



SOFE 3650U

Software Design & Architecture

Project Proposal

Online Community-Based Car Reservation Platform

Group: 12

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First Name	Last Name	Student Number
David	Fung	100767734
Saaruka	Kugarajh	100751441
Nathan	Yohannes	100749914
Anish	Patel	100751489

Overview of Project

The goal of this project is to create an online platform that facilitates car reservations from peer to peer. Users should be able to list their cars online and also reserve available cars from other users.

Requirements

Functional Requirements		
Section	ID	Description
Reservation	1	Users should be able to list their cars for reservation into the system, update the listing, or remove the listing.
	2	A confirmation email should be sent when making or deleting a reservation.
	3	Users should be able to create a reservation, and delete the reservation.
	4	Users should be able to generate a list of reservations for their car.
Login	5	The system should allow users to sign up for the service.
	6	Users should be able to access the system using a username and password.
Car Listings	7	Users should be able to view available cars.
	8	Users should be able to create new car listings.
	9	Relevant information about each listing should be displayed.
	10	Users should be able to search for specific cars using different search categories.
	11	The availability of cars should be visible to users.
	12	Users should be able to modify the information of their car listings.

Non-Functional Requirements		
Usability	13	The system should be easy to learn and intuitive for users.
	14	Making listings and reservations should be quick and easy to accomplish.
	15	Listings should be organized and easy to navigate.
Availability	16	The system should be available 24/7 with no downtime if possible.
Performance	17	The system should be responsive and not have latency when searching listings.
Security	18	All private user information should be stored in a secure manner.