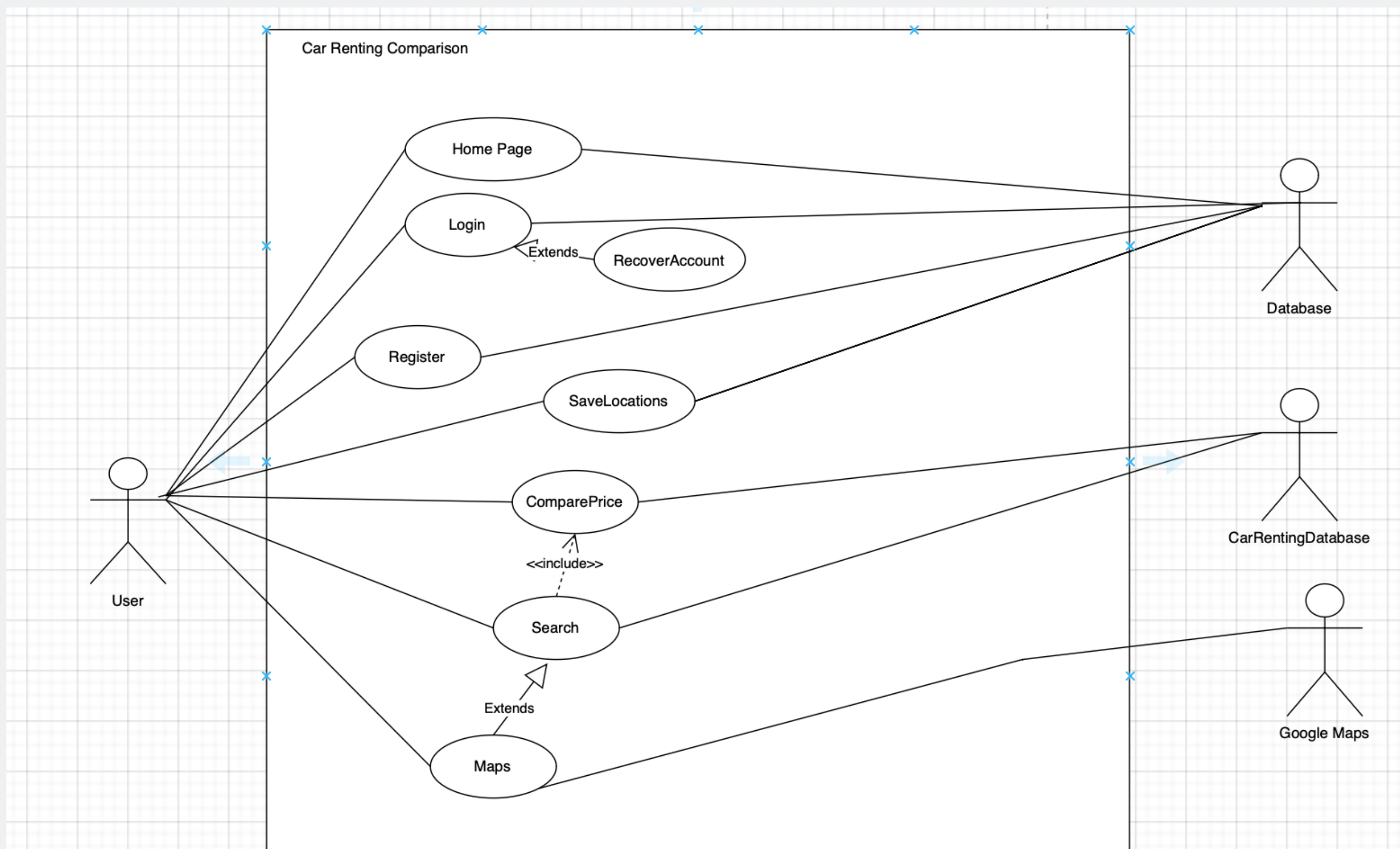
Title Page

Introduction

Functionality



← → ↺ 🔍 Use Case Diagram





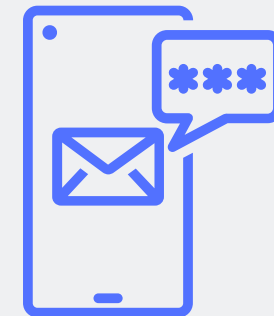
Title Page

Introduction

Functionality



← → 🔍 Main fuctions



**LOGIN AND
REGISTRATION**

**ACCOUNT
RECOVERY (OTP)**

**SEARCH FOR
CARS**



**SAVE
LOCATIONS**

RESULTS

**TIME AND DISTANCE
CALCULATION**



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Introduction

Functionality



← → ↺ 🔍 Expected Users

EXPECTED USERS



Singaporeans, who don't own a car but would like to rent cars for certain hours time to time.

