

The Design Document - DriveUp

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1. Document Revision History

Revision 1.0 March 26, 2019 – initial version: In initial version we made several things in our web application. Firstly we made home page and added some basic features and explanation on how application works and what it gives. We then added options for login and contact. In login we have 2 types of login. One is for drivers and one is for customers. Drivers need to write more informations about them(username, e-mail, phone number) while customers who are looking for driver need only username and e-mail. In contact there are informations on how can users get in touch with us if they need any help.

Revision 1.1 April 2, 2019 – In this revision we added additional requirements. Here we added options when users(drivers) register and login they can add more informations about them(type of car, how many seats, where they can drive, when they are able to drive, pictures of car). Also there are categories where customers can search for specific drivers. There are options like (in which city they can drive, price, how many seats). We also added options that customers send message to drivers, and also they can see their profile where they can see other info like phone number or e-mail that can be used to contact them. We didn't remove anything yet, but if we find some mistake or some better idea or any kind of improvement we will remove things and add new better ones.

2. Overview of the application

The DriveUp web application is an application which will be used by drivers and potential customers which want to go from point A to point B.

This application tends to be a middleman application which allows the communication between the driver and the customer. It will also have an registration where drivers and customers will have seperate forms to fill out in order to make the account, drivers will be asked to pay the monthly subscription for using the application, on the other hand the customer account is free from any payment towards the application and its use.

This application will also feature a list of those same drivers which will show their details, those details are going to be : Type of car, Availability, Working days, Number of seats, Description, Contacts options and price. This feature will make it easy for customers to choose their driver based on their most important information and which suits them the best. As previously mentioned there will be communication between the drivers and customers on the application, this chat option is for making deals and setting up meetings with your driver.

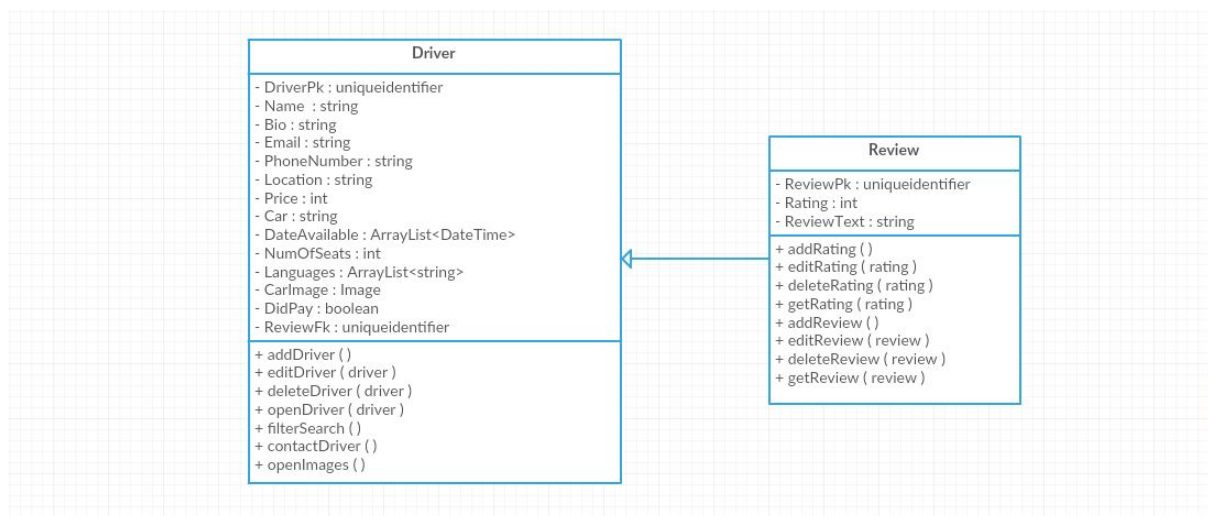
When the customer finally chooses a driver and pays him for his service, the customer has the option to review the driver that the choose on his profile, this will be important for the driver since he needs to prove customers that he is the best driver, which means that the best driver gets the most jobs like almost every freelance application.

Further in the document these features and details will be explained in detail and specification of the application.

