

Project Status Report II

Date of Report Issue/Prepared: Mar 9, 2023

Report Prepared By: Ostap Sulyk, Veronika Ushynska, Rauf Anata

Employer/Organization: ParkVRO

Project Name:	ParkVRO	
Project Team:	T - 03	
Period Reporting:	Start Date: Feb 04, 2023	End Date: Mar 10, 2023
Overall Project Health	Green (Good)	

Summary

Project Status Summary

BackEnd finished - 85 %

Implemented spring security with Json Web Token, Users and Business Partners now can sign in sending their credentials (username and password) and then backend will generate JWT and then use this token to authorize requests instead of sending username and password all the time in request payload which is considered bad practice. Additionally added ability to book a parking spot for a particular amount of hours and set a price for parking spot.

FrontEnd Finished - 75 %

Made it possible for users and business partners to edit and/or delete their account, added additional form fields for users when booking parking spots to make it possible to book parking spots for a particular number of hours, and implemented stripe API for payments. Added google maps integration for customers so that now they can see where parking spots are located on the map.

Accomplishments As Planned	Planned but not Accomplished
Edit Profile For BP Account - BP can now change their address, phone number, email address, password and their profile picture.	Edit payment Method for Customer - we decided not to store payment methods in our application and instead delegate all payment information to Stripe. When asked to make a payment users will be greeted with a payment form and rely on GooglePAY or Apple Pay to Autofill their payment method.

Edit Profile for Customer Account - customers can now change their email, phone number password and their profile picture	Edit Payment Method for BP - same story as with Edit payment Method for Customer, all payment information will be handled by Stripe service and our backend will only receive
Implementation Media Upload - business partners upon registering their parking spot will be able to upload images of their parking spot so that users will have easier time finding booked parking spot	
Implement Security - only registered customers (users and business partners) will be able to use our services. Any unverified requests will be redirected to the signup page.	

Upcoming Objectives for **Mar 11, 2023, to Mar 31, 2023**

	Planned Activities/Tasks for Next Period		
Activity/Task	Assigned To <name/s>	Duration <days>	Date
Get Google map API Key - to start with google maps we need to get google maps API key from	Veronika Ushynska, Rauf Anata	1	12/03/2023

https://console.cloud.google.com			
Research React Google Maps Libraries - since we are using React there are plenty of libraries that we can use to make GoogleMaps integration Easier. We will go with library provided by google itself: <i>"react-google-maps/api"</i>	Veronika Ushynska, Rauf Anata	3	15/03/2023
Display Available Parking Spot on the map - after completing previous steps we will be able to create a page where customers will be able to see available parking spots on the map,	Veronika Ushynska,	3	18/03/2023
Display Parking Spots on the map Business Partners will be able to see their parking spots that map as well.	Rauf Anata	3	21/03/2023
Create Stripe Account in order to use Stripe developers and organizations need to create Stripe Account	Veronika Ushynska, Rauf Anata, Ostap Sulyk	1	22/03/2023
Obtain Stripe API Key after creating stripe account our team will be able to	Veronika Ushynska, Rauf Anata Ostap Sulyk	1	22/03/2023

obtain API key which will allow us to create and test mock version of payments			
Stripe API integration - create a forms that would allow our users to pay for their parking spots using Stripe API service	Veronika Ushynska,	7	29/03/2023
Receive Payment Verification front end will send payment data to Stripe, Stripe will process payment and send response to our Spring Boot backend	Ostap Sulyk,	2	31/03/2023

Milestones for Next Period		
Milestone (Objective)	Assigned To	Delivery Date
Google Maps Integration- make sure Google maps are integrated into our application and allow users to see available parking spots on a map to make it easier for them to find parking spots they want. Allow Business partners to see parking spots that they own on the map to verify if they entered the correct address for parking spots.	Rauf Anata, Veronika Ushynska	21/03/2023
Stripe Integration - stripe will allow our Users to make payments when booking parking spots and our business partners to	Veronika Ushynska, Rauf Anata, Ostap Sulyk	29/03/2023

receive payments from their customers		
Email Verification - before allowing our customers to register their account, our backend will send an email with a verification link to each user, users will have to click on that link to get their email verified and only then will they be allowed to use our Website for making bookings or renting parking spots.	Veronika Ushynska, Rauf Anata, Ostap Sulyk	31/03/2023
Implement Docker container for SQL database - to make our database deployment easier we decided to run it inside Docker Container We will create a docker image with all needed dependencies for running MySQL server. Then deploying it to a remote host will be easy and not require a lot of setup, this will also mitigate most of the headache that comes with deploying a database.	Ostap Sulyk	31/03/2023

Managing Issues and Risk

Issues/Problems	Resolution Strategy	Due Date
Lots of new technologies - up until now we have been working with technology stack that we more less were familiar with. But most of the upcoming work will require us to learn new skills and APIs(GoogleMaps, Stripe) etc.	We will Identify essential technologies and prioritize their learning and allocate sufficient time for learning. We will also utilize online learning resources such as courses, tutorials, and online documentation.	18/03/2023
Implementing time based Reservation - We want to display availability information of each parking spot in a table-like grid format so that other users can easily view the available time slots for the parking spot. The table will show the availability of the parking spot for each hour, allowing users to select and book a specific time slot.	Implementing such a reservation system will be challenging for both frontend as well as backend. Our team will have to allocate more time to this task and make a few meetings for brainstorming sessions.	25/03/2023

Upcoming Risks	Risk Ranking (Hi, Med, Low)	Risk Impact (Hi, Med, Low)	Mitigation Strategy
Time - learning all these new technologies will take much time, plus it might introduce bugs that could potentially take a lot of time to fix.	Hi	Hi	Research the technology before learning it. Start with small pet projects to have working proof of concept before jumping in a real code base. Conduct thorough testing and use automated testing tools.