

# PROJECT REVIEW



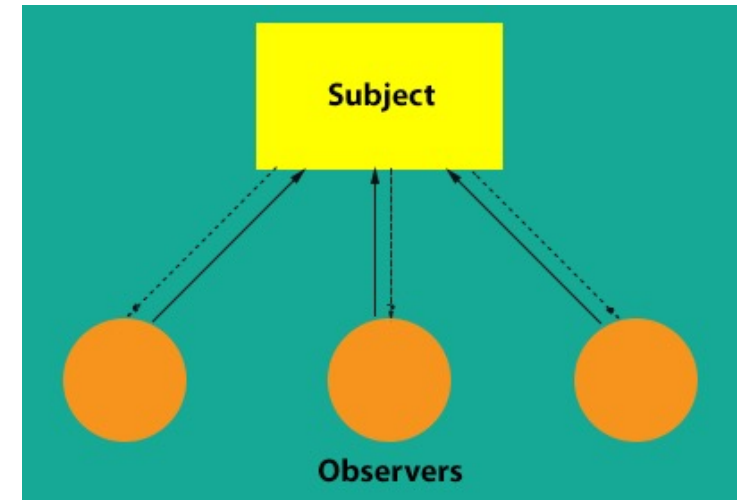
CS 346  
Team 204

# Project Requirements

Open 21		Closed 0	All 21
<div><div>↶</div><div>Search or filter results...</div><div>Q</div></div>		<div>Created date ▾</div> <div>⌵</div>	
Export whiteboard as image/PDF		0	
#21 · created 3 days ago by York Wei		Additional Client	updated 3 days ago
Add logic and UI for user-owned components		0	
#20 · created 3 days ago by York Wei		Additional Client	updated 3 days ago
Modify schema to support ownership and access-level of components		0	
#19 · created 3 days ago by York Wei		Additional Client Database Service	updated 3 days ago
Add support for interacting with multiple whiteboards		0	
#18 · created 3 days ago by York Wei		Additional Client Database Service	updated 3 days ago
Create new flow for creating and retrieving whiteboards		0	
#17 · created 3 days ago by York Wei		Additional Client	updated 3 days ago
Add endpoints for creating and retrieving whiteboards		0	
#16 · created 3 days ago by York Wei		Additional Database Service	updated 3 days ago
Add UI animations/interactions and dark/light mode		0	
#15 · created 3 days ago by York Wei		Additional Client	updated 3 days ago

# 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.



A vertical bar on the left side of the slide, transitioning from orange at the top to purple at the bottom.

# 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

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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

## Milestones

Select project to create milestone



Filter by milestone name

Open 4

Closed 0

All 4

### Sprint 1 - Project Milestone

Feb 8, 2023–Feb 17, 2023

Upcoming

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0 Issues · 0 Merge requests

0% complete

Close Milestone

### Sprint 2 - Project Milestone

Mar 1, 2023–Mar 10, 2023

Upcoming

Edward Wang / cs346-whiteboard

0 Issues · 0 Merge requests

0% complete

Close Milestone

### Sprint 3 - Project Milestone

Mar 15, 2023–Mar 24, 2023

Upcoming

Edward Wang / cs346-whiteboard

0 Issues · 0 Merge requests

0% complete

Close Milestone

### Sprint 4 - Project Milestone

Mar 29, 2023–Apr 10, 2023

Upcoming

Edward Wang / cs346-whiteboard

0 Issues · 0 Merge requests

0% complete

Close Milestone

# GitLab Repo

C

**cs346-whiteboard**

Project ID: 72137

Star 0 Fork 0

4 Commits 1 Branch 0 Tags 381 KB Project Storage

main

cs346-whiteboard /

+

Find file

Web IDE

Clone

Update .gitlab-ci.yml file with gradle template

182d0183

Edward Wang authored 1 day ago

README

CI/CD configuration

Add LICENSE

Add CHANGELOG

Add CONTRIBUTING




Add Kubernetes cluster

Configure Integrations

Name	Last commit	Last update
app	gradle init	1 week ago
buildSrc	gradle init	1 week ago
gradle/wrapper	gradle init	1 week ago
list	gradle init	1 week ago
utilities	gradle init	1 week ago
.gitattributes	gradle init	1 week ago
.gitignore	gradle init	1 week ago
.gitlab-ci.yml	Update .gitlab-ci.yml file with gradle templ...	1 day ago
README.md	Initial commit	2 weeks ago
gradlew	gradle init	1 week ago
gradlew.bat	gradle init	1 week ago



# CI/CD Setup

All <b>1</b> Finished Branches Tags	
<div>Filter pipelines</div> <div>Show Pipeline ID ▾</div>	
Status	<div>✓ passed</div>
Pipeline	<div>Update .gitlab-ci.yml file with gradle template</div> <div><a href="#">#82362</a>  main  <a href="#">182d0183</a> </div> <div>latest</div>
Stages	<div>✓ ✓ ✓</div>
Actions	<div>↓ ▾</div>