



MAY 2024

Software Engineering 2024

ASSIGNMENT : 3

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PRODUCT BACKLOG

ID	User Story	Estimate	Priority	Acceptance Criteria
1	As a new user, I want to sign up for SocialConnect easily.	8 hours	1	<p>Given: User accesses the sign-up page.</p> <p>When: They enter their email, username, and password.</p> <p>Then: They receive a verification email.</p> <p>And: Upon verification, their account is successfully created.</p>
2	As a user, I want to personalize my profile.	6 hours	2	<p>Given: User is logged into their account.</p> <p>When: They navigate to the profile settings.</p> <p>Then: They can edit their profile picture, bio, and other relevant information.</p> <p>And: Changes are saved and reflected on their profile page.</p>
3	As a user, I want to connect with friends easily.	5 hours	3	<p>Given: User is logged into their account.</p> <p>When: They search for friends by username or email.</p> <p>Then: They can send friend requests.</p> <p>And: Upon acceptance, friends are added to their network.</p>
4	As a user, I want to discover new content tailored to my interests.	7 hours	4	<p>Given: User is logged into their account.</p> <p>When: They explore the content discovery section.</p> <p>Then: They see personalized recommendations based on their activity and preferences.</p> <p>And: They can interact with or save content for later viewing.</p>

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5	As a user, I want to create and join communities based on my interests.	9 hours	5	<p>Given: User is logged into their account.</p> <p>When: They navigate to the community section.</p> <p>Then: They can search for existing communities or create new ones.</p> <p>And: They can join or invite others to join communities of interest.</p>
6	As a community creator, I want to moderate discussions and content within my community.	10 hours	6	<p>Given: User is the creator or moderator of a community.</p> <p>When: They access the moderation tools.</p> <p>Then: They can remove or hide inappropriate content or users.</p> <p>And: They can set community guidelines and rules.</p>
7	As a user with accessibility needs, I want to navigate and use the platform easily.	11 hours	7	<p>Given: User has accessibility needs (e.g., screen reader support, color contrast preferences).</p> <p>When: They access the platform using assistive technologies.</p> <p>Then: The platform's interface is designed to be compatible with screen readers and follows accessibility standards.</p> <p>And: Users can adjust settings for font size, color schemes, and other accessibility features.</p>
8	As a user, I want to control the privacy settings of my profile and content.	12 hours	8	<p>Given: User is logged into their account.</p> <p>When: They access the privacy settings.</p> <p>Then: They can choose who can view their profile, posts, and other interactions.</p> <p>And: Changes to privacy settings are applied immediately.</p>

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9	As a user, I want to receive notifications for relevant activities.	4 hours	9	<p>Given: User has notifications enabled.</p> <p>When: There is activity related to their profile, friends, or communities.</p> <p>Then: They receive real-time notifications via email or in-app alerts.</p> <p>And: Notifications can be customized based on user preferences.</p>
10	As a user, I want to participate in real-time collaborative discussions and projects.	5 hours	10	<p>Given: User is a member of a collaborative group or project.</p> <p>When: They access the group's discussion or project workspace.</p> <p>Then: They can engage in real-time chat, document sharing, and collaborative editing.</p> <p>And: Changes are synchronized instantly across all members' devices.</p>
11	As a user, I want to report inappropriate content or behavior.	6 hours	11	<p>Given: User encounters inappropriate content or behavior.</p> <p>When: They access the reporting feature.</p> <p>Then: They can provide details and evidence of the issue.</p> <p>And: Reports are reviewed promptly by moderators for appropriate action.</p>
12	As a user, I want to search for specific content or users quickly.	7 hours	12	<p>Given: User wants to find specific content or users.</p> <p>When: They use the search functionality.</p> <p>Then: Relevant search results are displayed in a timely manner.</p> <p>And: Users can filter search results based on various criteria (e.g., content type, date, user attributes).</p>

