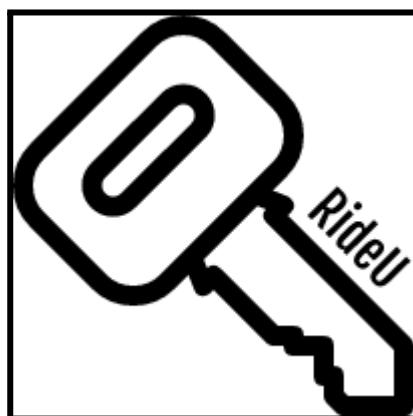


Interação Pessoa-Máquina

2022/2023

RideU

Stage 3: 1st Prototype



Authors:

55967, Ruben Belo

64606, Alexandra Serra

55481, Diogo Spencer

Lab class Nº P3

Group Nº 21

Professor:

Teresa Romão

October, 2022

Index

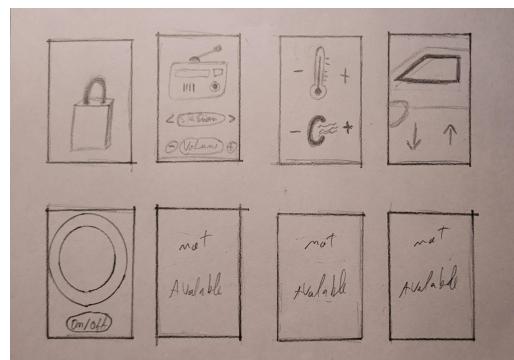
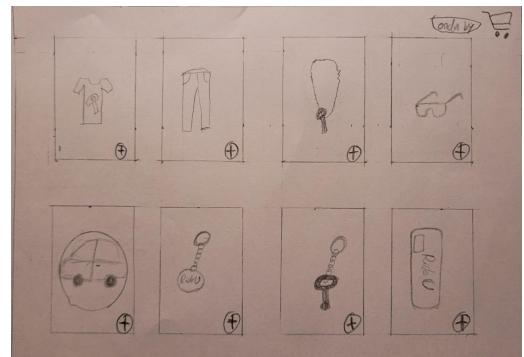
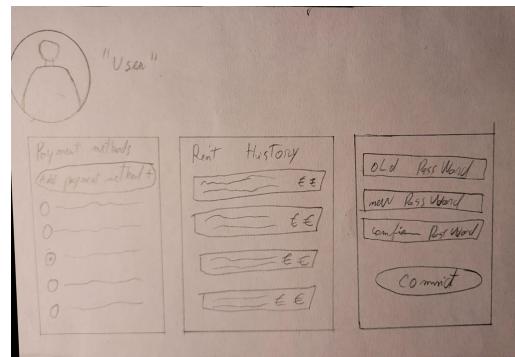
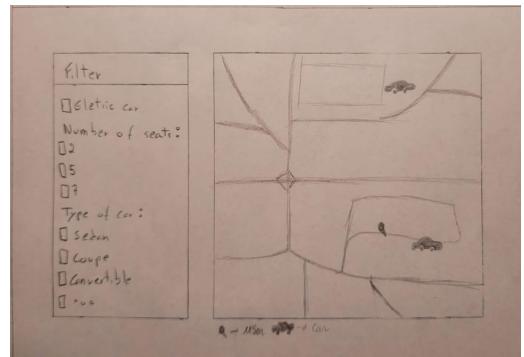
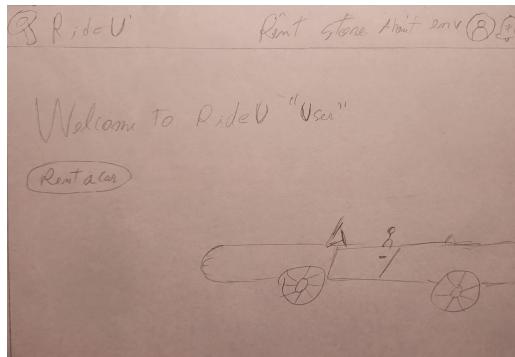
Index	1
Sketches	1
Prototype photos and link	3
Storyboards	4
Storyboard 1 - Scenario 1	4
Storyboard 2 - Scenario 2	5
Storyboard 3 - Scenario 3	6
Briefing	7
Scenarios	7
Scenario A - A new user signs up and rents a car	7
Scenario B - A user logs in rents a car, interacts with the car, pauses the rent and then resumes it	8
Scenario C - A user logs in goes to the website store, orders the items list and buys one item	9
Observation	10

Sketches

At the beginning of this phase of the project, we chose to start with sketches on paper.