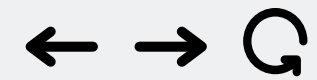


Title Page

Introduction

Fucntionality

SE Practices



Q Good SE Practices

Good SOFTWARE DESIGN PRACTICES

Helps in allowing our code to be maintainable and reusable

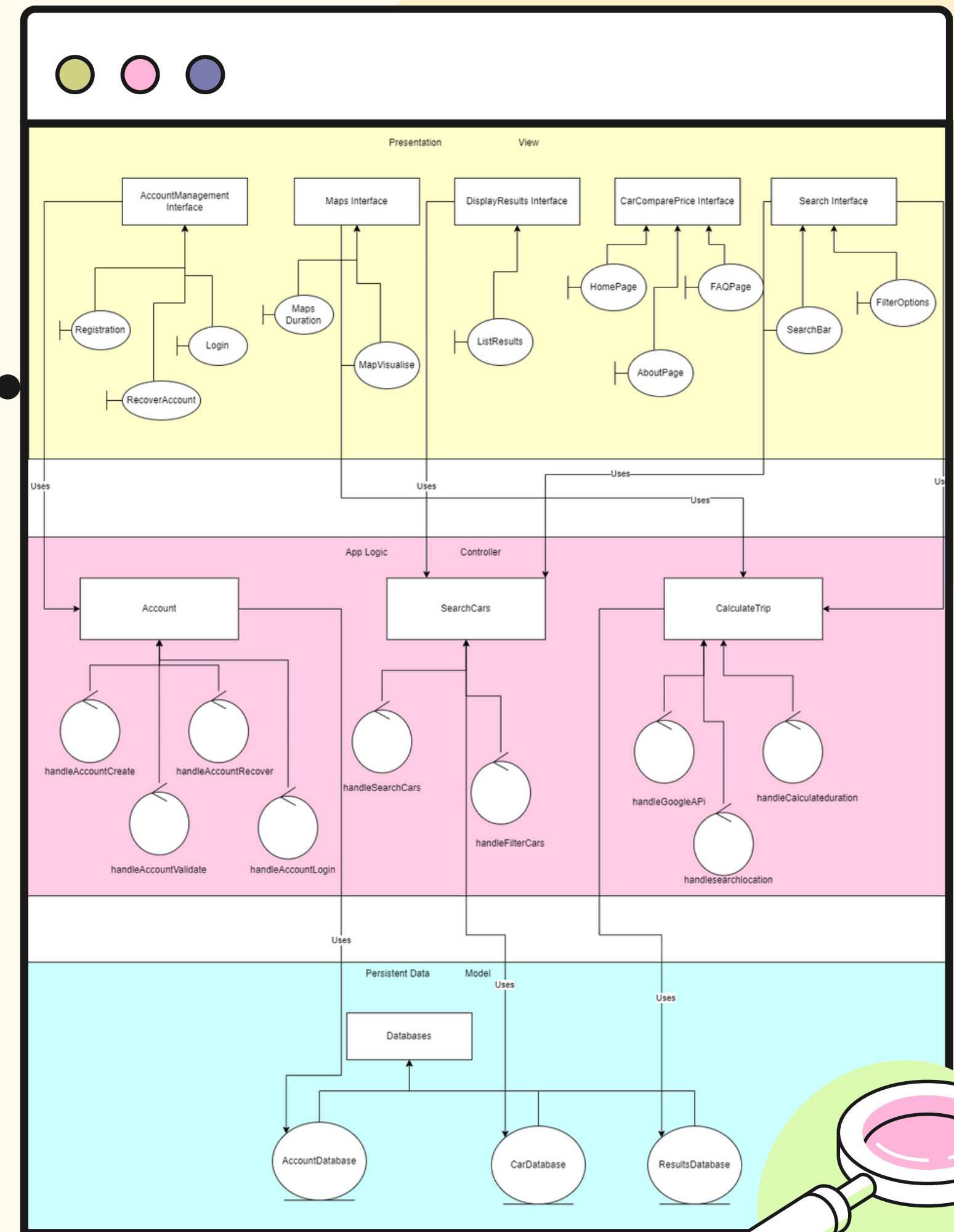
3 LAYERED ARCHITECTURE

**SINGLE RESPONSIBILITY
PRINCIPLE**

KISS

3 LAYERED ARCHITECTURE

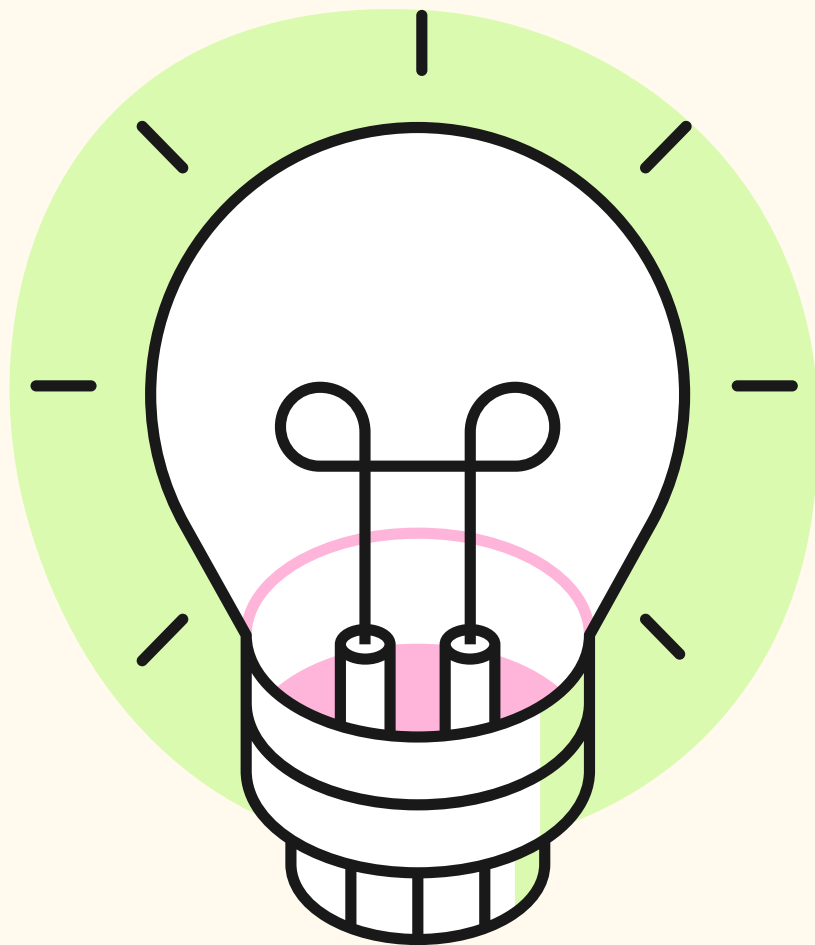
- All our codes are split into 3 layer : Presentation, App Logic, Persistent
- All functionalities are built in separated components.
- This allow us to reuse logic within an application
- Reduce the need for repeated code for better maintainability of codes.
- Modifiability by decoupling the computation
- Support reuse of lower layer components while upper layer components varies





SINGLE RESPONSIBILITY PRINCIPLE

- Every class is only responsible for a single part of the functionality
- Reduce complexity
- Reduce the risk of other parts of the class that we do not intend to change



KISS - KEEP IT SIMPLE & STUPID

- Keep our code simple and focused on the task.
- Each component / router only include codes that are needed for that functionality.