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13	As a user, I want to receive recommendations for events and activities based on my interests.	8 hours	13	<p>Given: User has specified their interests in their profile.</p> <p>When: They access the events section or receive notifications.</p> <p>Then: They see recommendations for events, meetups, or activities matching their interests.</p> <p>And: They can RSVP or indicate their interest in attending events.</p>
14	As a user, I want to customize my news feed to prioritize certain content types or sources.	9 hours	14	<p>Given: User is logged into their account.</p> <p>When: They access the news feed or content discovery section.</p> <p>Then: They can adjust preferences to prioritize content types (e.g., articles, videos) or sources (e.g., friends, followed pages).</p> <p>And: Changes to feed preferences are reflected immediately.</p>
15	As a user, I want to easily share content from external sources onto SocialConnect.	10 hours	15	<p>Given: User finds interesting content on external websites or platforms.</p> <p>When: They use the share feature or browser extension.</p> <p>Then: They can easily share the content onto SocialConnect with a few clicks.</p> <p>And: Shared content includes proper attribution and preview information.</p>
16	As a user, I want to receive recommendations for new connections based on mutual interests or connections.	11 hours	16	<p>Given: User is logged into their account.</p> <p>When: They access the recommended connections section.</p> <p>Then: They see suggestions for potential new connections based on shared interests, friends, or communities.</p> <p>And: They can send connection requests or explore suggested profiles further.</p>

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16	As a user, I want to customize my notification preferences to avoid being overwhelmed.	6 hours	16	<p>Given: The user receives notifications for various activities.</p> <p>When: They access the notification settings.</p> <p>Then: They can specify which types of activities trigger notifications.</p> <p>And: They can choose the frequency and format of notifications (e.g., email, in-app).</p>
17	As a user, I want to participate in live streaming events or broadcasts.	7 hours	17	<p>Given: The user wants to join a live streaming event or broadcast.</p> <p>When: They access the live streaming section or receive notifications.</p> <p>Then: They can join the live stream and interact with the host and other viewers in real-time.</p> <p>And: Live streams are recorded for later viewing by users who missed the live event.</p>
18	As a user, I want to easily invite friends to join SocialConnect.	8 hours	18	<p>Given: The user wants to invite friends to join the platform.</p> <p>When: They access the invitation feature.</p> <p>Then: They can send personalized invitations via email, social media, or messaging apps.</p> <p>And: Invitations include a referral link or code for tracking.</p>

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19	As a user, I want to share multimedia content seamlessly within the platform.	9 hours	19	<p>Given: A user is logged into the SocialConnect platform.</p> <p>When: The user composes a new post or message.</p> <p>Then: The platform provides options to upload multimedia content, including photos, videos, and other media types.</p> <p>And: The user can select multiple files to upload simultaneously.</p> <p>And: Uploaded multimedia content is displayed properly within the post or message.</p> <p>And: Users can add captions, tags, or descriptions to their multimedia posts.</p> <p>And: Multimedia posts can be easily shared with other users or groups within the platform.</p>
20	As a user, I want to collaborate with others in real-time, sharing documents and engaging in discussions.	10 hours	20	<p>Given: A user is logged into the SocialConnect platform.</p> <p>When: The user initiates a collaboration session or accesses collaboration features within a group or project.</p> <p>Then: The platform provides real-time document editing capabilities.</p> <p>And: Changes made by one user are immediately visible to all other participants.</p>
21	As a user, I want robust moderation tools to ensure a safe and respectful online environment.	11 hours	21	<p>Given: A user is logged into the SocialConnect platform.</p> <p>When: The user encounters inappropriate content or behavior.</p> <p>Then: The platform provides robust moderation tools, including options to report content and block users.</p> <p>And: Users can report inappropriate content or behavior easily through designated reporting mechanisms.</p> <p>And: Reported content is promptly reviewed by moderators.</p>

