



Group T2302

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Problem

- Global food waste: 13.8% of food wasted
- Environmental impact: Greenhouse gas emissions
- Restaurant surplus: Unpredictable customer demand
- Resource loss: Production and transportation
- Consumer access: Limited availability, high prices



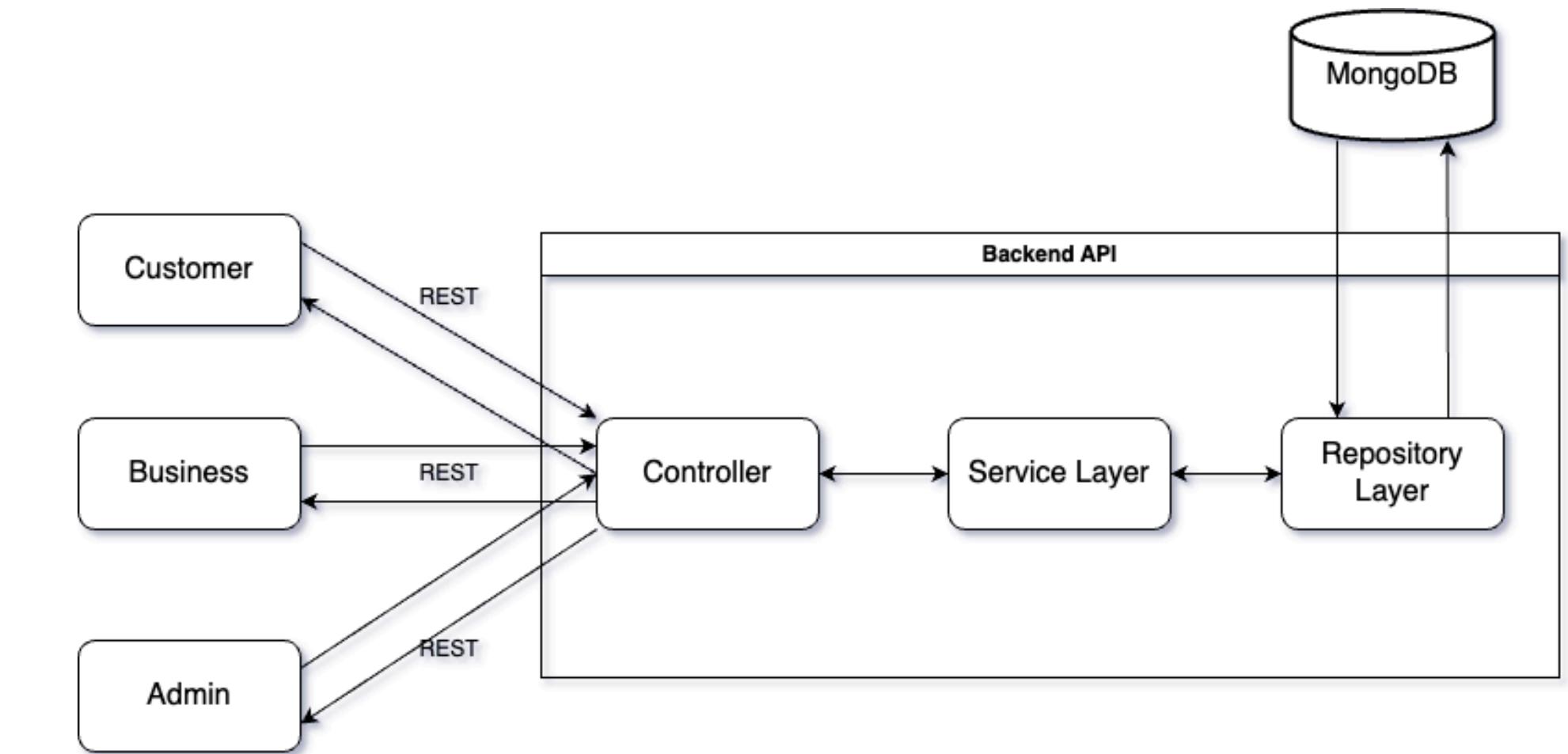
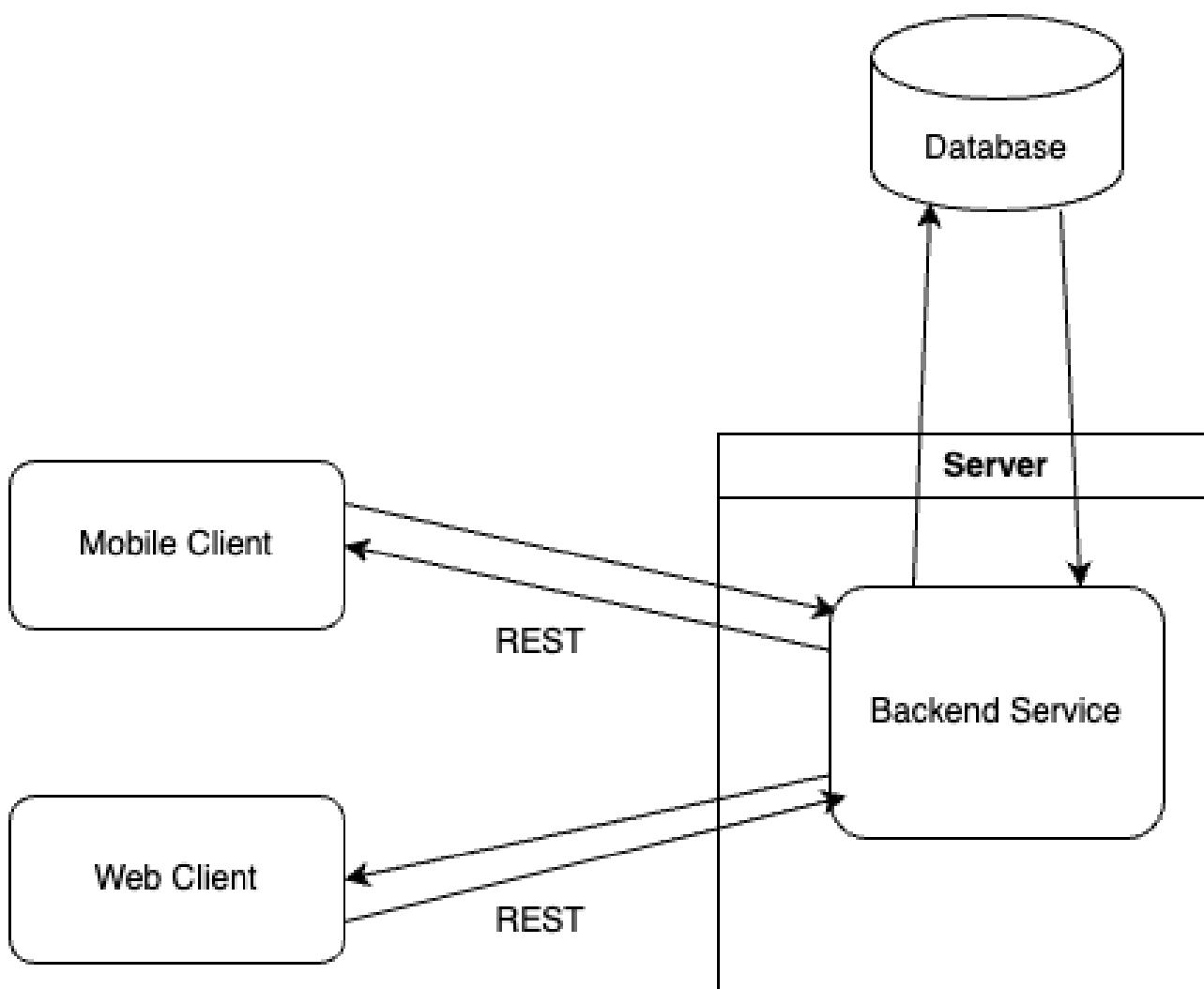


