



Where's My Bus?

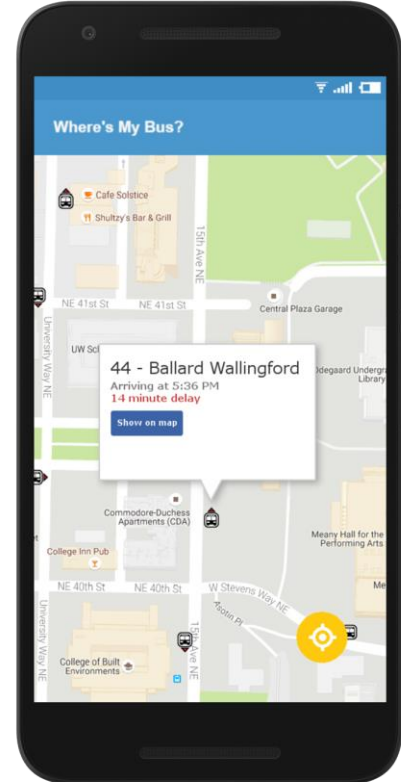
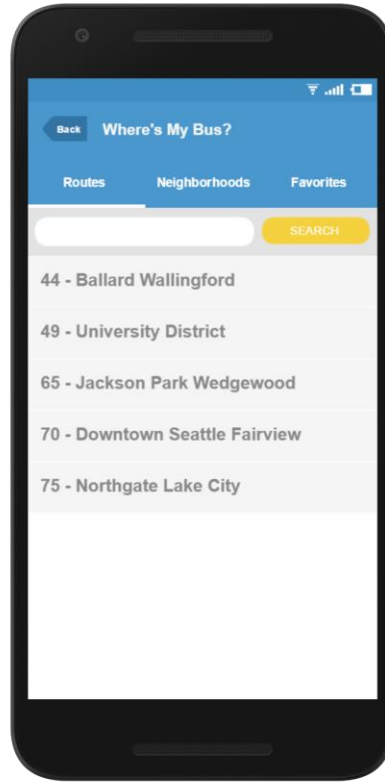
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Purpose

- Provide users real-time bus alerts
 - Communicate with other riders
 - Get updates directly from transit agencies
- Complement OneBusAway

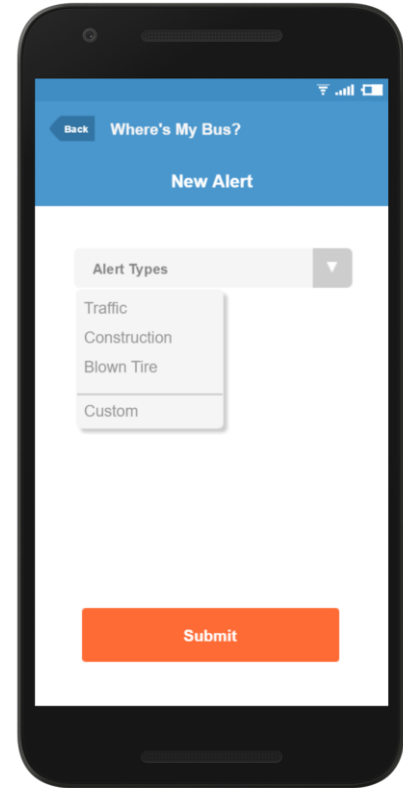
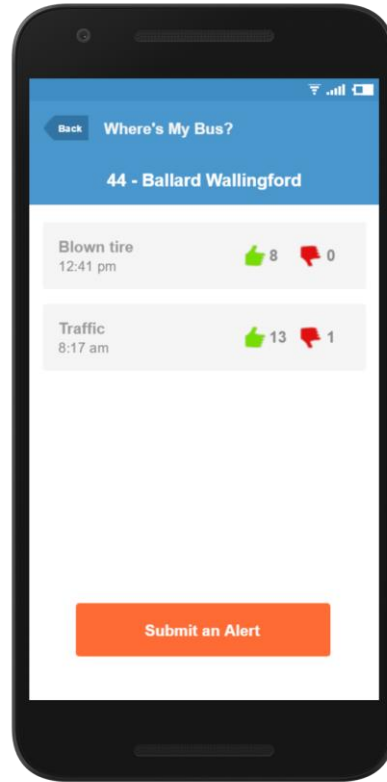
Features