3. System Decomposition/Design

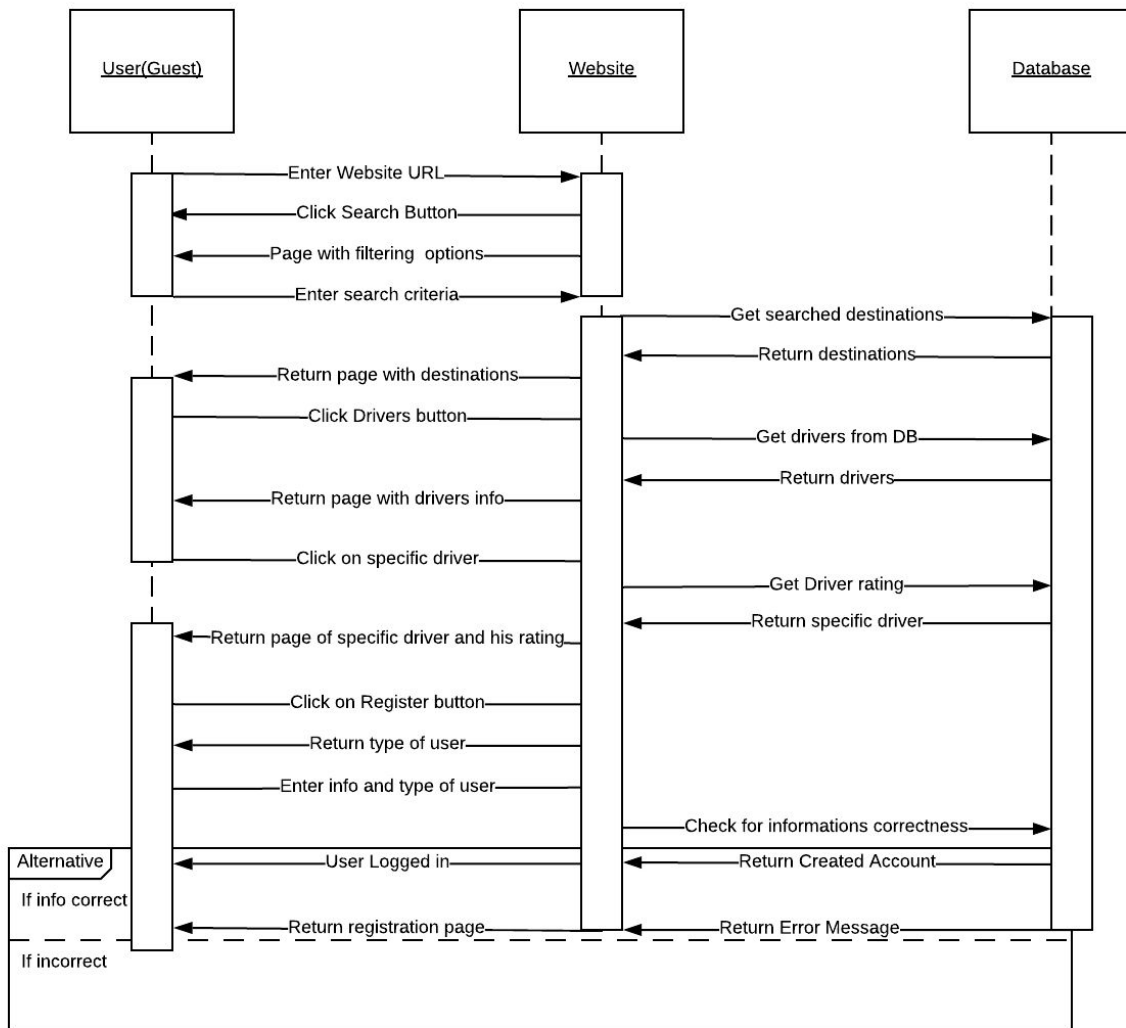
Modules

- **AppModule** - Module where all other modules are imported
- **FormsModule** - Module used for creating forms with Angular
- **DriverModule** - Module of the class Driver
- **ReviewModule** - Module of the class Review