Solution

- Yicem app: Connects surplus food sellers with discount-seeking consumers
- Real-time listings: Discounts on soon-to-expire food items
- Environmental impact: Reduces food waste, cuts emissions
- Economic benefits: More revenue for sellers, affordable dining for consumers
- Increased accessibility: Widens customer base, boosts sales

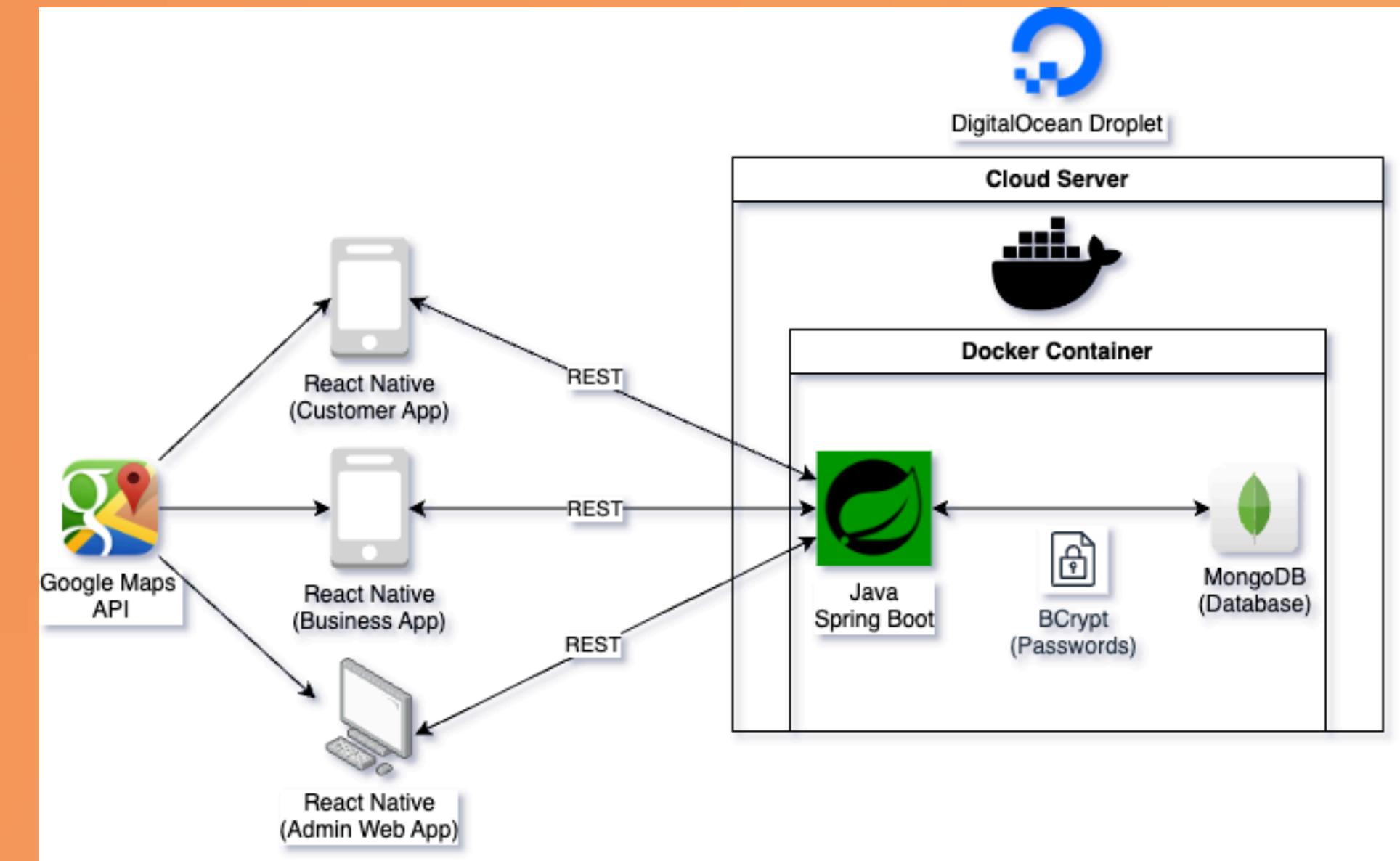


Software Architecture

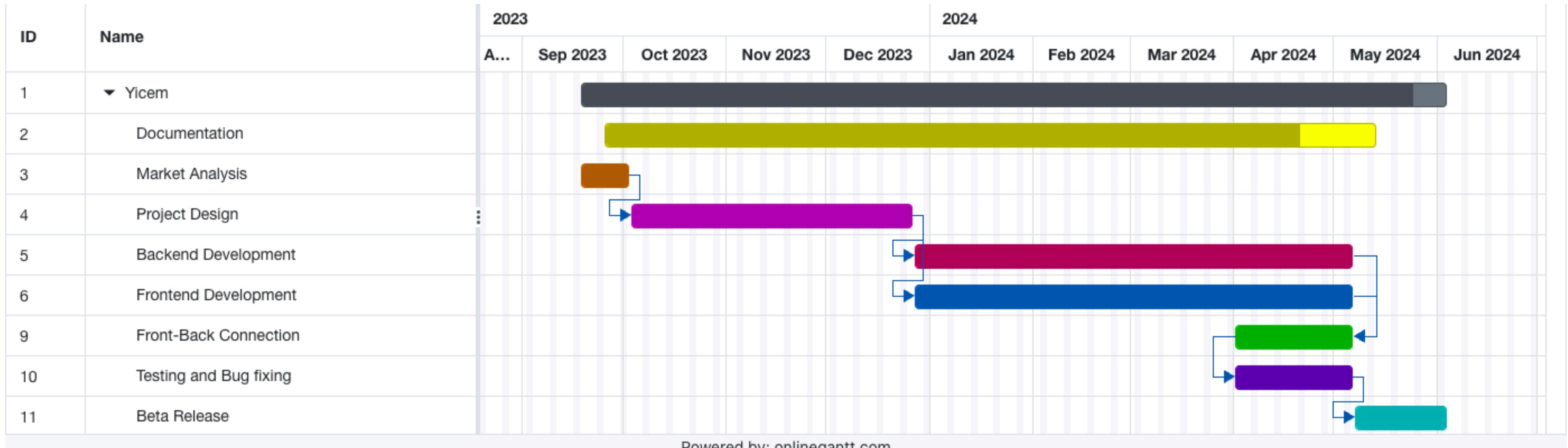
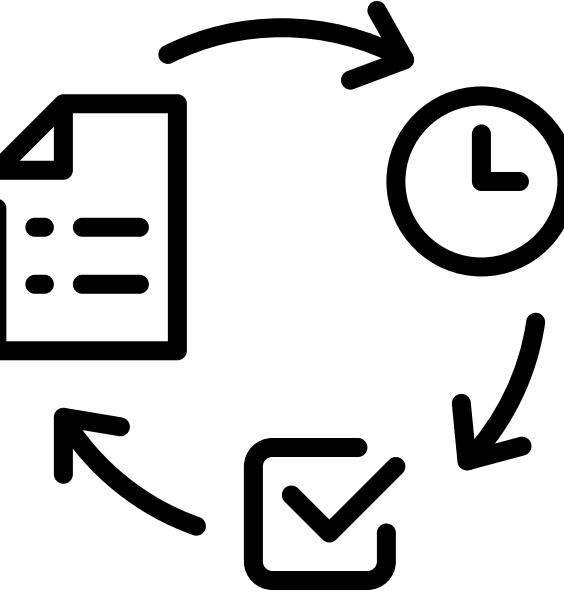


Implementation Details

- Frontend → React Native
- Backend → Java Spring Boot
- Database → MongoDB
- Cloud Server → DigitalOcean
- Containerizing → Docker
- Maps → Google Maps API
- Architecture → Client-Server
- Version Control → GitHub



Project Plan



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Yicem's Current Status

Health Card

Task	Status	Priority
Project Specification Report	Completed	High
Analysis Report	Completed	High
Detailed Design Report	Completed	High
Final Report	In progress	High
Customer Backend Service Implementation	Completed	High
