# Faculty of Computer Science & Engineering

## **„Park here“**

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### Description

Since parking is a problem in almost every city around the world nowadays we decided to make an application to help citizens to find parking places especially in a „season period“. Our application „Park here“ is working in a simple way. Users have to pick a small area in the city and the application will show them all available places for parking at that moment. The map where users pick an area is interactive so if there are some free places to park, the application will navigate users to the location. Data that we are using is from openstreetmap which provides travel time, so our users are able to see traveling time to the destination. Once when users come to the destination they confirm their arrival on application so the new data can be stored. Place becomes free after users paid for their time spent on place. After that database is upgraded again. For now the application only works on the territory of Rijeka but in the future we are ambitious to cover parking places for the whole country.

### Functional Requirements

1. Application is available for PC (Windows, Linux, Mac) aswell for mobile devices (iOS, Android)
2. Data is provided from Open Street View so all futures from are accessible (location, time travel, route)
3. Places that application offers are all places around the city with payment method
4. The system works with an interactive map so users can easily find location and routes
5. Application have "confirmed" button to change free parking place to occupy
6. Users are able to see status of parking places (Free/Occupy)
7. Application have "Help" menu option to help users get to know with system and the way how it works
8. Languages available in application are Croatian, English and Italian

### Non-Fuctional Requirements

1. Users have to make an account to be able to use application
2. Application is interactive with low percentage of delay
3. Application should be very easy to use for all users
4. System is updating every time when users confirm arrival or after payment (if there is no interaction with users, the system is updating every 5 minutes)
5. Application responding on request within 10 sec
6. Database is able to store around 100 000 parking places
7. Application is 99% secure (users locations are not available for anyone)