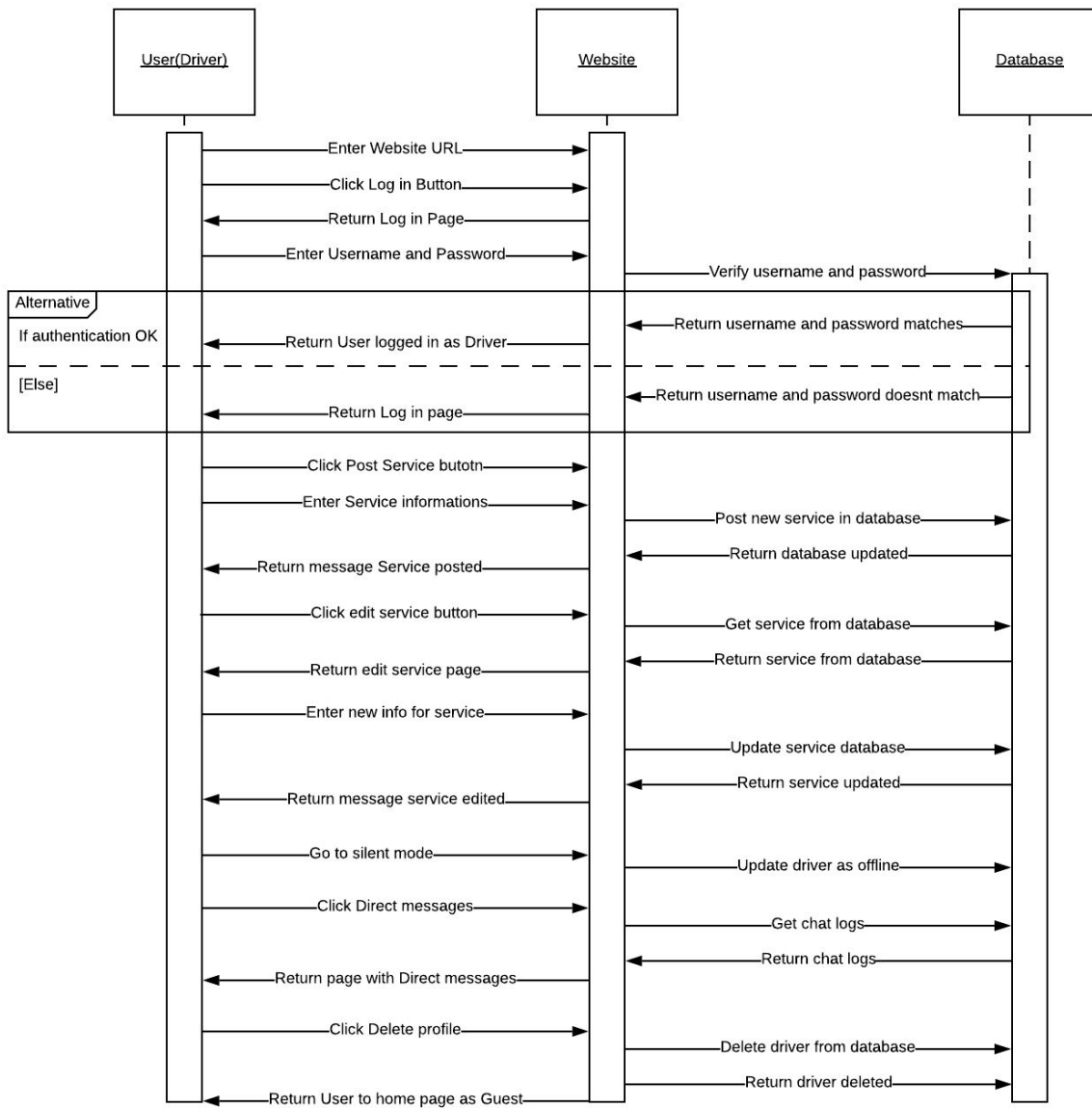


4. Dynamic Models: Sequence Diagrams