We wanted the user to have access to all the features of the site through the home page, so we designed the home page with that in mind.

After this page was designed, we decided to design the main features, the screen for adjusting a car and interacting with the car, the store page and the user settings page.



Other than these we made some sketches of pop-up windows and menus for the various interactions with the user

Sign in

Email

Name

Age

Password

Confirm Password

Address

Zip- code

Phone number

ESP
PT
FR
CHN
JPN

Shopping cart

<input type="checkbox"/> 1	~	€ 6
<input checked="" type="checkbox"/> 2T	~	€ €
<input type="checkbox"/> 1N	~	€ €

The process of designing the sketches was relatively easy on a creative level, as we already had a very concrete image of what we wanted for our website and for user interactions.

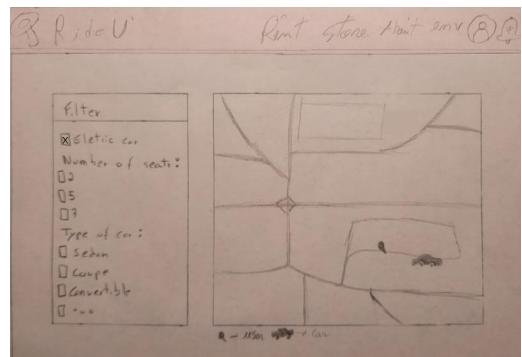
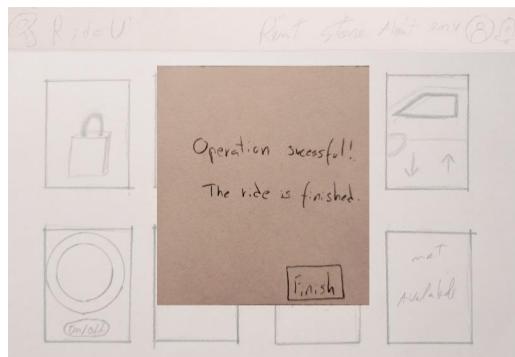
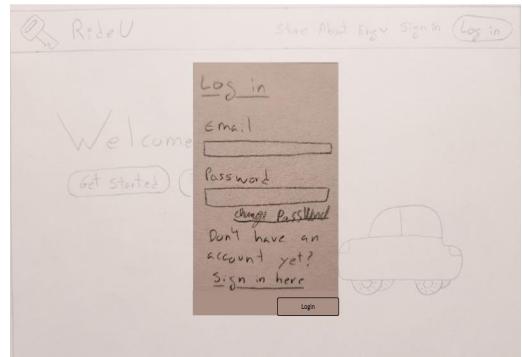
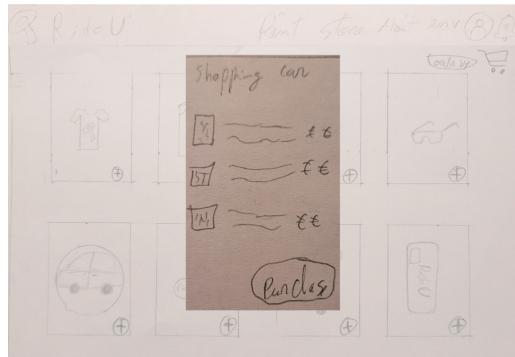
Prototype photos and link

In the creation of the prototype we used the hand-drawn sketches, because we thought they were good since we had a clear idea of what we wanted on our website so in marvel we just needed to put all the pieces together with clicks, transactions, overlays, etc...

All of our scenarios start on the homepage after a login or sign in. Below will be shown some windows of the prototype that we found most interesting.

