



P4RK

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P4RK is an interactive parking application designed to eliminate the frustration of finding parking in urban areas and busy venues.



How is this accomplished?

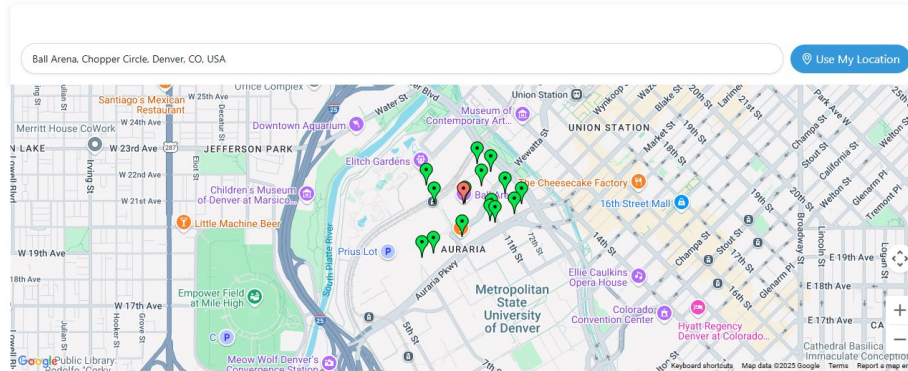
Using our interactive map interface, users may share their location, or search for a destination to view nearby parking locations

Location & Nearby Parking

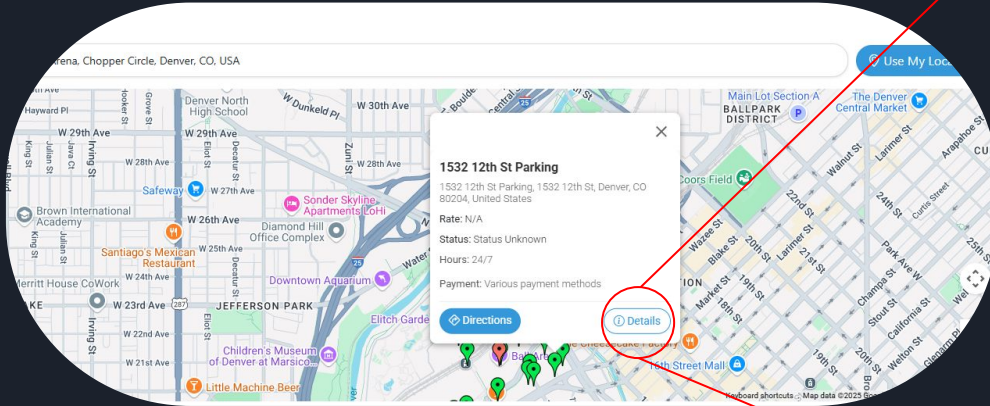
P4RK

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[Log Out](#)



Selecting a Parking Location



1532 12th St Parking

1532 12th St Parking

Status Unknown

1532 12th St Parking, 1532 12th St, Denver, CO 80204, United States

Capacity information not available

Distance: Distance unknown (Unknown walk)

