

Vroom



Team Members

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Sefira Karina - scrum master/ lead backend

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The Project

How we work

- 4 sprints, 2 weeks each
- Backend finishes work and deploy on the 1st week, do automated unit testing on 2nd week
- Frontend work on the 2nd week and deploy every end of sprint
- Weekly meeting every Monday/ Wednesday after class
- Trello for tasks management and Slack for team communication

Sprints

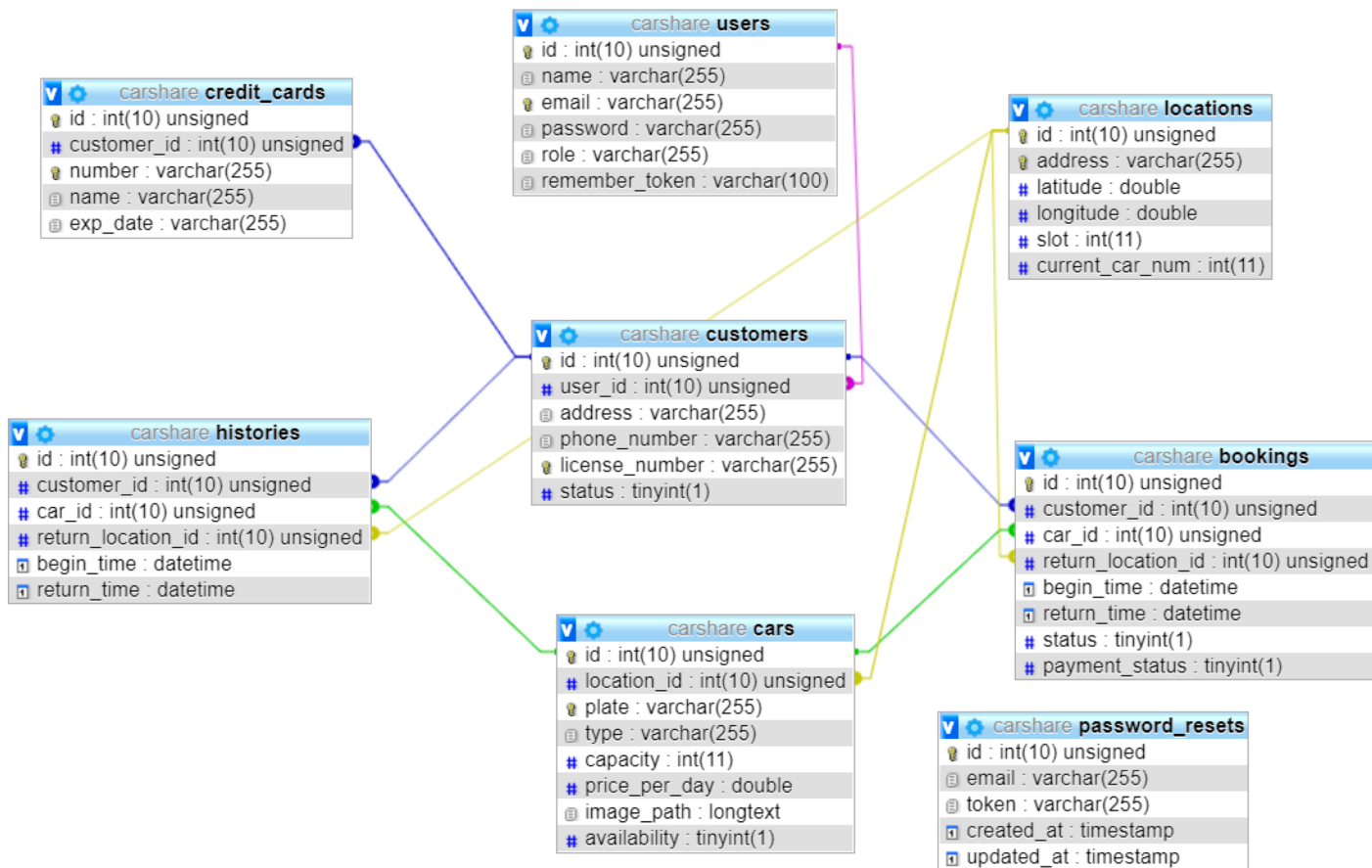
Sprint 1	Sprint 2	Sprint 3	Sprint 4
Setting up environment and system architecture	Admin functionalities	Customer profile	Paypal
UI/UX design	Car and location CRUD	Booking/ rent functionalities	Reset password with email
Authentication			History functionalities
Register, login, logout			
Basic home page that shows list of cars			

The System

Backend



Backend



Frontend



Frontend

Our Cars



Volkswagen Beetles

Capacity: 4

[Book Now!](#)



Toyota Alphard

Capacity: 6

[Book Now!](#)



Toyota Corolla

Capacity: 5

[Book Now!](#)



Honda Civic

Capacity: 5

[Book Now!](#)



Honda Jazz

Capacity: 5

[Book Now!](#)

Add new booking

Current car: Honda Jazz (G352414)

Return location:

Begin time:

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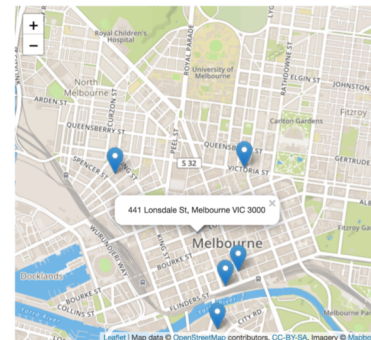
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Return time:

[Book!](#)



Problems

Image

Originally → store image at the laravel folder on heroku

Unfortunately → heroku doesn't accept file upload

Because we're running out of time on sprint 2 → **just store the image as string**

Why's this a problem?

If the image has a high resolution, the string version of it will be very long, waste of storage

Location Capacity

```
availableSlot = location.slot - location.current_car_num;
```

Update

```
current_car_num = old_location.current_car_num - 1;
```

```
current_car_num = new_location.current_car_num + 1;
```

Add & return car

```
current_car_num = new_location.current_car_num + 1;
```

What if the admin add a new car on a location that only have a slot left, and the next day a car that is being rent will be returned to that location?

Payment

Forgot to ask user to pay while booking (the cars didn't even have prices)

Solution:

Add price column to the cars table, use Paypal for payment

Paypal

-Paypal response with http 302, angular can't accept it

Solution:

Go to a Laravel blade page, call Paypal API from there

-Using Paypal sandbox, no real payment is being made

Reset Password

Mailtrap - testing

- Dummy mailing protocol server for testing.
- It sends email to dummy inbox instantly. - 500 emails per month

Sendgrid

- Regular SMTP provider
- Free version - 100 emails per month

#Incompleted

Maps

Problem

- Google Geocoding API is a paid feature.
- Researched on LeafletJS.

Solution

- Used LeafletJS to show the map.
- Enabled Google Geocoding API.

Demo

Link

https://drive.google.com/file/d/18d_3_3DBtnhf0-_LOEMxna84BJvJYNkp/view?usp=sharing

Thank you :)

Any question?