PRODUCT BACKLOG

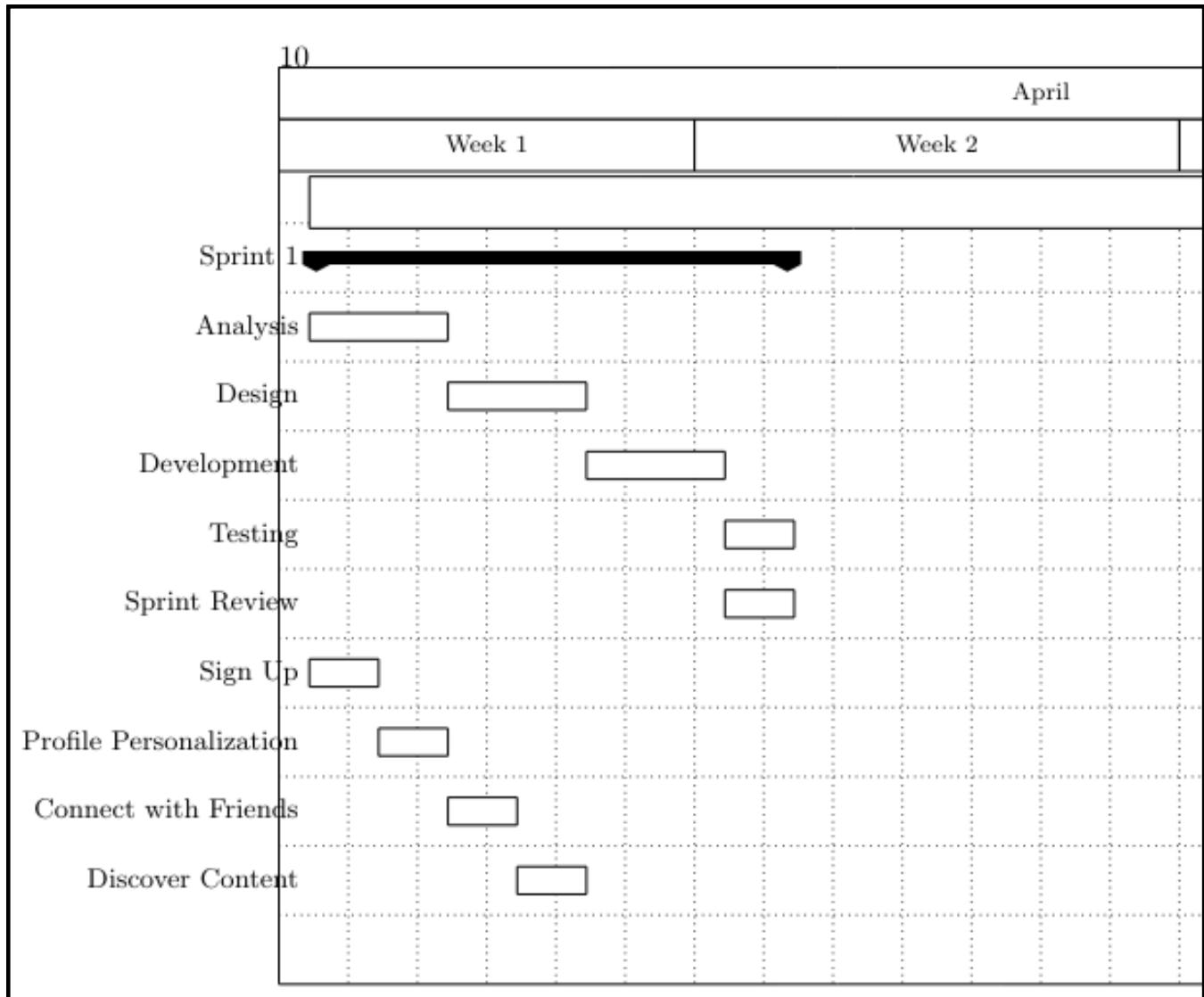
22	As a user, I want to easily navigate between different sections and features of the platform.	12 hours	22	<p>Given: The user is exploring the platform.</p> <p>When: They access navigation menus or buttons.</p> <p>Then: They find intuitive navigation options that allow them to move between sections seamlessly.</p> <p>And: Navigation elements are consistent across different pages and accessible from any screen.</p>
23	As a user, I want to create an event and invite my friends.	4 hours	23	<p>Given: I'm logged into SocialConnect.</p> <p>When: I access the events section.</p> <p>Then: I can create a new event by providing details like title, date, time, location, and description.</p> <p>And: I can invite friends by selecting their profiles from my friends list.</p>
24	As a user, I want to receive reminders for upcoming birthdays of my friends.	5 hours	24	<p>Given: I'm logged into SocialConnect.</p> <p>When: I access my notifications settings.</p> <p>Then: I enable birthday reminders.</p> <p>And: I receive notifications a few days before my friends' birthdays.</p>
25	As a user, I want to see my friends' latest updates easily.	6 hours	25	<p>Given: I'm logged into SocialConnect.</p> <p>When: I access my news feed.</p> <p>Then: I see posts and updates from my friends in chronological order.</p> <p>And: I can scroll through the feed to view older updates.</p>