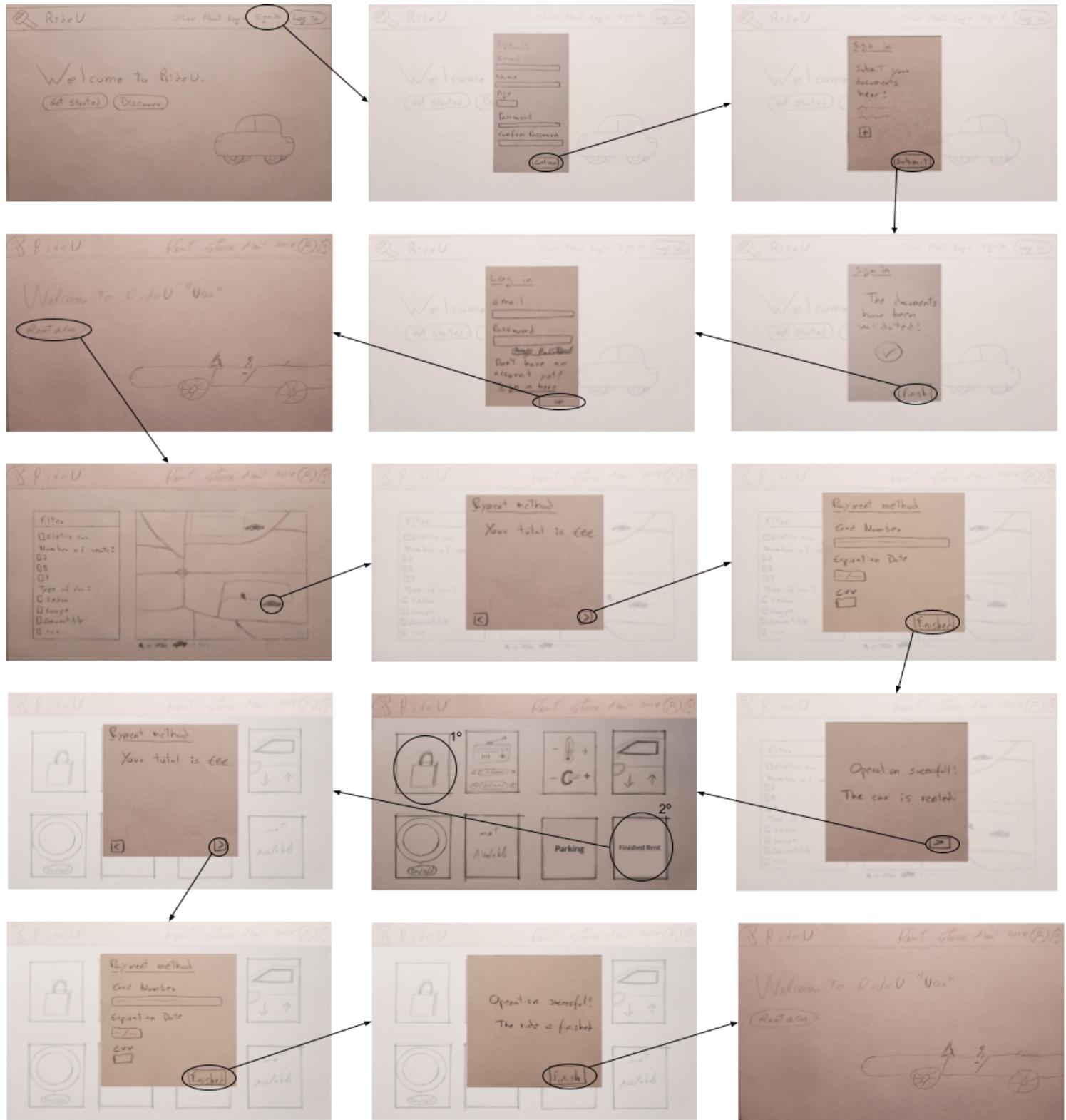
Home Page marvel link:

