Challenges and Takeaways

Challenges

- New build system: gulp
  - Getting orientated
  - Running tests: importing react components fails
- New library: RxJS
  - Create and subscribe to event streams
  - "Stores" on frontend, "Models" on backend
    - Multiple objects storing application data on front and back
  - Distributed application file-structure
    - Move through several action files to find action
    - Easier to navigate using global search

Challenges

- Project planning
  - Started coding with unclear application architecture
  - Adopted entirely different codebase two weeks in
    - Required reorientation to client and server architecture
  - MVP incomplete until two weeks in
    - Need to prioritize MVP over optimization initially
      - Iterate for optimization after

Takeaways

- Clearly plan project before coding
  - Architecture and libraries to be used
  - Features and timeline of MVP
  - Flow-chart of event propagation through application
    - (if new/unfamiliar application architecture)
- Global search saves time!
  - Useful for tracing actions/variables through multiple files and folders
  - Available sublime and atom

Takeaways

- Collaboration
  - Frequent git push
    - Hinders teammates awareness of recently completed code
  - Live collaboration schedule
    - Helps tackle problems together and plan work distribution
  - Checking in
    - Helps plan and distribute work