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ID	User Story	Estimate	Priority	Acceptance Criteria
26	As a user, I want to create an event and invite my friends.	7 hours	26	Given: I'm logged into SocialConnect. When: I access the events section. Then: I can create a new event by providing details like title, date, time, location, and description. And: I can invite friends by selecting their profiles from my friends list.
27	As a user, I want to receive reminders for upcoming birthdays of my friends.	8 hours	27	Given: I'm logged into SocialConnect. When: I access my notifications settings. Then: I enable birthday reminders. And: I receive notifications a few days before my friends' birthdays.
28	As a user, I want to see my friends' latest updates easily.	9 hours	28	Given: I'm logged into SocialConnect. When: I access my news feed. Then: I see posts and updates from my friends in chronological order. And: I can scroll through the feed to view older updates.

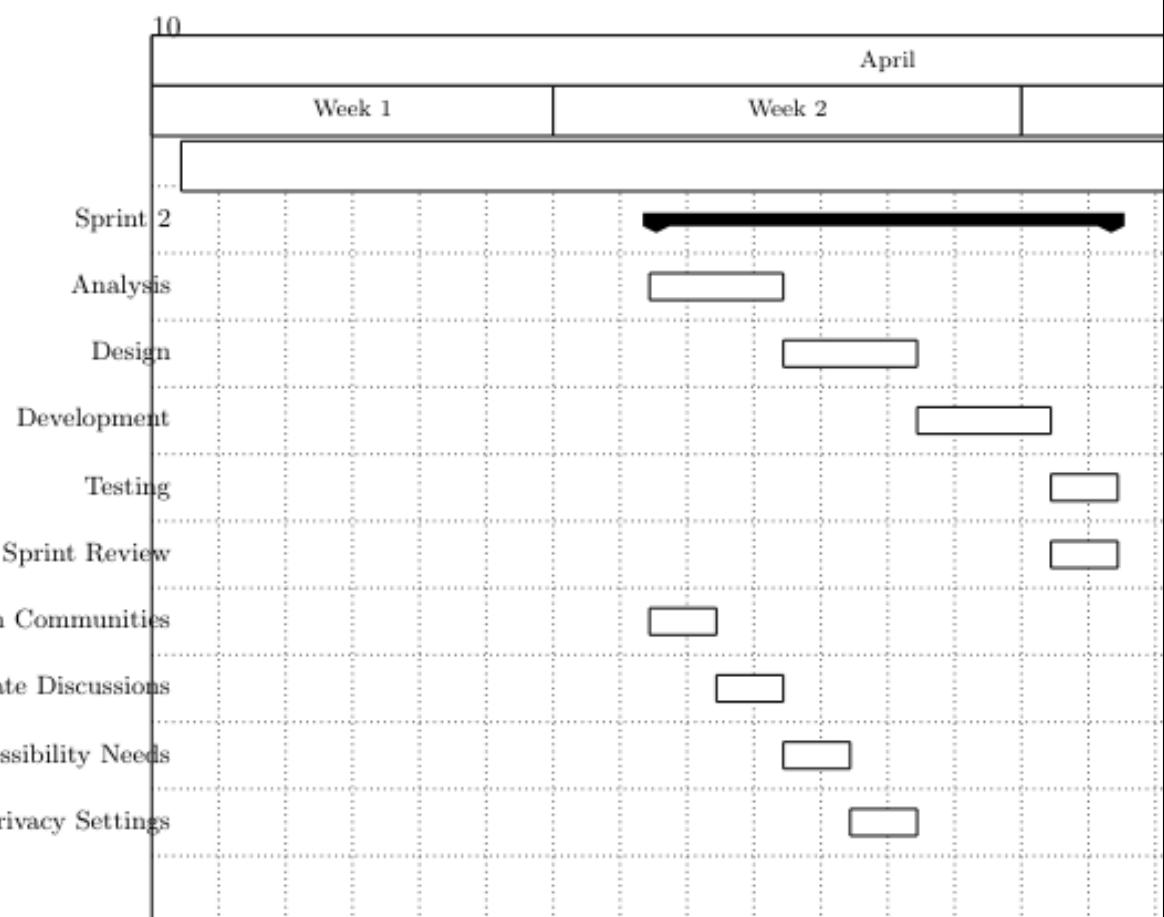
GANTT CHART

Sprint 1



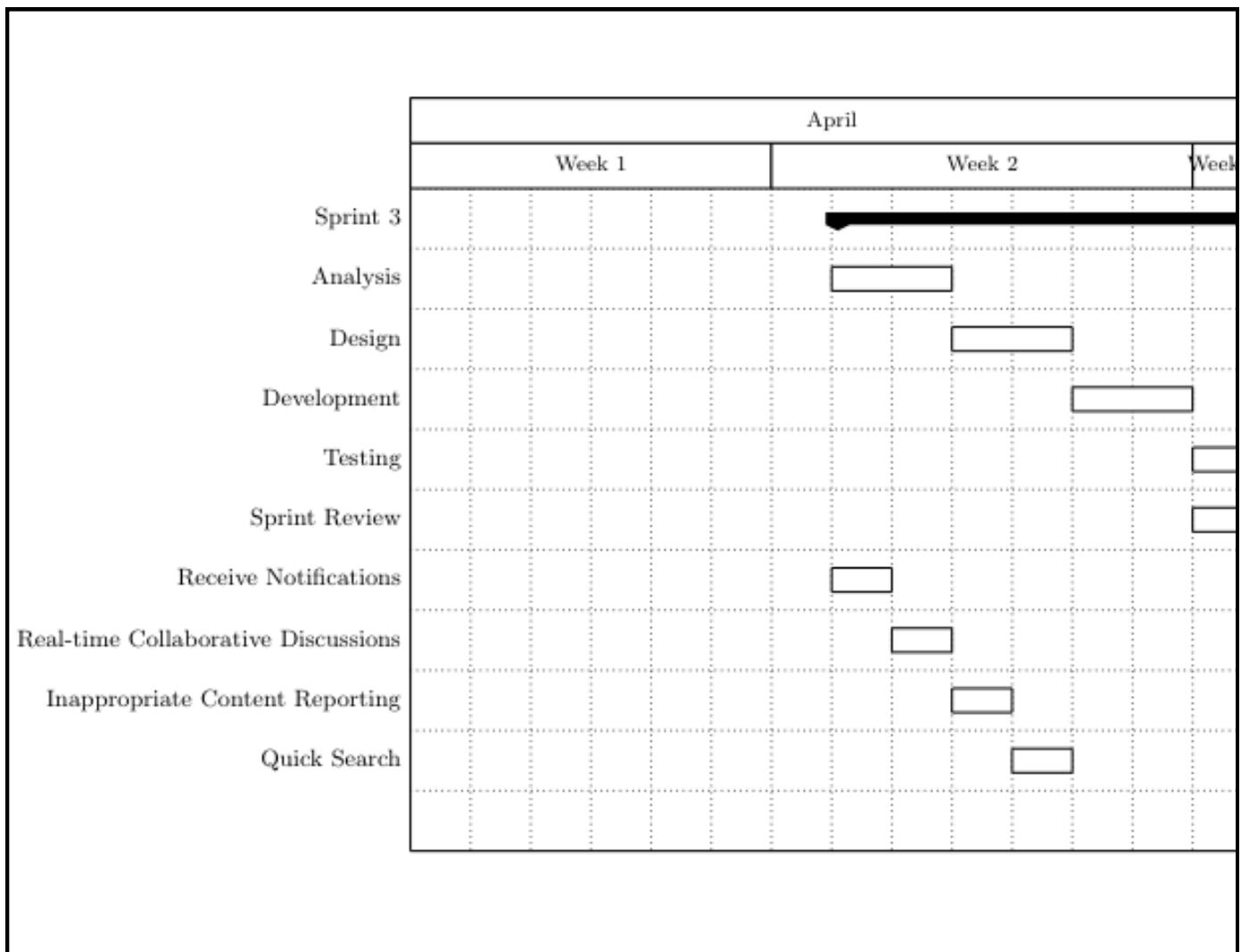
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Sprint 2



