



First Community Driven
Parking App

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01

Inspiration

Inspiration

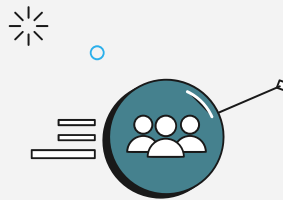
Problem??

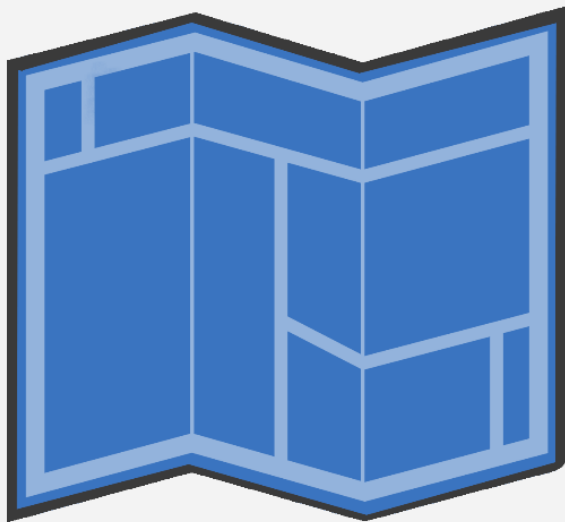
One of the biggest problems for the inhabitants of Thessaloniki is parking. With narrow streets, high vehicle density, and limited parking spaces, finding a spot—especially in the city center—can be a daily struggle. Illegal parking is common, worsening traffic congestion and making commuting even more frustrating for residents.



Our solution

A community-driven mobile application that leverages both community power and technology to improve citizens' quality of life by making parking easier and more efficient. Aligned with NetCompany's approach to using technology for impactful solutions, this app integrates real-time data and user collaboration to tackle everyday urban challenges.

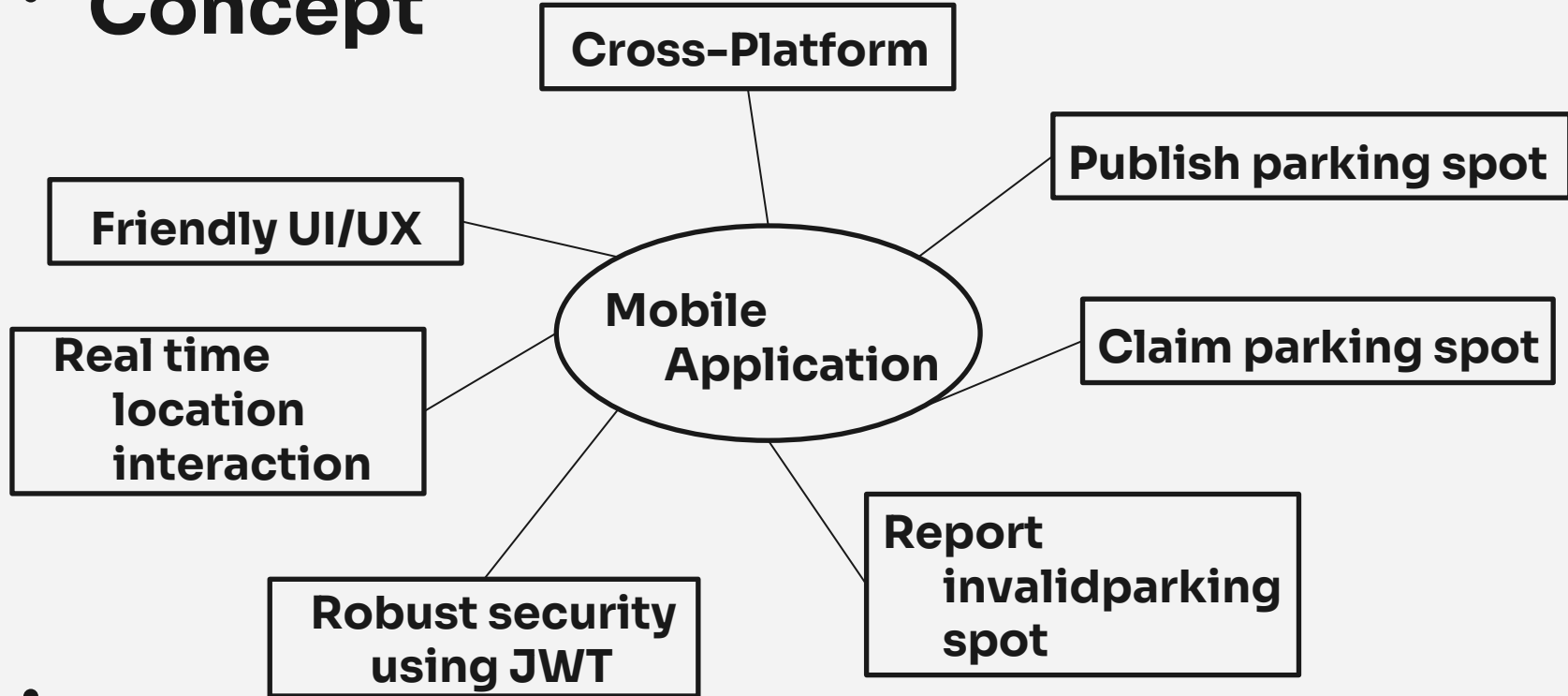




02

Concept

Concept





03

Features

Features



Map

- Interactive map environment with real time location tracking.
- Supports Google Maps API



