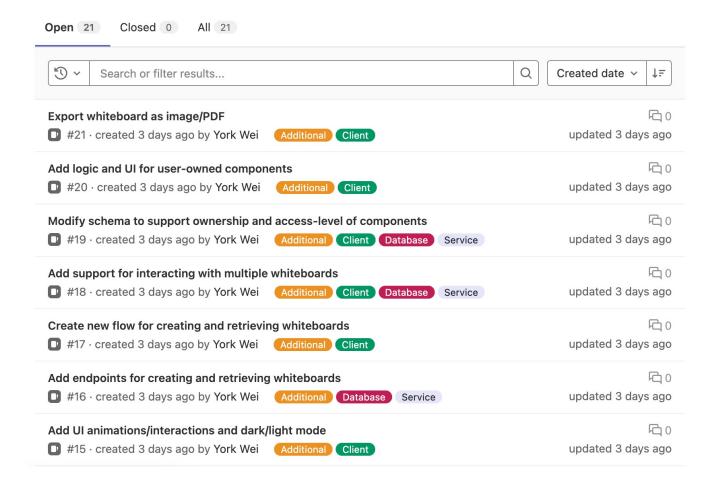# PROJECT REVIEW
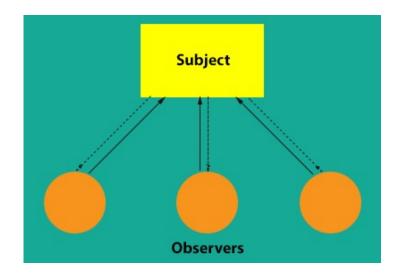
CS 346

Team 204

Project Requirements

Design Patterns

- Observer Design Pattern
    - Multiple users will be connecting to the whiteboard at once
    - Server will sync and publish changes to users
- Decorator Design Pattern
    - UI will have a base window
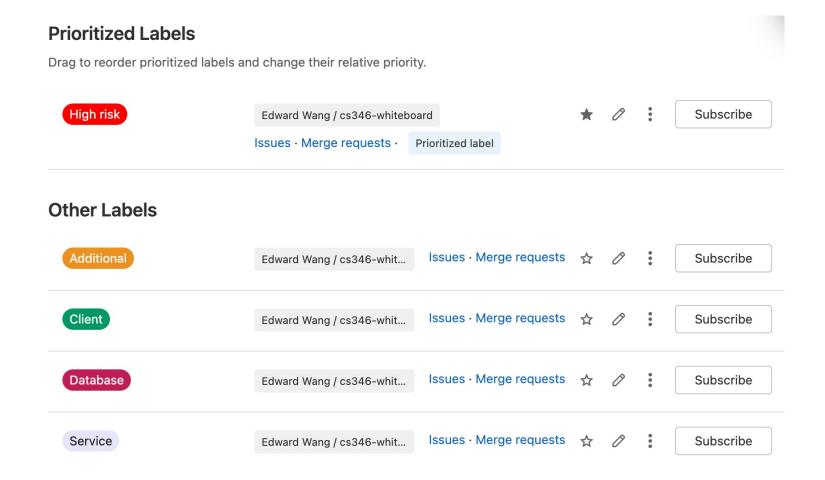   - User will have the ability to specify any combination of features.

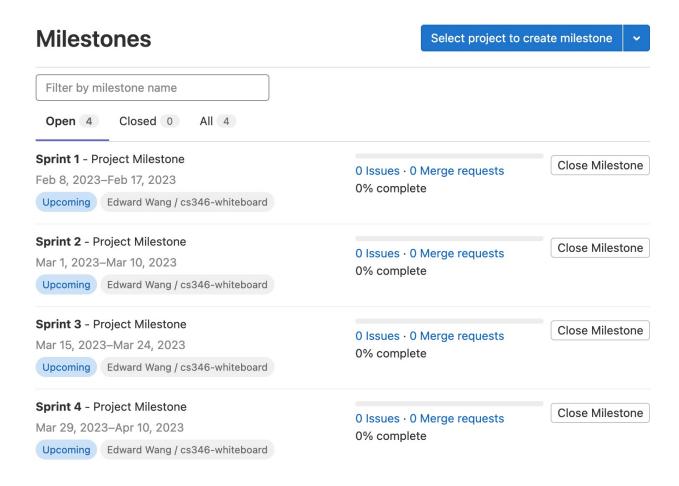# User Interviews, Personas, and Extra Features

Risks and Mitigation

- Syncing components on the whiteboard
  - Plan to use the server as the single source of truth
- WebSocket data transfer performance
  - Must be mindful of data transfer size
  - Will use a two-level map and design our own schema for data transfer
- Client-side editing performance
  - Use an alternate data structure (kd-trees) to store coordinates of components and their size,
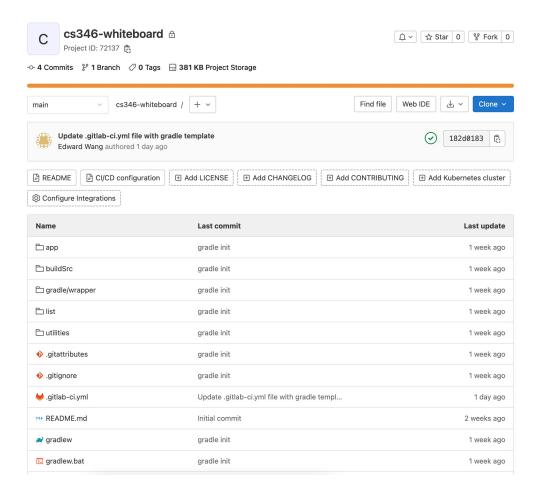
GitLab Project Setup

Prioritized Labels

Drag to reorder prioritized labels and change their relative priority.

| High risk | Edward Wang / cs346-whiteboard | | ★ | ✎ | ⋮ | Subscribe |
| | Issues · Merge requests · | Prioritized label | | | | |

Other Labels

Additional	Edward Wang / cs346-whit...	Issues · Merge requests	☆	✎	⋮	Subscribe
Client	Edward Wang / cs346-whit...	Issues · Merge requests	☆	✎	⋮	Subscribe
Database	Edward Wang / cs346-whit...	Issues · Merge requests	☆	✎	⋮	Subscribe
Service	Edward Wang / cs346-whit...	Issues · Merge requests	☆	✎	⋮	Subscribe

GitLab Project Setup

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CI/CD Setup