https://marvelapp.com/prototype/ij9b4b0/screen/89164604?sign_up_origin=player

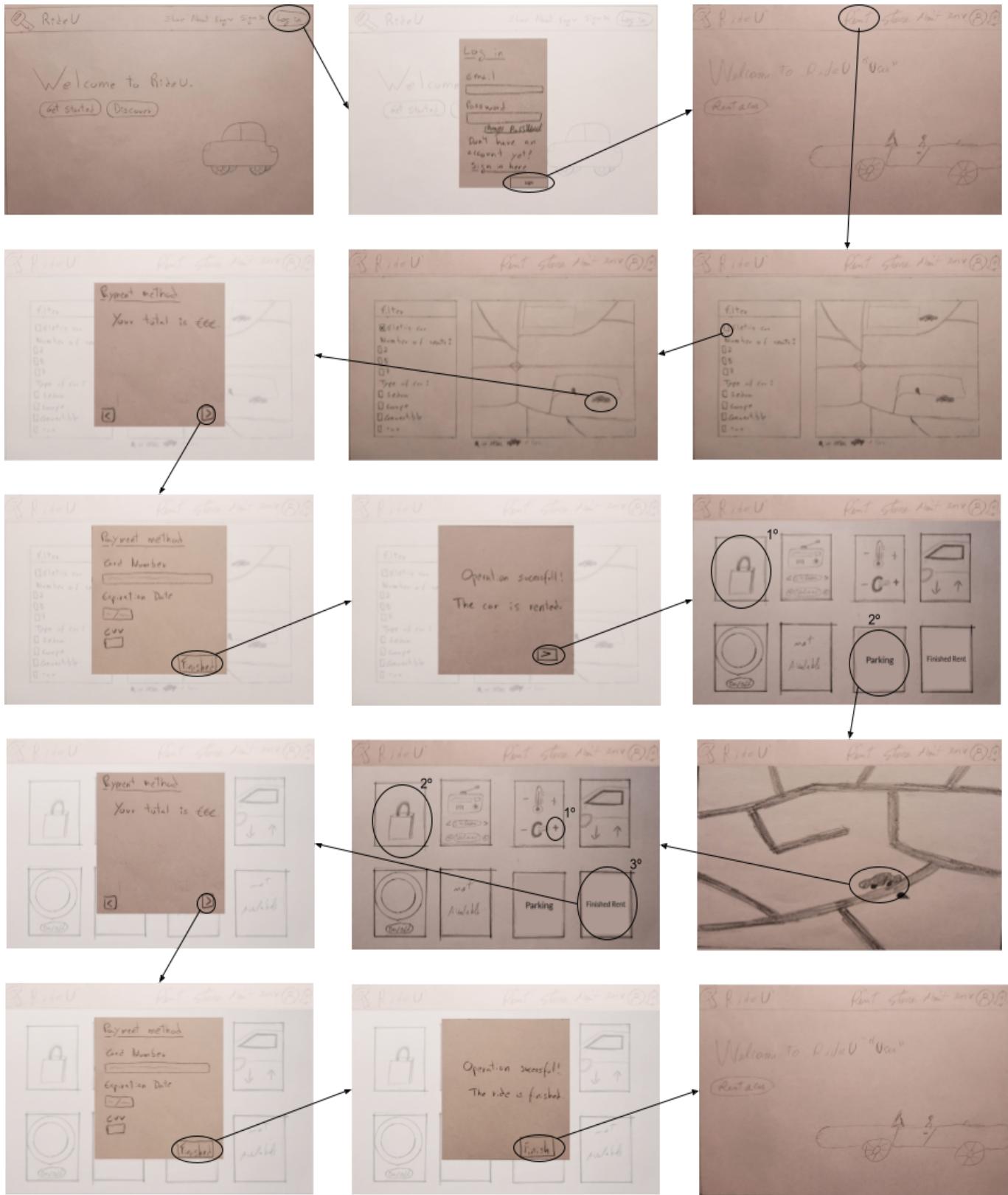


Storyboards

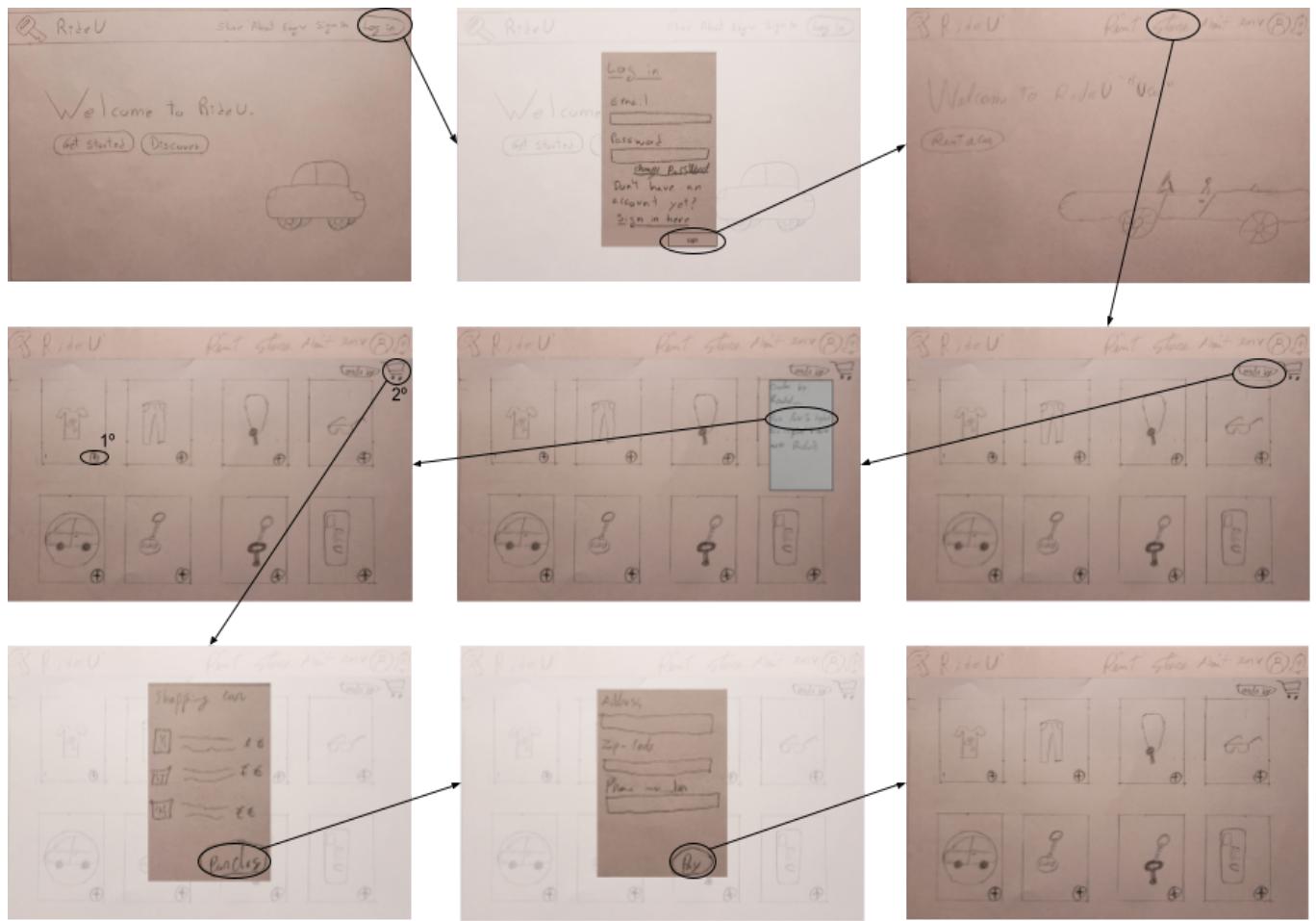
Storyboard 1 - Scenario 1



Storyboard 2 - Scenario 2



Storyboard 3 - Scenario 3



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 website, 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 website 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 website that a friend told him about that can solve his problem by renting a car near him: "RideU".

John goes to the website 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.

The website then asks for a valid payment method, John does this and a message appears saying that this car is rented to him.

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

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 website. 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 website 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 website 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 website 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 website and resumes the trip to her friend's house.

When she gets there, Sarah gets out and locks the car on the website. 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 website store, orders the items list and buys one item

David has been using the “RideU” website 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 is 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.

Observation

After the user tests, we realized some alterations needed to be done. Some actions were not that clear, and so we present the alterations to be made in the future:

- Have more payment options;
- Have more information about the rates and values of each car model;
- Improve the parking option in order to be more explicit about what this option does;
- Title for the car interaction options;
- Option to remove an item from the shopping cart;
- Have only one payment at the end;
- Drop down in the filter for when choosing a car.

In addition, according to the user's opinions, this application would be more useful and beneficial to their everyday life if instead of a website it was a mobile application. It's not every day that they would have a computer around, and even accessing on their phone, it's quicker clicking the logo than going to the browser.