- Search from catalog
- Search on map



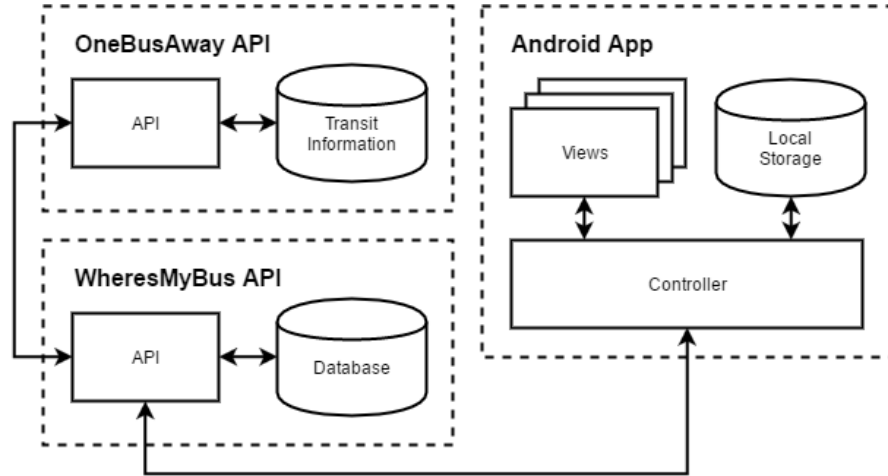
Features (cont.)

- View alerts
 - For bus route
 - For neighborhood
 - On the map
- Post alert



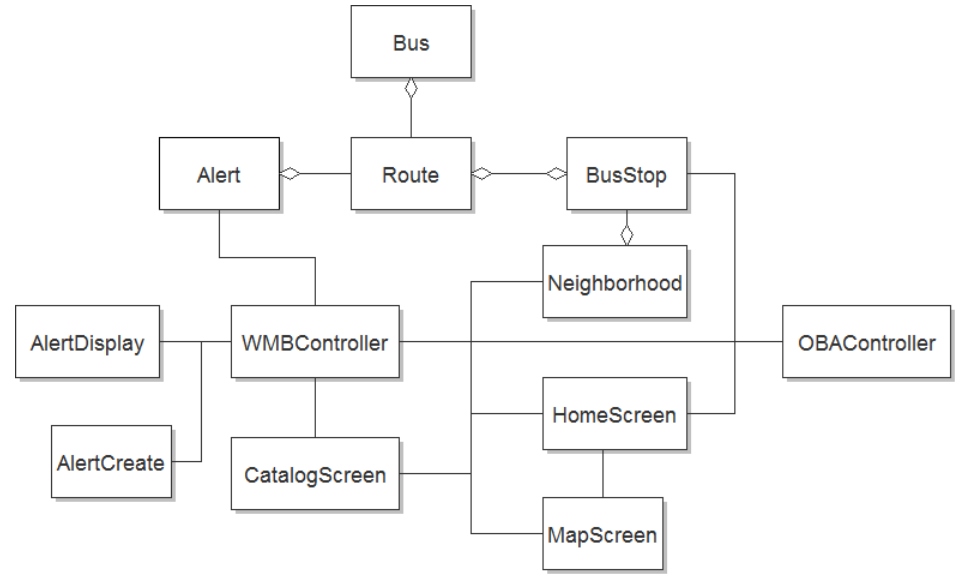
Design

- Alerts are handled through our WheresMyBus API
- Most other data (buses, routes, etc.) will come from OneBusAway's API



Design (cont.)

- Bus Routes contain multiple bus stops
- Buses correspond to some route
- Neighborhoods are regions used to select a subset of other data
- Alerts contain text, route, date/time, duration, location, and bus ID



Planning

- Groups
 - Front-end
 - Back-end
 - Testing
 - Crossover

Risks

- Real world tests
- Defining neighborhoods
- Getting alert information from transit agencies
- Finding optimal lifetime of alerts
- Getting enough user-submitted alerts

Testing

- Unit testing: clear box and black box
- System testing: dedicated testers, mock data, Appium
- Continuous integration: Travis
- User testing, with mock data