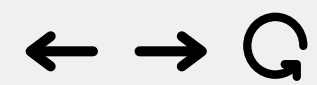


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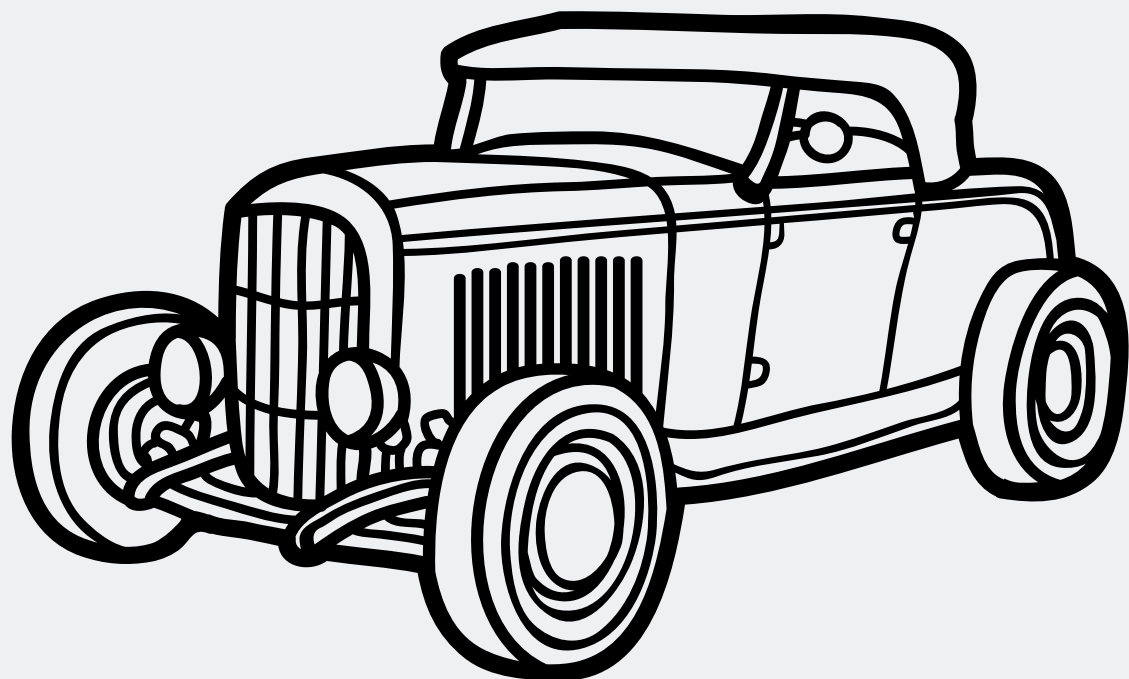
Fucntionality

SE Practices



Q Demo of Our Product

DEMO OF PRODUCT





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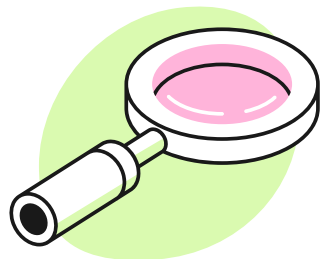
SE Practices

Further
Improvements



← → 🔍 Further improvements

FURTHER IMPROVEMNTS



INCLUDE CARPARK AVAILABILITY API

This will be a secondary function that allows users to better plan their route.



WEATHER API

Another secondary function that allows users to better plan their route



SC2006 SOFTWARE ENGINEERING

**THANK
YOU**

Hope you enjoy
our presentation!

