

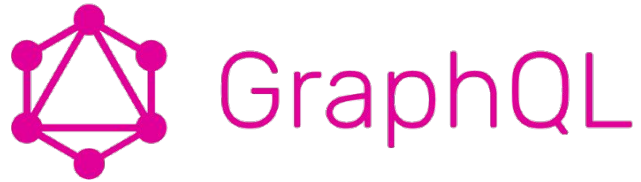
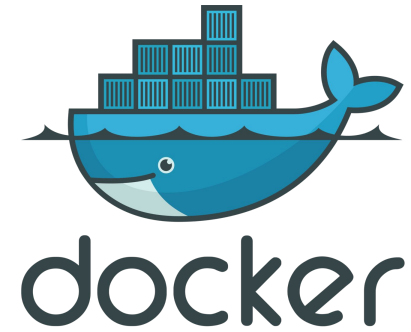


Detailed Requirements & Architecture

Team 3

Tom Walsh, Jason Ballantyne,
Jonathan Farrell & Seán Keyes

django



Technology

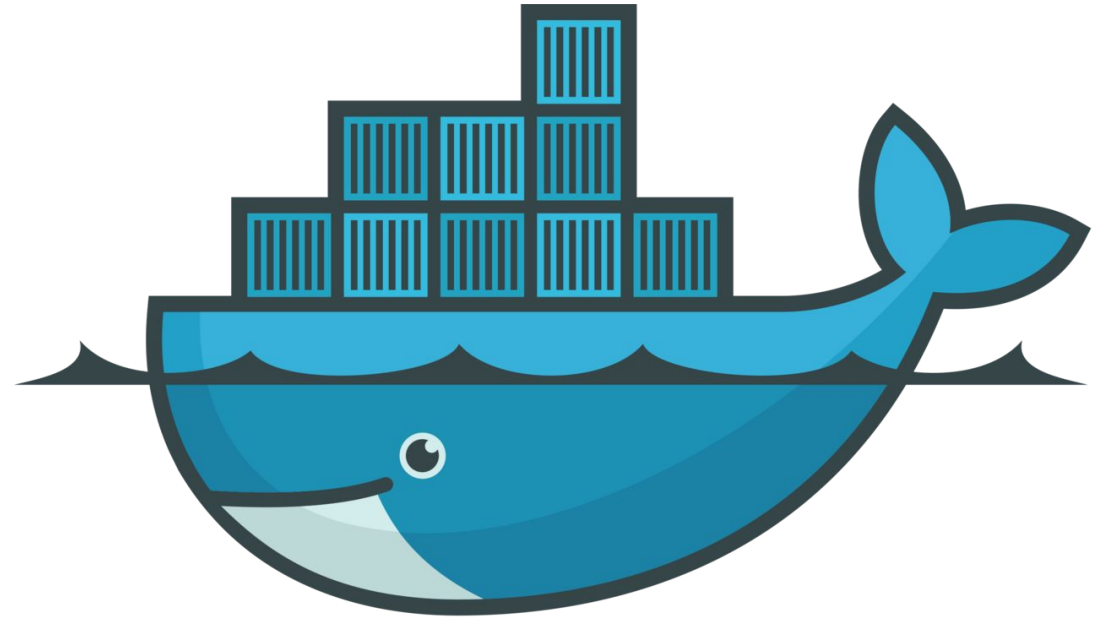
Database

- ❑ Reliability
- ❑ Familiarity
- ❑ Widely Used



Production

- ❑ Compatibility
- ❑ Efficiency



docker

Back End

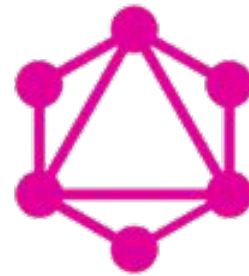
Django:

- ❑ Batteries-Included
- ❑ Community

GraphQL:

- ❑ Prevents under/over fetching

django



GraphQL

Front End

React:

- ❑ Performance
- ❑ Industry Standard
- ❑ Ease-of-Use

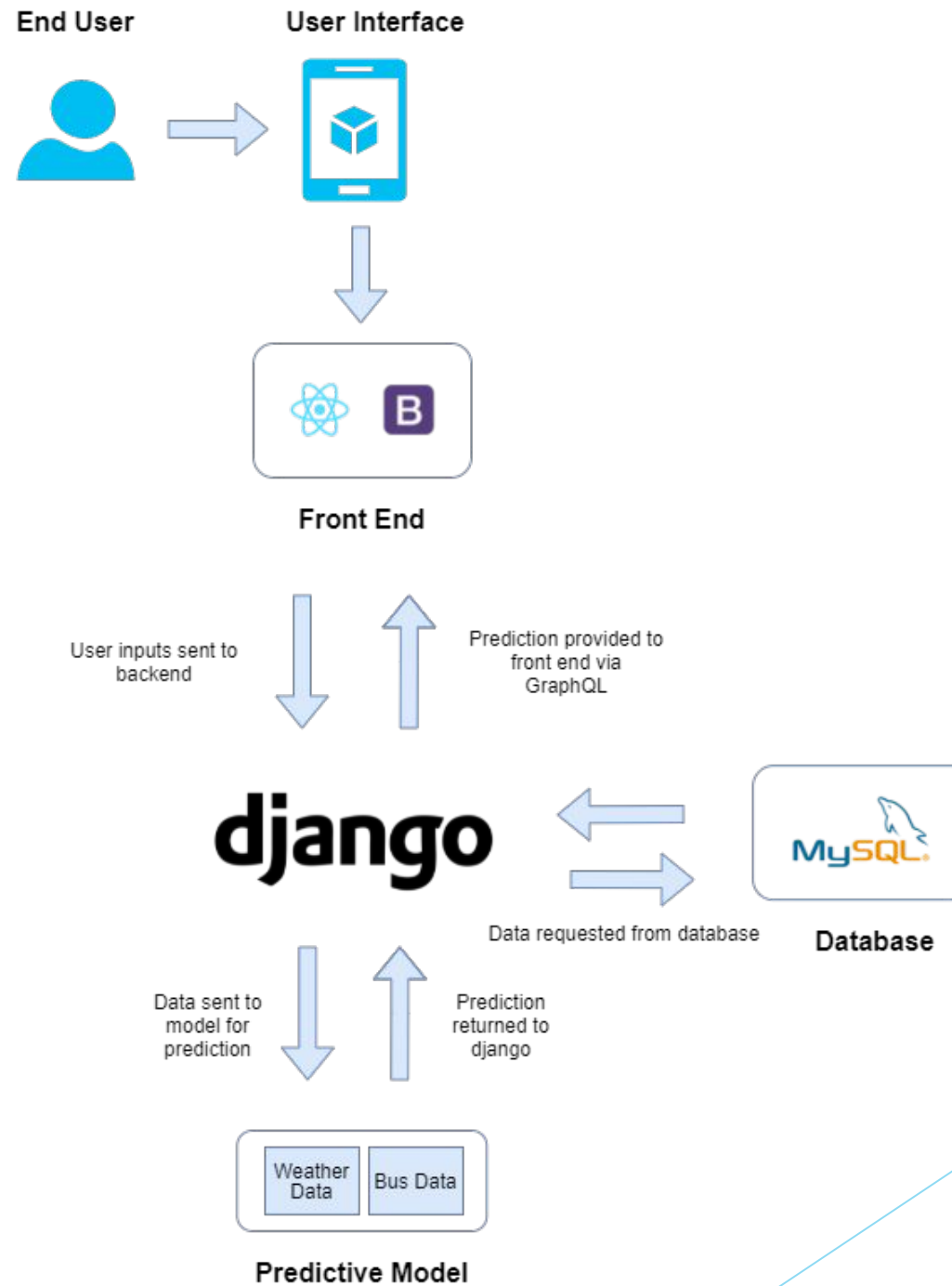
Bootstrap:

- ❑ Fast & Time-Saving Framework



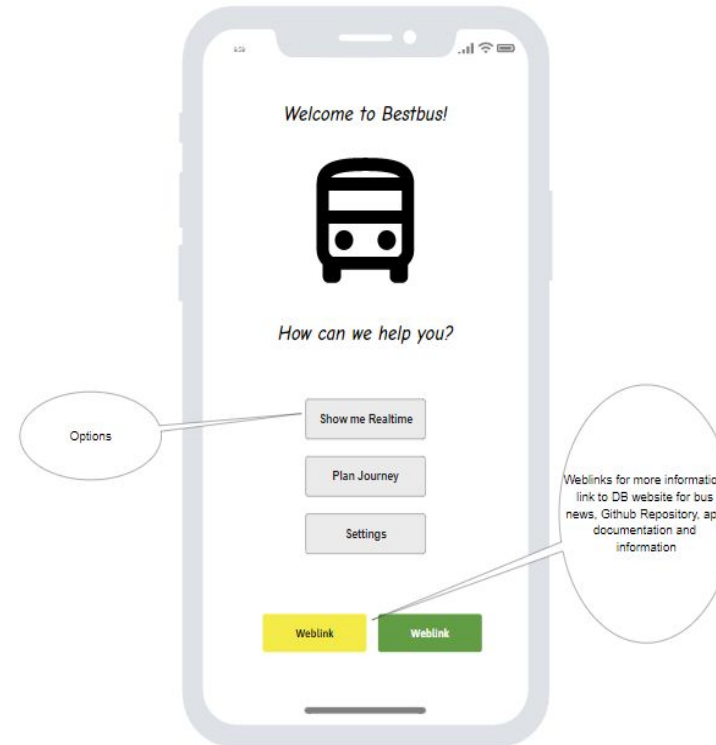
Bootstrap

Data Flow



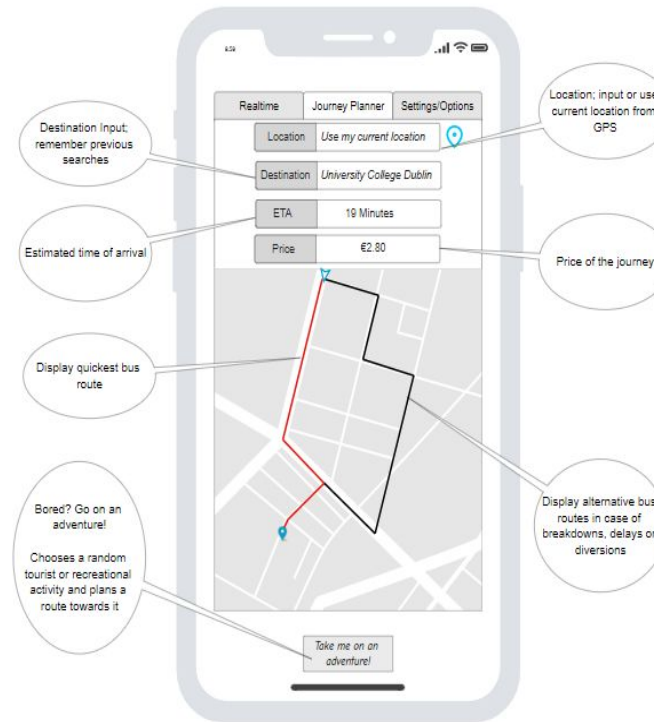
Functional Requirements

- ❑ Realtime Information
- ❑ Group Travel
- ❑ Pricing
- ❑ Favourites
- ❑ Mobile Friendly
- ❑ Interactive Map
- ❑ Connection to other modes of transport (Irish Rail, Luas, etc.)
- ❑ Google login



Non-Functional Requirements

- ❑ Performance
- ❑ Security
- ❑ Reliability
- ❑ Maintainability





Thank you

Questions?