Business Backend Service Implementation	Completed	High
Admin Backend Service Implementation	Completed	High
Customer Mobile App Implementation	Completed	High
Business Mobile App Implementation	Completed	High
Admin Web App Implementation	Completed	Medium
Google Maps API Integration	Completed	Medium
Testing	Completed	High
Analytics Page	In progress	Low
Deployment of frontend and backend to cloud	In progress	Low
Launching The App	Incomplete	Low

Lessons Learned

Problems

- Indecisiveness, suboptimal coordination
- Poor planning in some tasks
- Bottleneck problem

Solutions

- We needed someone to perform role of project manager
- We needed to take immediate action when we encountered a problem and have a new plan immediately to follow.

Work Allocation

EGE ÇENBERCİ: BACKEND DEVELOPMENT, TESTING

**ÖMER BURAK DOĞAN: BACKEND DEVELOPMENT,
INFRASTRUCTURE, TESTING**

**YAĞIZ ÖZKARAHAN: FRONTEND DEVELOPMENT,
TESTING**

**BİLGEHAN SANDIKCI: FRONTEND DEVELOPMENT,
TESTING**

**AHMET ALPEREN YILMAZYILDIZ: BACKEND
DEVELOPMENT, INFRASTRUCTURE, TESTING**





Thank you!

Now, it is demo time.