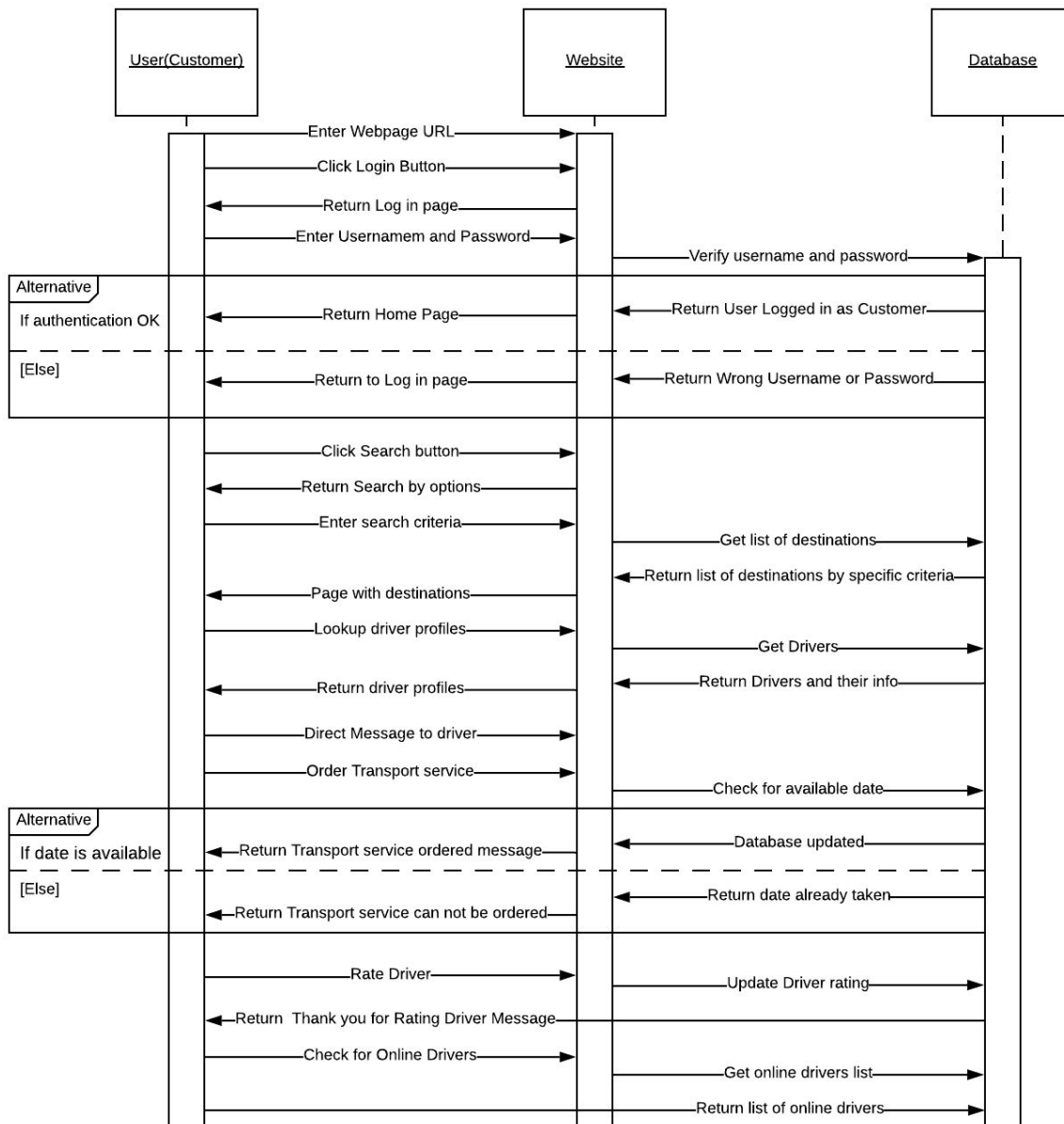
4.1 Guest (User did not register)