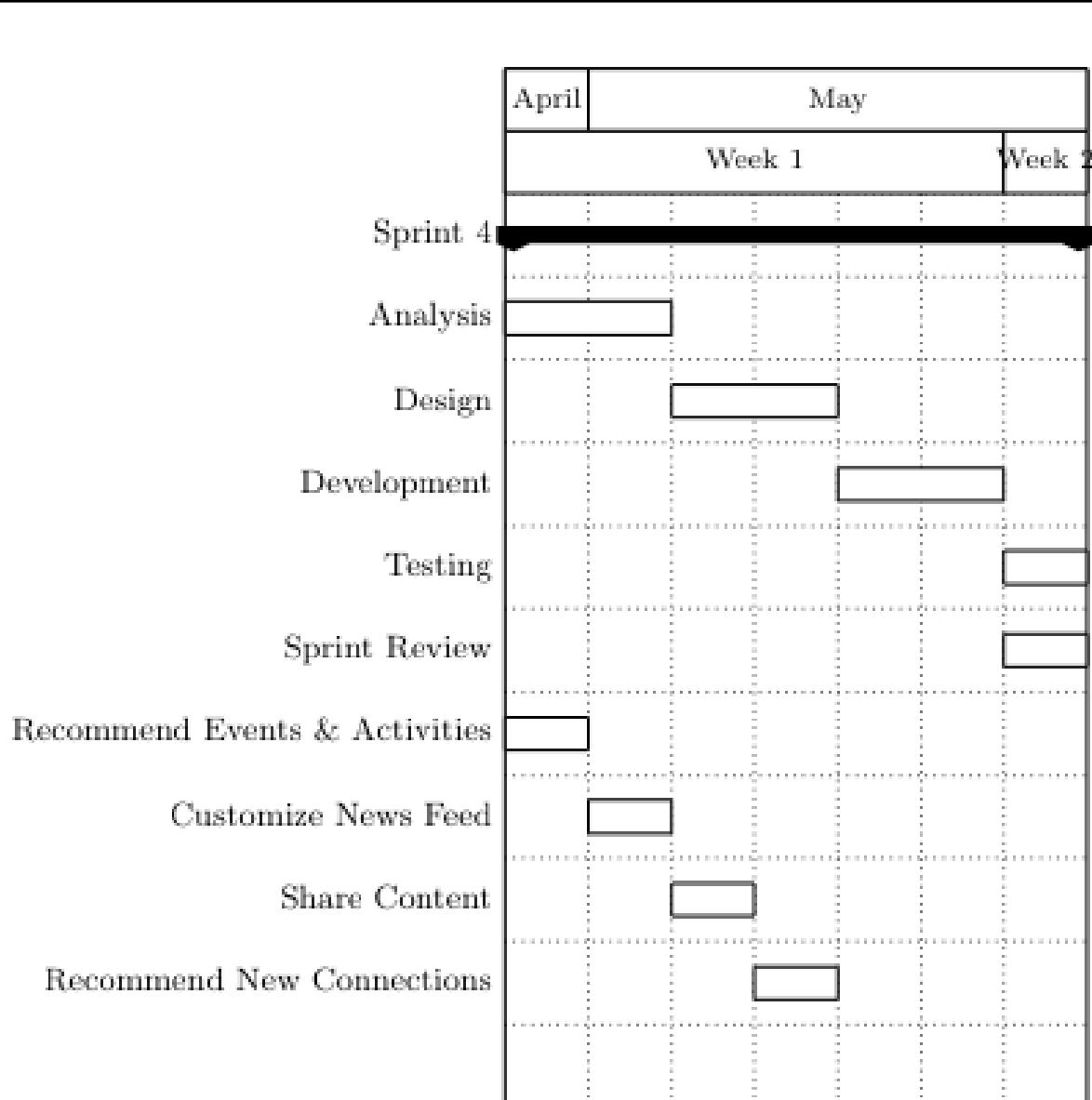
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Sprint 3