Hours: 24/7

Pricing Information

Hourly Rate	\$3.50
2 Hours	\$7.00
4 Hours	\$14.00
All Day	\$28.00

Facility Features

- Well-lit facility
- Security cameras
- Accessible spots available

Payment Methods: Various payment methods

Operated by: N/A

Get Directions

Data provided by HERE Technologies Parking API

Close

Frontend



HTML:4/5



Handlebars:5/5



CSS:3/5



JavaScript : 5/5



Bootstrap:4/5

Bootstrap Icons:4/5

Backend



Node.js:5/5



Express.js:5/5



Express-Handlebars:5/5



Express-Sessions:4/5

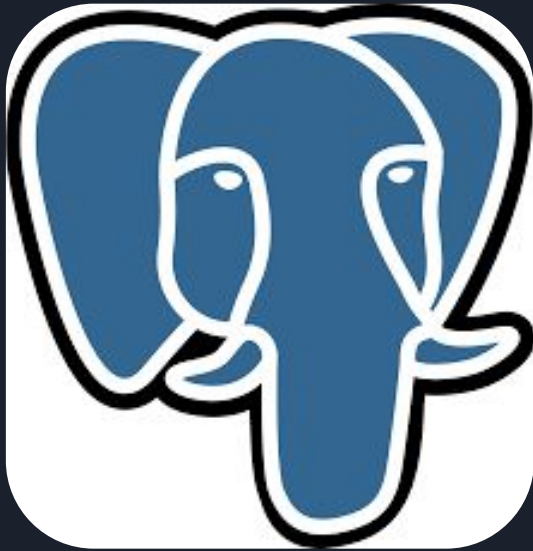
APIs



&



Authentication



PostgreSQL:5/5



bcryptjs:5/5



Express-Sessions:4/5

Development Tools



Docker & Docker Compose:3/5

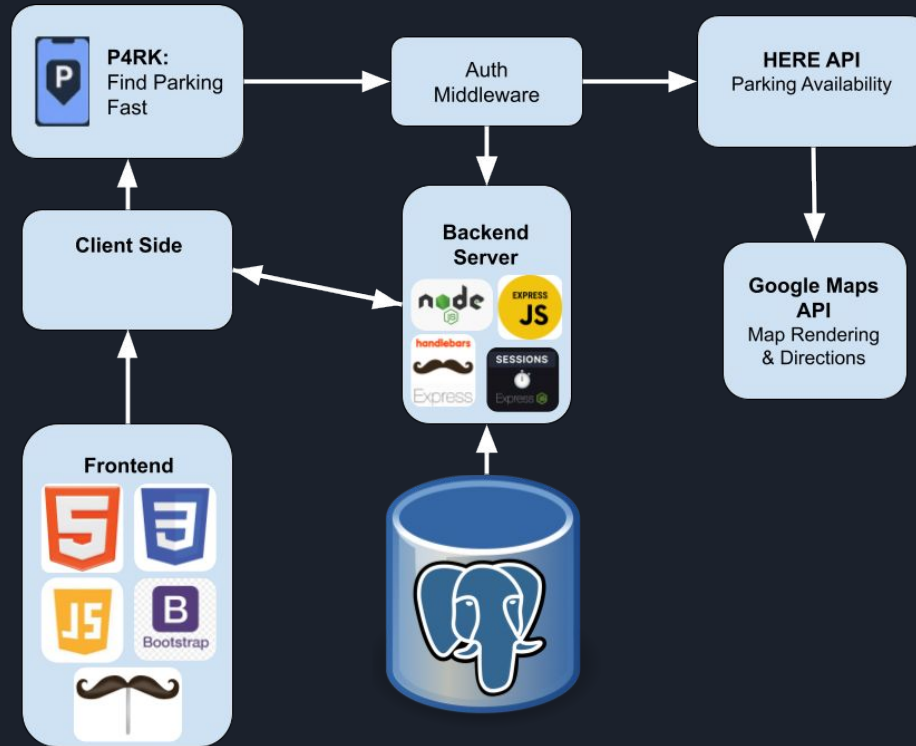


Nodemon:5/5



Mocha & Chai (Testing Frameworks):4/5

Architecture





Methodologies

Pair Programming

- Sections of website divided (UI, Map API, Authentication, etc.)
- Sections assigned to pairs

Iterative

- Base Version: Skeleton created for each section of website
- Newer versions iteratively created to enhance the previous version of the page



Challenges

- Here Parking API:
 - Payment required to unlock all capabilities, limiting the functionality of our site
- GitHub:
 - Managing a GitHub repository across the team
 - Early challenge
- Google Maps API:
 - Caused issues across the team due to premium model



Future Scope / Enhancements

- Improve the functionality by paying for the premium API versions
- Search filters for the search bar to limit results
- Settings page to set default search filters
- Storing recent parking for future use



Thanks so much!