4.2 Driver Sequence Diagram



4.3 Customer Sequence Diagram



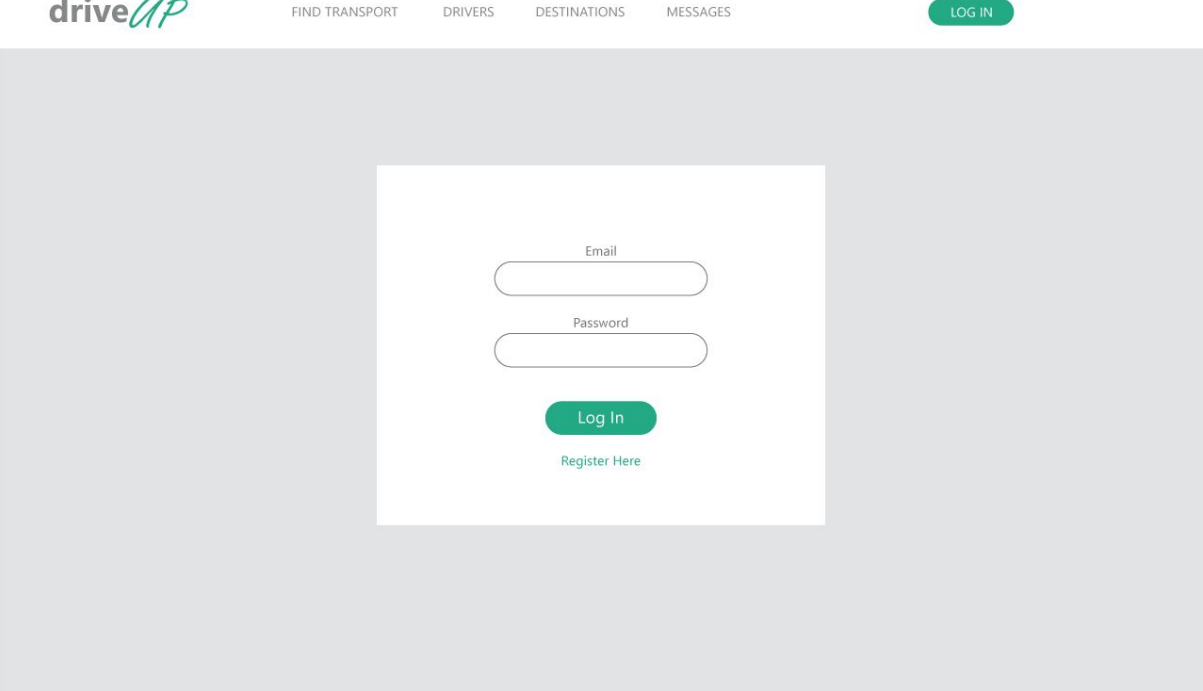
5. User Interface

5.1. Registration Form

The screenshot shows the driveUP website's registration form. At the top, the driveUP logo is on the left, and navigation links 'FIND TRANSPORT', 'DRIVERS', 'DESTINATIONS', and 'MESSAGES' are in the center. A green 'LOG IN' button is on the right. The registration form is a white box in the center with a light gray background. It has two tabs: 'DRIVER' and 'CUSTOMER', with 'CUSTOMER' selected. Below the tabs are three input fields: 'Full Name', 'Email', and 'Password'. At the bottom of the form is a green 'Register' button.

- User should enter his data into forms
- We decided to provide lazy registration form
- All fields in the form are required
- Once data is entered, user should press the **Register Button**
- User can choose between two account types (**Driver and Customer**)

5.2. Login Form



The screenshot shows the driveUP website's login interface. At the top, the driveUP logo is on the left, and navigation links for 'FIND TRANSPORT', 'DRIVERS', 'DESTINATIONS', and 'MESSAGES' are in the center. A green 'LOG IN' button is on the right. The main content area is a light gray rectangle containing a white login form. The form has two input fields: 'Email' and 'Password'. Below these fields is a green 'Log In' button and a green link labeled 'Register Here'.

- User log into the application using his email and password
- Both **Email** and **Password** fields are required
- Once data is entered, user should press the **Login Button** to log in
- If user do not have account, he can click **Register Here** link and he will be provided with **Registration Form**

5.3. Drivers and Transportation Services list

driveUP

FIND TRANSPORT DRIVERS DESTINATIONS MESSAGES LOG IN

All Drivers
Most Recommended Drivers
Online Drivers

FS Čviljenko Čviljac
★★★★

Availability: 7:00AM-7:00PM
Car: VW Golf 5
Working days: Mon-Sat
Seats: 5

My name is Čviljenko. I drive Volkswagen Golf 5. I prefer driving slowly but I can go faster for extra 30\$ for every 10 km/h above the restriction. Car is registered under 5 seats or 6 if you are willing to shrink a little bit.