Markers

- Available parking spots listed on top of the map.
- Multiple states support.
- Real time update



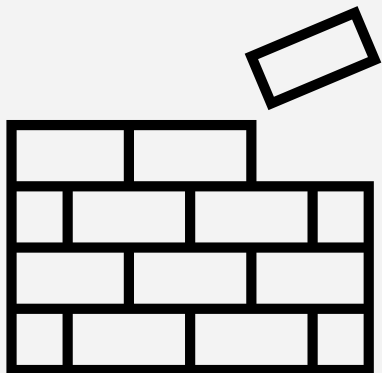
Actions

- Location based parking spot claiming and marking
- Handle updates when a user do a report for this marker.



Security

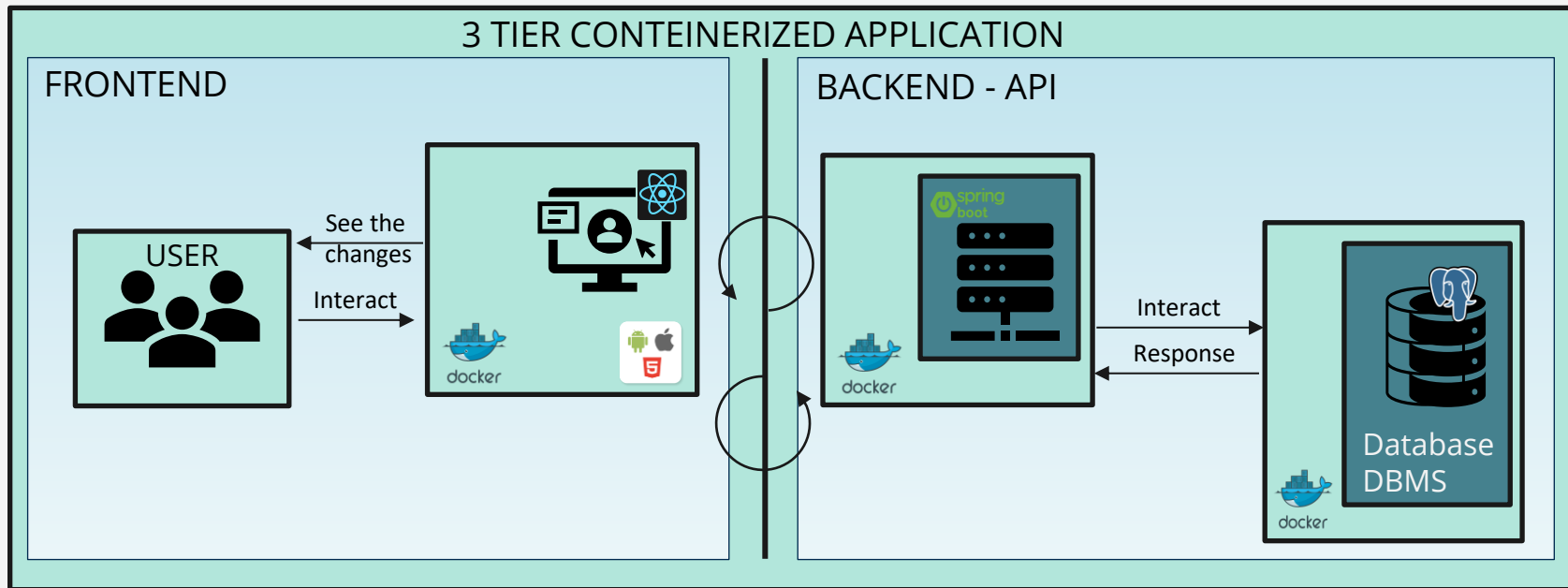
- End to end security for user
- Encrypted sensitive information's

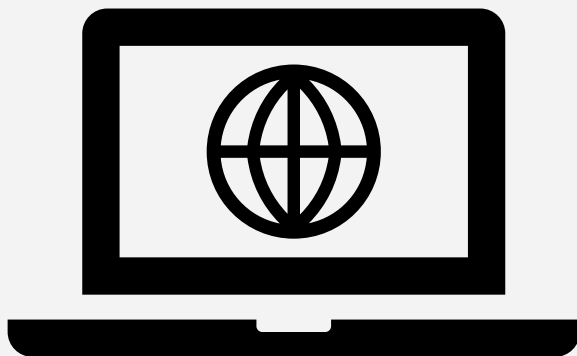


04

Architecture

Architecture





05

Implementation Details

Tech Stack

Frontend

- Npm
- Expo
- React Native
- Google Maps API
- Typescript

Backend

- Spring Boot 3
- Restful API
- Authentication JWT
- Spring Security
- Java 17
- Postgres SQL