



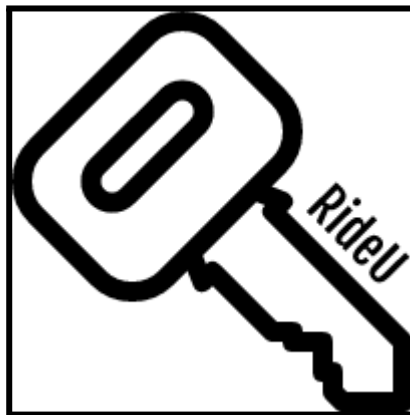
NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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RideU

Stage 4: Functional prototype



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How to test

Test with Android Studio Dolphin | 2021.3.1 Patch 1 with an emulator.
Suggestion for the emulator: Phone Nexus 5 API 30.

Briefing

Nowadays it is very difficult to have a car in the big city due to the lack of parking, the necessary paperwork, traffic, fees, among others, but sometimes having a car available is pleasant and makes the activities of the day that we must perform a lot easier and that's how RideU came about.

With our app, the user can rent one of our many cars around the city for an unlimited period. We have several car models that you can choose from, these cars range from electric to fuel and from a lower standard for everyday activities to a more premium standard for activities that require that level of elegance.

Our app allows the user to control the vehicle because depending on the vehicle model it is possible to control various aspects of the car remotely and as is obvious in the more premium models it is possible to control more aspects.

Scenarios

Scenario A - A new user signs up and rents a car

John does not have a car because his car is getting repaired. So lately he has been using public transportation. But today John is in a hurry! He is late for an appointment and he just missed his bus, and the next one is in half an hour... John is not happy about this but then he remembers about this app that a friend told him about that can solve his problem by renting a car near him: "RideU".

John goes to the app and signs in since he is a new user.

John does the sign in and uploads the necessary documents. After John uploads all the documents he waits a bit for the system verification and then he gets notified that all his documents are valid.

John logs into his account with his email and password and starts trying to rent a car.

John is in a hurry, so he does not care about the car's information and he just chooses the closest car to him available for rent.

A message appears saying that this car is rented to him.

John then walks to the car and unlocks the car on the app.

John turns the car on and drives to his destination, when he gets there he parks the car, gets out and locks the car on the app. John chooses to finish the ride/trip and the payment is executed.

John just got to his appointment in time thanks to “RideU”!

Scenario B - A user logs in rents a car, interacts with the car, pauses the rent and then resumes it

Sarah is a “RideU” user. Today she needs to go to her friend's house but she needs to stop by a supermarket on the way to buy some stuff for her friend.

Sarah logs into her account using her email and password.

Sarah uses the filters because she prefers electric cars. Sarah chooses a car close to her and walks to the car location. When she gets near the car she unlocks the car on the app and gets in.

Sarah now drives to the supermarket, when she gets there, she parks the car, gets out and locks the car in the app and pauses the rent/trip (now the car will not be available to other users and the rate paid per unit of time is reduced)

Sarah goes inside the supermarket and while she is buying the stuff for her friend she remembers that it was a bit hot inside the car so she goes to the app and turns the AC on so that when she gets back into the car the temperature is more comfortable.

After buying what she needed, Sarah gets back to the car, unlocks the car on the app and resumes the trip to her friend's house.

When she gets there, Sarah gets out and locks the car on the app. Sarah chooses to finish the ride/trip and the payment is executed.

Sarah is happy for being at her friend's house so quickly.

Scenario C - A user logs in goes to the app store, orders the items list and buys one item

David has been using the “RideU” app for a while. Last time he was there he noticed there was an online store and he got curious about it.

David logs into his “RideU” account using his email and password and goes to the store.

He sees the items available to purchase in the “RideU” online store and decides to order by “price low to high” because he doesn't want to spend much money.

David finds a cool cheap Sweatshirt with the “RideU” logo and decides to add it to his shopping cart.

He only wants to buy this Sweatshirt, so he finishes his shopping.

Then he proceeds to payment and order details and the order is concluded.

David is happy with how easy it was to buy a new sweatshirt and can't wait for the order to arrive.

URLs

GitHub: https://github.com/AlexaSerra0/IPM_APP.git

Accept the invite sent to access the repository.

Incomplete:

Right now, the values presented in the app are only a representation of what it will be. The goal is to visualize the transitions between buttons and the pages and see the design of the app.

Technologies used:

Android studio with XML in frontend and Java in backend.

Download Link:

https://drive.google.com/drive/folders/1ryfuERU_qSUgKkAZKP1QRSCC1Qb_v8Q9?usp=sharing