Campus Crawl

Jacob Bennett, Ridge DeJong, Mitchell Niesar, April Volzer, Sebene Yi

Vision

- Create an easier way for new students and parents to see the campus
- Provide information & news about the buildings
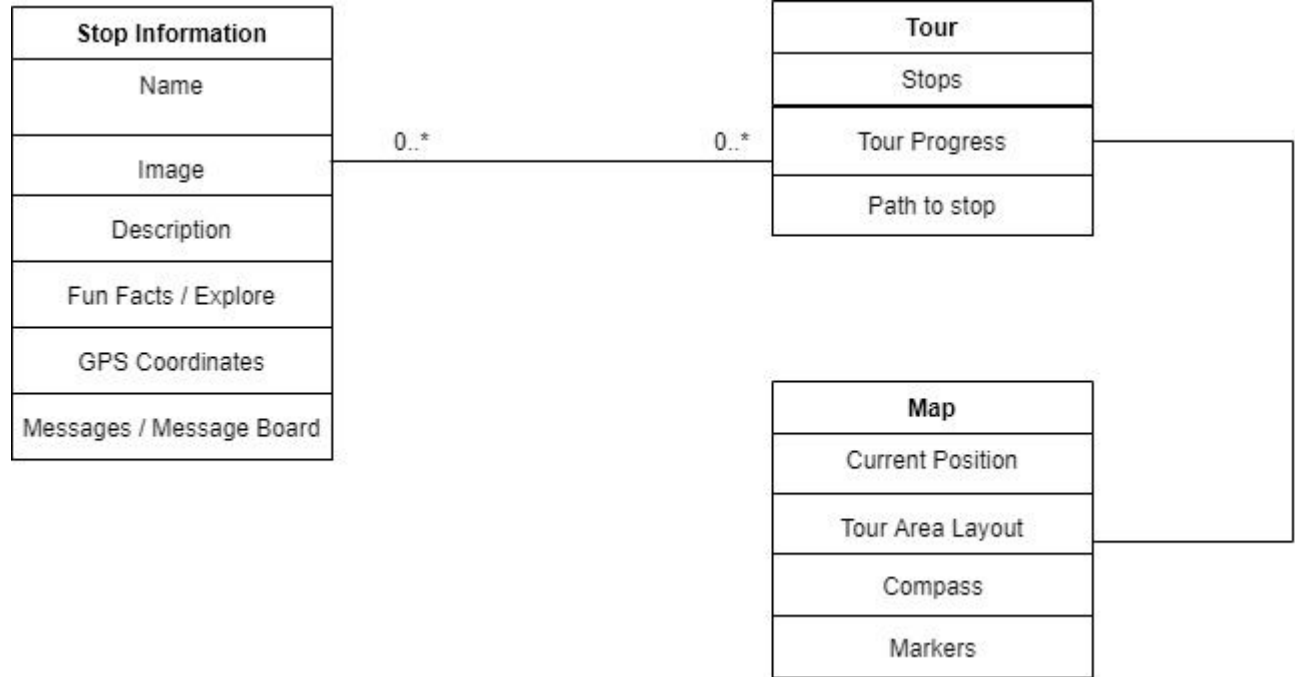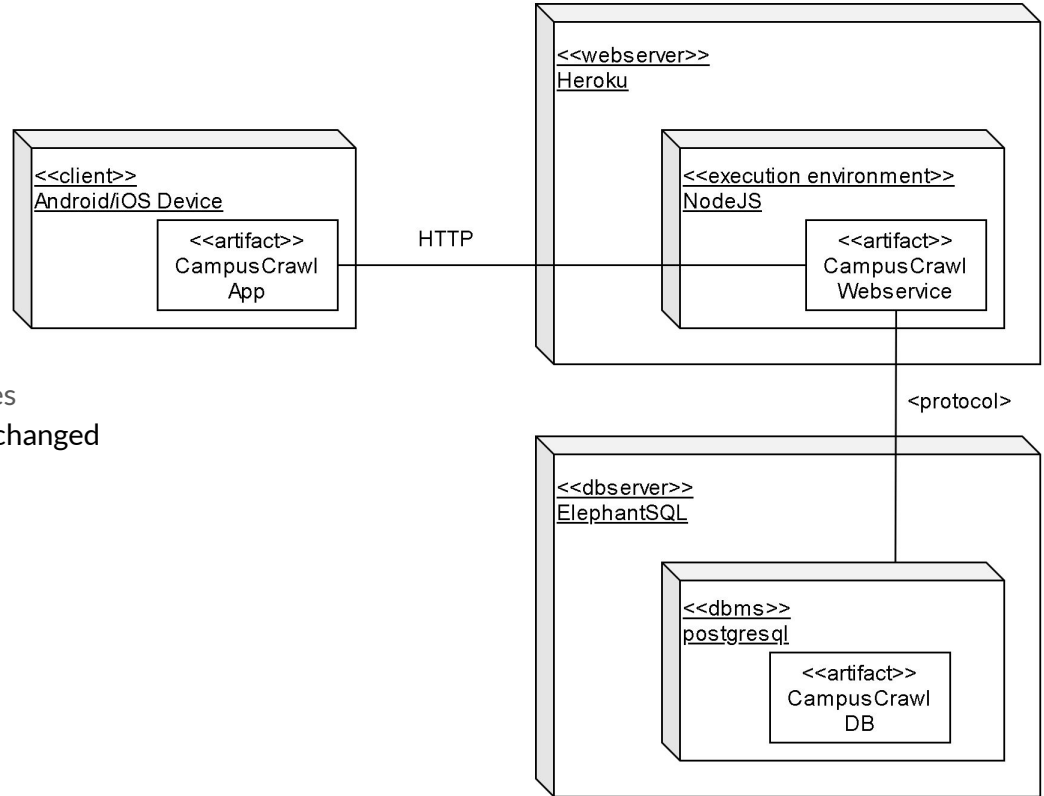- Students can take the tour whenever instead of booking and waiting

Demonstration

Database

- Tour(s) (client)
- Stops (on server)
- Map (client)

Stop Information
Name
Image
Description
Fun Facts / Explore
GPS Coordinates
Messages / Message Board

0..*   0..*

Tour
Stops
Tour Progress
Path to stop

Map
Current Position
Tour Area Layout
Compass
Markers

Design

- Restful API, Client and Server side
- Heroku -> security
  - Randomized security keys and tables
  - **Modularization of data that can be changed**
- One map page for simplicity
  - IOS and Android
- Changes->
  - About button
  - Auto pop-up
  - Clarity of current location

<<client>>
Android/iOS Device

<<artifact>>
CampusCrawl
App

HTTP

<<webserver>>
Heroku

<<execution environment>>
NodeJS

<<artifact>>
CampusCrawl
Webservice

<protocol>

<<dbserver>>
ElephantSQL

<<dbms>>
postgresql

<<artifact>>
CampusCrawl
DB

Assessment

- Functionality
  - Strengths and Weaknesses
- Future
  - More functionality
- Ethical Implications
  - Trade-off
  - Social

Q&A

Thank you!