

Sprint Plan 1

CLSF

4/11-4/22

Goal:

Build core authentication and user routing flow to ensure basic site access and user session flow is functional.

User story 1:

As a new user, I want to create an account so that I can use the app features.

- Design Sign Up page UI (2 hours)
- Implement Firebase user creation (2 hours)
- Form validation for required fields and password strength (2 hours)

Total: 6 hours

User story 2:

As a returning user, I want to log in securely so I can access my profile and groups.

- Design Sign In page UI (2 hours)
- Implement Firebase sign-in logic (2 hours)
- Handle invalid login & show reset password prompt (1.5 hours)
- Implement reset password via email flow (1.5 hours)

Total: 7 hours

User story 3:

As a user, I want to be routed to the homepage after login so I know I've successfully signed in.

- Set up protected route logic (2 hours)
- Design basic homepage layout (1 hour)

Total: 3 hours

Team roles:

- Brenner: Developer
- Jayden: Developer
- Varun: UI/UX Designer

- Christian: Developer
 - Siyun: Firebase Developer, Scrum Master
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Initial task assignment:

- Brenner: User story 2, implement Firebase sign-in logic
 - Jayden: User story 1, form validation
 - Varun: User story 1, design Sign Up page UI
 - Christian: User story 2, reset password flow
 - Siyun: User story 1, implement Firebase Authentication
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Initial scrum board:

Located on Trello

Scrum times:

- Monday 9:30 AM
- Wednesday 9:30 AM
- Friday 9:30 AM

Sprint Plan 2

CLSF

4/23-5/6

Goal:

Implement navigation and group discovery, allowing users to find and explore groups based on interests and location.

User story 1:

As a user, I want to search for groups by subject and location so I can find relevant groups.

- Design Find Groups UI (2 hours)
- Implement group card layout (2 hours)
- Add dropdown filter components (2 hours)
- Connect Firebase query for filters (2 hours)

Total: 8 hours

User story 2:

As a user, I want to navigate easily between key app pages.

- Implement bottom navigation menu with routing (2 hours)
- Add icons and active state (1 hour)

Total: 3 hours

User story 3:

As a user, I want to see detailed group info before joining.

- Fetch and display group metadata (creator, members, time) (2 hours)
- Add group detail modal or expanded card (2 hours)

Total: 4 hours

Team roles:

- Brenner: Firebase Developer, Scrum Master
- Jayden: Frontend Engineer
- Varun: UI/UX Designer
- Christian: Developer

- Siyun: Developer
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Initial task assignment:

- Brenner: User story 1, connect Firebase query for filters
 - Jayden: User story 2, implement bottom navigation
 - Varun: User story 1, design Find Groups UI
 - Christian: User story 3, fetch and display group metadata
 - Siyun: User story 2, implement bottom navigation
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Initial scrum board:

Located on Trello

Scrum times:

- Monday 9:30 AM
- Wednesday 9:30 AM
- Friday 9:30 AM

Sprint Plan 3

CLSF

5/7-5/21

Goal:

Enable group creation, joining, and viewing joined groups to give users meaningful engagement with study groups.

User story 1:

As a user, I want to create a group so I can start a new study session.

- Design Create Group form (2 hours)
- Add input validation (2 hours)
- Save new group to Firebase (2 hours)

Total: 6 hours

User story 2:

As a user, I want to view my joined groups to easily access and manage them.

- Design My Groups page layout (1.5 hours)
- Fetch and display joined groups (2 hours)
- Add leave group functionality (1.5 hours)

Total: 5 hours

User story 3:

As a user, I want to chat with group members so we can communicate.

- Integrate basic group chat using Firebase (3 hours)
- Display chat per group (2 hours)

Total: 5 hours

Team roles:

- Brenner: Backend Developer
- Jayden: Frontend Developer
- Varun: UI Designer

- Christian: Developer
 - Siyun: Developer
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Initial task assignment:

- Brenner: User story 1, save new group to Firebase
 - Jayden: User story 2, fetch and display joined groups
 - Varun: User story 1, design Create Group form
 - Christian: User story 2, leave group
 - Siyun: User story 3, integrate Firebase chat
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Initial scrum board:

Located on Trello

Scrum times:

- Monday 9:30 AM
- Wednesday 9:30 AM
- Friday 9:30 AM

Sprint Plan 4

CLSF

5/22-6/3

Goal:

Complete user account management, profile editing, and polish up app functionality.

User story 1:

As a user, I want to edit my profile so I can update my information.

- Design account profile UI (2 hours)
- Implement edit, save, cancel logic (2 hours)
- Connect updates to Firebase (2 hours)

Total: 6 hours

User story 2:

As a user, I want to delete my account if I no longer want to use the app.

- Add confirmation modal before delete (1 hour)
- Implement delete logic with Firebase cleanup (2 hours)

Total: 3 hours

User story 3:

As a user, I want a responsive and polished UI for a better experience.

- Adjust layout for mobile and desktop (2 hours)
- Minor styling and spacing fixes (2 hours)

Total: 4 hours

Team roles:

- Brenner: Firebase/Account Integration
- Jayden: Developer
- Varun: UI/UX Finisher
- Christian: Developer
- Siyun: Developer

Initial task assignment:

- Brenner: User story 2, implement delete logic
- Jayden: User story 1, implement edit/save/cancel
- Varun: User story 3, adjust layout for responsiveness
- Christian: User story 1, connect updates to Firebase
- Siyun: User story 2, Confirmation before delete

Initial scrum board:

Located on Trello

Scrum times:

- Monday 9:30 AM
- Wednesday 9:30 AM
- Friday 9:30 AM