



TransitBLU

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What is TransitBLU?

We are a customizable bus tracking service. Allowing you to always get the latest information on where you need to go.

Features








- Walking speed
- Saving favourite routes
- Interactive Map
- Step by Step directions with time
- FeedBack



Tools



TB

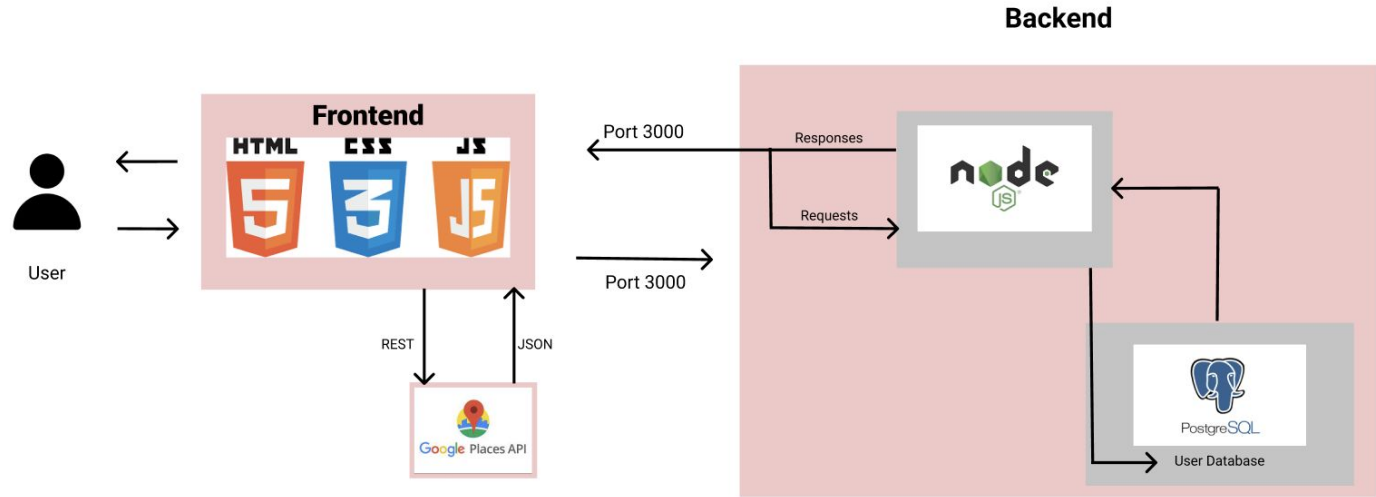
- Project Tracker - Jira  ★ ★
- Version Control - GitHub  ★ ★ ★ ★
- Backend API - Node.js/Express  ★ ★ ★ ★
- Relational database - PostgreSQL  ★ ★ ★
- Containerization - Docker  ★
- API - Google Maps Javascript API  ★ ★ ★ ★ ★
- Deployment - Local Host  ★ ★ ★ ★

Methodologies

- Agile
- Iterative
- Paired Programming
- Peer code reviews



Architecture Diagram



Database Diagram

users	
id	int
full_name	varchar
username	varchar
password	varchar
fav_routes	array
walking_speed	int

routes	
id	int
departure	varchar
arrival	varchar
time	int
on_time	boolean

feedback	
id	int
message	varchar
time	time
read	boolean

Challenges

1. Integration/Communication
2. Postgres/Docker/Node synthesis
3. Modifying the data as it comes from the Google API
4. Favorite routes for each user
5. Finding the users position

