

## Project information:

### Team:

Viktoriia Abakumova (C28591)

Maksym Avramenko (C28586)

Serhii Murashko (C28574)

### Project repository

<https://github.com/abakumova/parking-esi>

## Checkpoint 1 changes:

### URI description:

User Management			
URI	HTTP verb	Description	Action
/users	GET	Get all users	
/users/:id	GET	Get user by id	
/users	POST	Create new user	
/users/:id	DELETE	Delete user	
/users/:id	PUT	Update user	
/users/:id/balance	GET	Get user balance	
/users/:id/balance	PUT	Update user balance	
/auth/register	POST	Register the user	
/auth/refresh-token	POST	Update token	
/auth/authenticate	POST	Get token	
Payment			
/make-payment	POST	Handle payment	
Parking Management			
/parking-slots/by-id/:id	GET	Get parking slot by id	
/parking-slots/by-status/:status	GET	Get parking slots by status	
/parking-slots/by-location/:lat/:lon	GET	Get parking slots by location	
/parking-slots	POST	Create parking slot	
/parking-slots/:id	PUT	Update parking slot	
/parking-slots	DELETE	Delete parking slot	
/parking-slots/:id/status	PUT	Update parking slot status	
/parking-slots/by-landlord/:landlordId	GET	Get parking slots by landlordID	Added
/parking-slots	GET	Get pageable of parking slots	Added
Location			

/location	GET	Get full address by partial address	
Booking			
/bookings/:id	GET	Get booking by id	
/bookings	POST	Create new booking	
/bookings/:id	PUT	Update booking	
/bookings/:id	DELETE	Delete booking	
/bookings/by-user/:userId	GET	Get all bookings by the user	
Analytics			
/analytics/:parkingSlotId	GET	Get analytics Dto of parking slot	

#### Event description:

Topic Name	Producer	Consumer(s)	Object Exchanged	Action
booking-topic	Booking Service	Analytics Service	BookingDto	NO ACTION

## Checkpoint 2 changes:

### Views and components

View / Component	Description	HTTP request + Resources (URI)
SlotCard.vue	Displaying slot information + location (gettin props from AdminParkingSlots component)	
UserCard	Displaying user information + payment method (getting props from AdminUsers component)	
AdminParkingSlots.vue	Fetching and displaying all parking slots. Handling parking slots editin Handling parking slots deletion	GET <a href="http://localhost:8089/api/v1/parking-slots/">http://localhost:8089/api/v1/parking-slots/</a> DELETE <a href="http://localhost:8089/api/v1/parking-slots/:id">http://localhost:8089/api/v1/parking-slots/:id</a> PUT <a href="http://localhost:8089/api/v1/parking-slots/:id">http://localhost:8089/api/v1/parking-slots/:id</a>
AdminUsers.vue	Fetching and displaying all users. Handling user edition Handling user deletion	GET <a href="http://localhost:8089/api/v1/users/">http://localhost:8089/api/v1/users/</a> DELETE <a href="http://localhost:8089/api/v1/users/:id">http://localhost:8089/api/v1/users/:id</a> PUT <a href="http://localhost:8089/api/v1/users/:id">http://localhost:8089/api/v1/users/:id</a>
Analytics.vue	Fetching analytics by parking slot id	GET <a href="http://localhost:8089/api/v1/analytics/:parkingSlotId">http://localhost:8089/api/v1/analytics/:parkingSlotId</a>
Header.vue	Handling music Redirecting to home, parking creation, admin routes based on user roles Contains search bar Contains sign in, sign up, profile icon, user balance and sign out	Redirections+ GET <a href="http://localhost:8089/api/v1/users/:id">http://localhost:8089/api/v1/users/:id</a>
ParkingAddForm.vue	Displaying form to add new paring slot	GET <a href="http://localhost:8089/api/v1/location">http://localhost:8089/api/v1/location</a> POST <a href="http://localhost:8089/api/v1/parking-slots">http://localhost:8089/api/v1/parking-slots</a>
ParkingCard.vue	Displaying parking card + contains Analytics component	
ParkingManagementAllTab.vue	Displaying tab with all parking slots received in props	
ParkingManagementClosedTab.vue	Displaying tab with closed parking slots received in props	

ParkingManagementOpenTab.vue	Displaying tab with open parking slots received in props	
Search.vue	Located in header Fetching full formatted address based on the info provided into the search bar (Using google API)	GET <a href="http://localhost:8089/api/v1/location">http://localhost:8089/api/v1/location</a>
SearchResultCard.vue	Displaying fetched parking slots by search	
Admin.vue	Handling selecting 2 Admin tabs (User / Parking)	
Booking.vue	Displaying information about the parking slot. Handling creating booking	GET <a href="http://localhost:8089/api/v1/parking-slots/:id">http://localhost:8089/api/v1/parking-slots/:id</a> POST <a href="http://localhost:8089/api/v1/booking">http://localhost:8089/api/v1/booking</a>
Home.vue	Homepage with guide info	
ParkingManagement.vue	Fetching all slots by landlord Handling switching between the All / Closed / Open tabs	GET <a href="http://localhost:8089/api/v1/parking-slots/:landlordId">http://localhost:8089/api/v1/parking-slots/:landlordId</a>
Profile.vue	Displaying current user info Handling deletion of the user	GET <a href="http://localhost:8089/api/v1/users/:id">http://localhost:8089/api/v1/users/:id</a> DELETE <a href="http://localhost:8089/api/v1/users/:id">http://localhost:8089/api/v1/users/:id</a>
SearchResult.vue	Displaying list of search results made by search component. Fetching all parking slots that are 1 km away from entered point	GET <a href="http://localhost:8089/api/v1/parking-slots?latitude={latitude}&amp;longitude={longitude}">http://localhost:8089/api/v1/parking-slots?latitude={latitude}&amp;longitude={longitude}</a>
SignIn.vue	Handling user authorization	POST <a href="http://localhost:8089/api/v1/auth/authenticate">http://localhost:8089/api/v1/auth/authenticate</a>
SignUp.vue	Handling user registration	POST <a href="http://localhost:8089/api/v1/auth/register">http://localhost:8089/api/v1/auth/register</a>
App.vue	Main component Contains header and router-view	

## Checkpoint 3:

### Frontend

Roles	Description
GUEST	Display sign in, sign up forms. Can use search bar to find parking slots
USER	Cannot open sign in, sign up forms Can open and delete profile After searching parking slots and process the booking of the selected slot
LANDLORD	Cannot open sign in, sign up forms Can open and delete profile After searching parking slots and process the booking of the selected slot Can fetch, create, delete his parking slots
ADMIN	Cannot open sign in, sign up forms Can open and delete profile After searching parking slots and process the booking of the selected slot Can fetch all users, modify and delete them Can fetch all parking slots, modify and delete them

### Backend

Roles	Description
USER	Endpoints with USER in JWT – SecurityConfiguration File – see free slots, is able to book
LANDLORD	Endpoints with LANDLORD in JWT – SecurityConfiguration File – can create slots
ADMIN	Endpoints with ADMIN in JWT – SecurityConfiguration File – makes operations for internal communication for services, manage users and slots
OPEN	Endpoints with /auth - are open for everybody, location is open for everybody

In this case, we covered both frontend and backend with security. Additionally, we added API Gateway, used Eureka, OpenAPI documentation for services.