

# **LineUp Software Requirements and Architecture**

Team Aphrodite

# Purpose

Application for creating, managing  
and joining queues on the fly



# Features

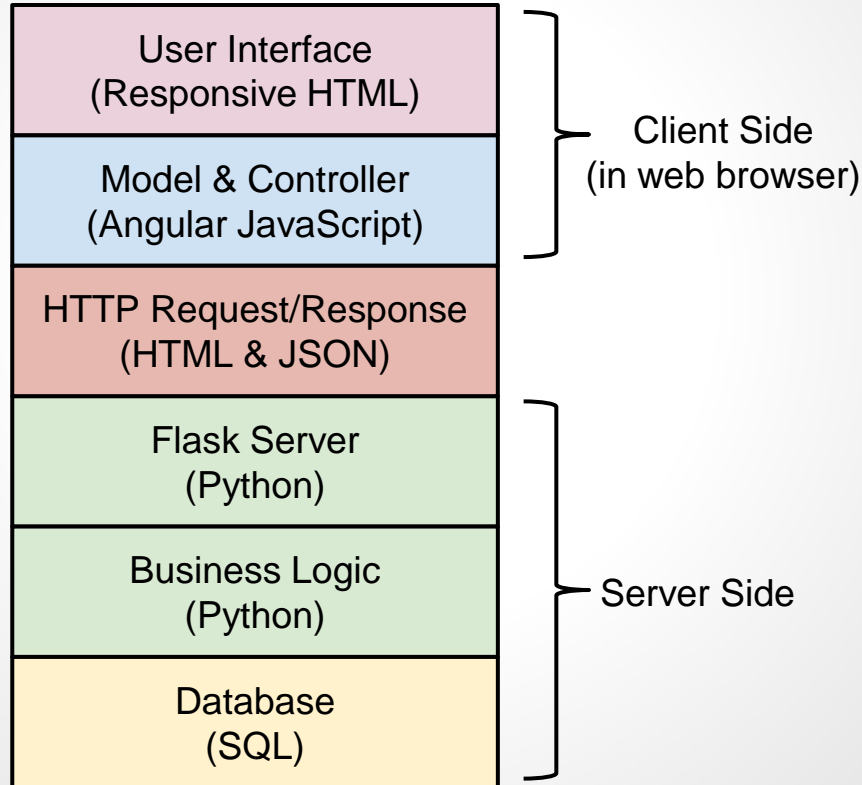
- Persistent Queues
- Position Control
- Analytics

## Design Goal

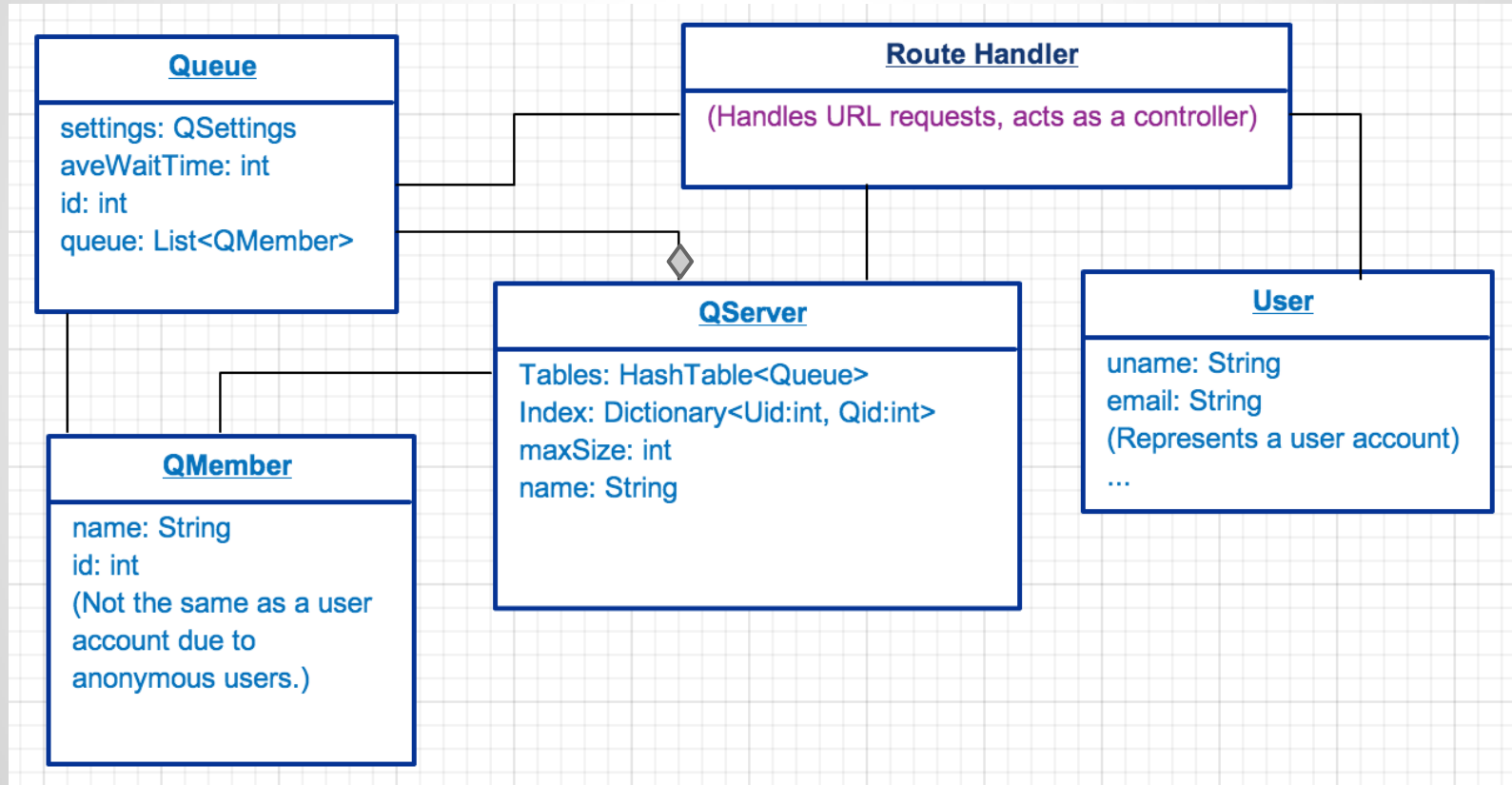
- Versatility



# Planned Implementation



# Simplified Class Diagram



# Design Decisions

## Anonymous users vs accounts

- Displaying user names in the queues vs. only displaying position
- Generating a user id for anonymous users to allow them to access the queue they joined.

# Risk Handling

1. Handling member types
2. Choosing the right framework
3. Organizing teamwork & platform consistency
4. Managing feature creep
5. Implementing user accounts in zero-feature

# Timeline/Team Structure



- Zero-Feature
- Beta Release
- Feature-Complete Release
- Release Candidate
- 1.0 Release



# Testing

- Server side unit testing and stress testing
- Client side system tests
- Usability tests

# LineUp

We know you will all be lining up to use our product...