DUDETRUCK

LEADS YOU TO A FOOD TRUCK

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Easier way to locate food trucks & **cater** to user preferences.

Web based – accessible from desktop, tablet, or phone

Locator Settings

Food Truck Preferences

Map Preferences

Feedback

3 Main pages:

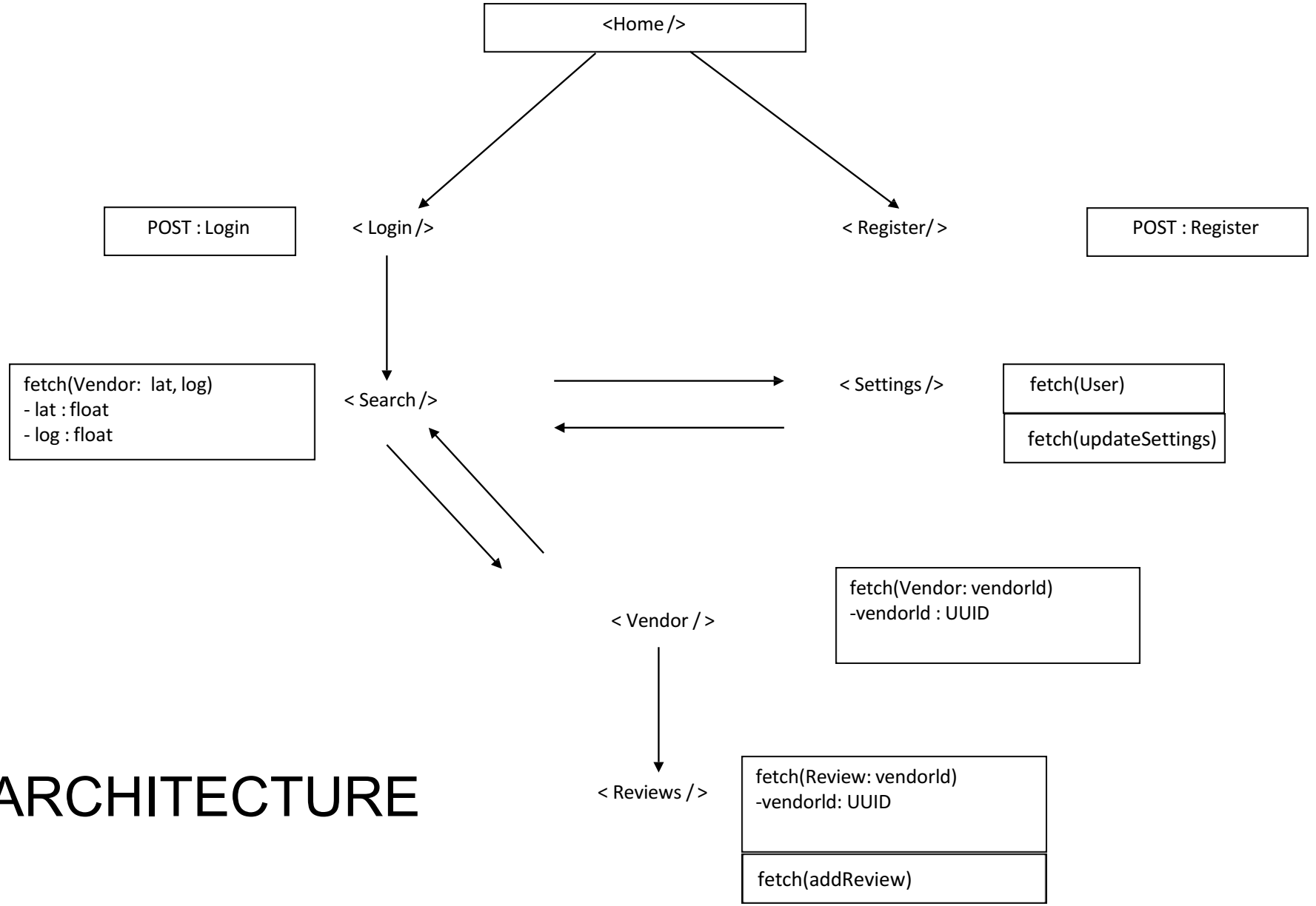
1. Home – Welcome message and links to register/login