CONTACT 30.00 \$/hr

BB Lakosta Dubravac
★★★★★

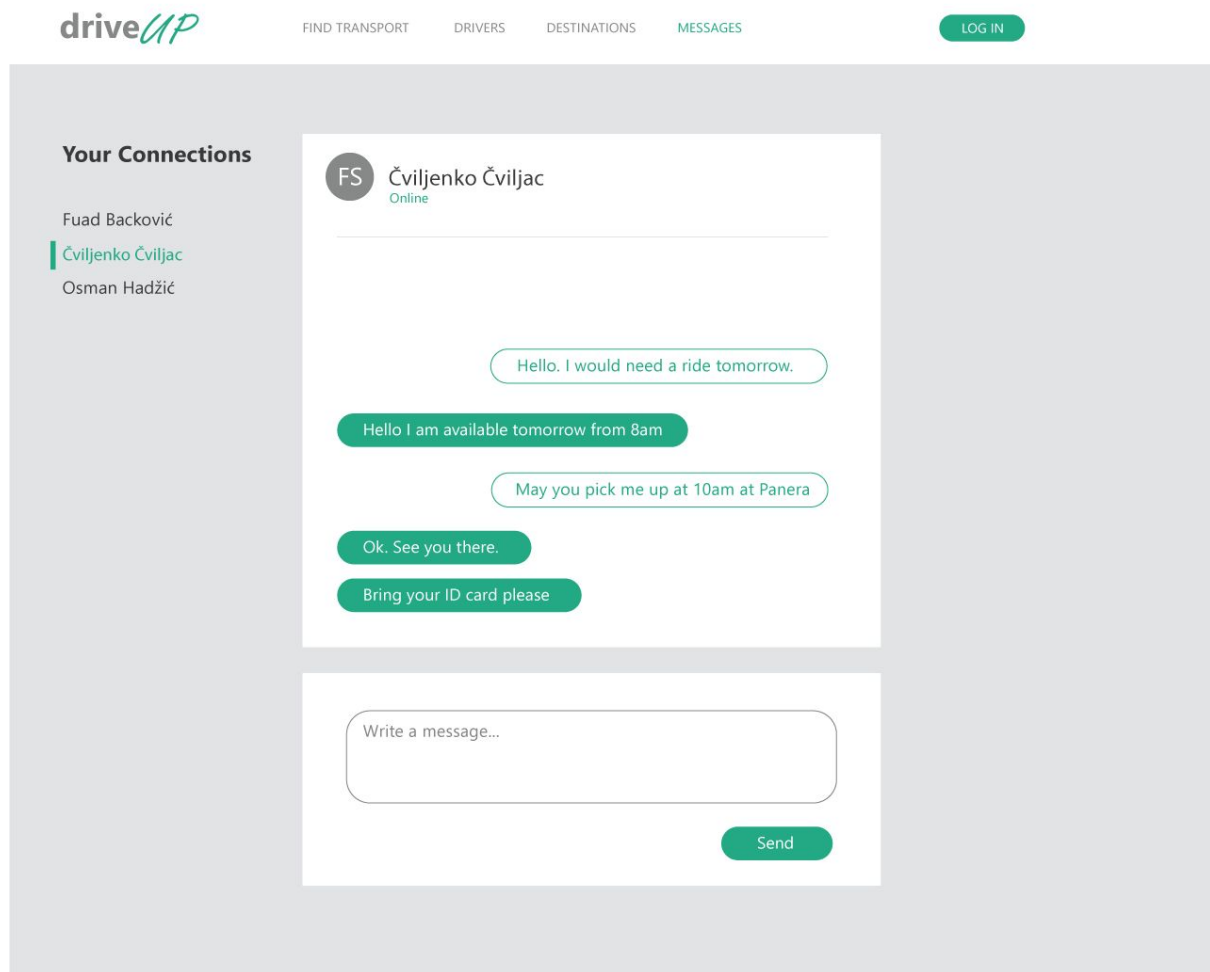
Availability: All day
Car: Audi A4
Working days: Whole week
Seats: 5

Hello I am Lakosta, the best driver in the country. Actually I am Russian but I have found my fortune in Bosnia. I will drop you off wherever your heart wants, but I will charge you like no one else.

CONTACT 5.00 \$/km

- Customer who seeks transport services can look for available drivers
- He can see **information about driver** and the **price**
- By clicking the **Contact Button**, application will provide the messages form to the customer

5.3. Drivers and Transportation Services list



- **Upper window** shows all the **messages** driver and customer have exchanged
- Right sided messages are messages from user who looks at the form
- For writing **new message**, user uses form in the **Bottom window**
- Once user finishes a message, he sends it by pressing **Enter** or clicking the **Send button**
- At the left side is the list consisted of all users whom with the **user had been in contact**