2. Map – show food truck locations that will fit users' preferences

3. Settings – users' way to filter & personalize preference

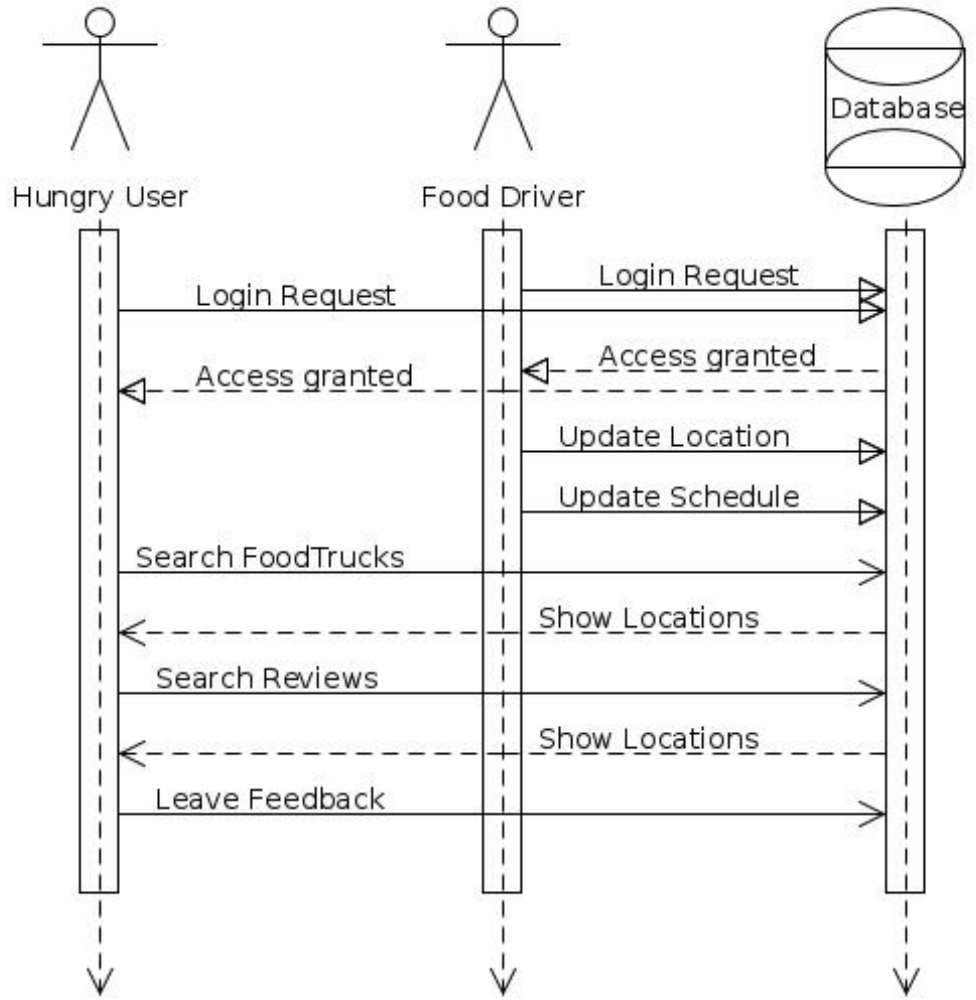
SYSTEM ARCHITECTURE

CLASS DIAGRAMS



SYSTEM ARCHITECTURE

SEQUENCE DIAGRAMS



DATABASE SCHEMA:

```
User:
        id              UUID            primaryKey
        email           STRING
        password                STRING          (hashed with bcrypt)
        type            STRING          (vendor | user)
        isVegetarian    BOOL
        isVegan                 BOOL
        isGlutenFree    BOOL
User.hasMany(Review)

Vendor:
        id              UUID            primaryKey
        logo            STRING          (link to AWS S3)
        lat             FLOAT
        log             FLOAT
        description     STRING
        isVegetarian    BOOL
        isVegan                 BOOL
        isGlutenFree    BOOL
Vendor.hasMany(Review)

Review:
        id              INT             primaryKey
        vendorId                UUID            foreignKey
        userId          UUID            foreignKey
        text            STRING
        rating          INT             (1-5)
```

Process:

Risk Assessment:

- Not being able to locate the food trucks
  - Impact: High, main focus of app
  - Evidence: Google Maps API may not be able to track user or display location
  - Steps: Focusing on backend, constantly testing app
  - Plan: Utilize Trello to track bugs and group tester

- Not being able to filter user search based on preferences
  - Impact: Medium, important to app, but not main focus.
  - Evidence: None presented
  - Steps: As problems arise
  - Plan: Utilize Trello and group tester

Process:

Project Schedule:

- Familiarize self w/tools: 1 DD(Developer Day) per developer
- Implement Routes and Components Skeleton Code
  - 1sth thing to do
  - Backend handle using GraphQL
- Implement getting user location: 1 DD
- Incorporate Google Maps: 3 DD
- Implement Login/Register: 1 DD
- Implement GraphQL Types & Skeleton Code: 3 DD
- Implement GraphQL resolve functions: 2 DD /GraphQL resolve
  - Currently have 7 GraphQL queries planned
- Implement Frontend Barebones: 1 DD per component
- Implement Frontend Aesthetics: 1 DD per component

Total: ~45 DD.

Process:

Test Plan:

- Manually test the app.
- Developers will create automated tests using Mocha and Jest.
  - Set to run automatically before each commit (code will not be able to be committed without passing tests).
  - Bugs found will be documented in Trello
    - Written test case in order for bugs not to re-occur.

Coding Style Guidelines:

- AirBnb's JavaScript style guide – https://github.com/airbnb/javascript/blob/master/README.md
- Code is run against linter configured to style guide.
  - Code will not commit without passing linter.