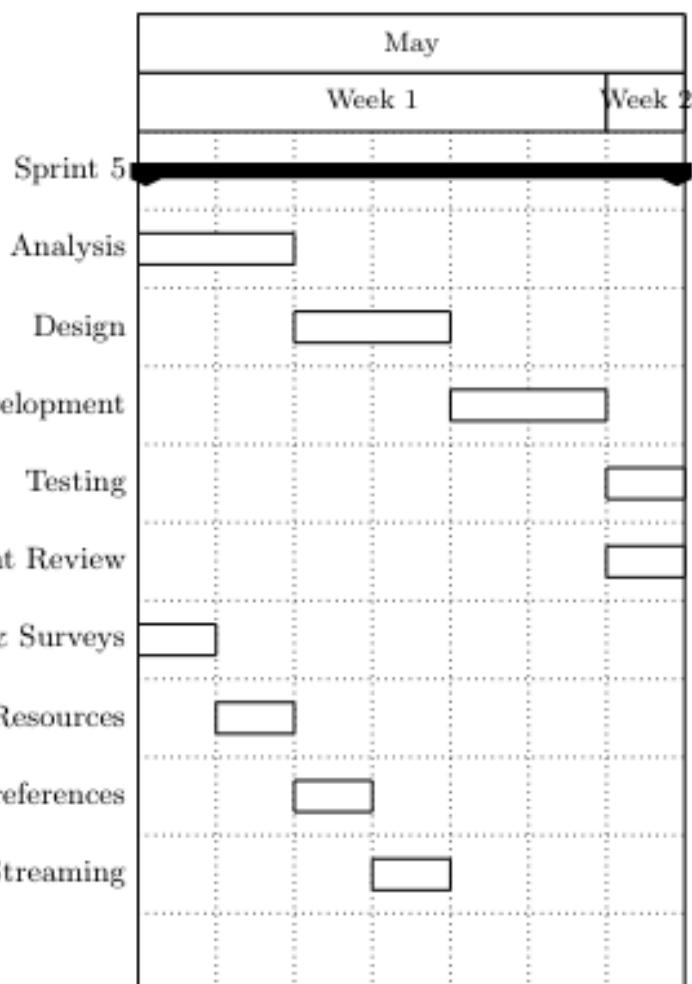
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Sprint 4



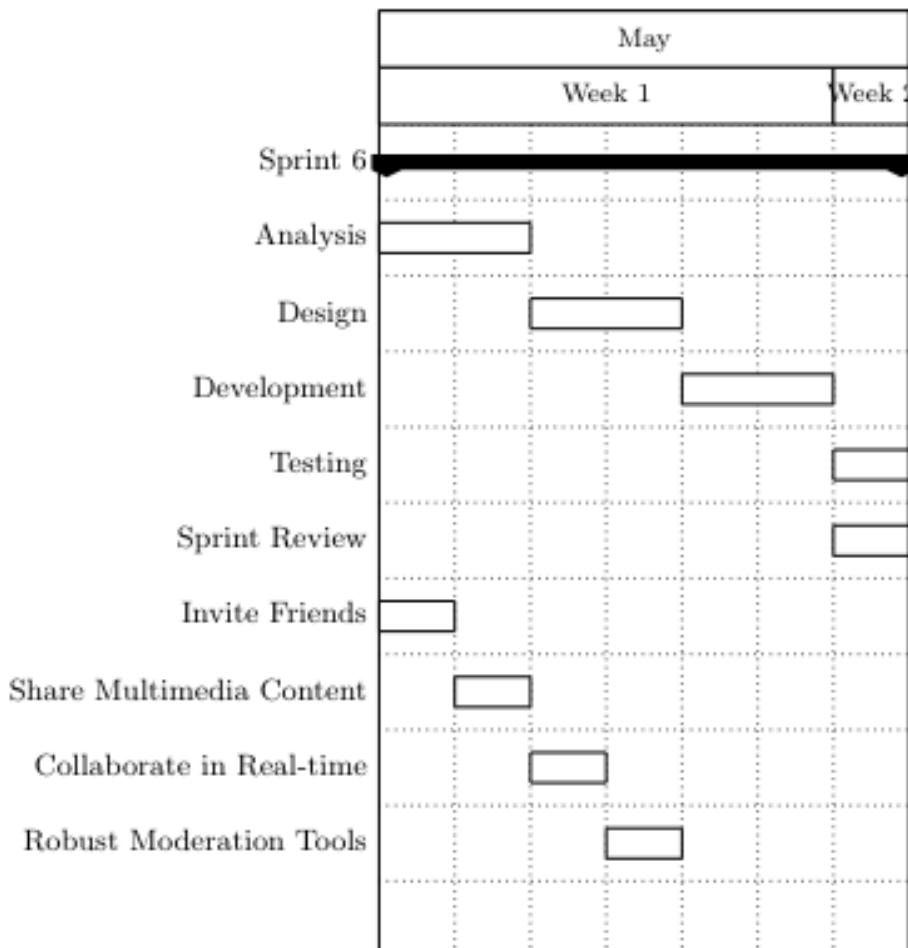
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Sprint 5



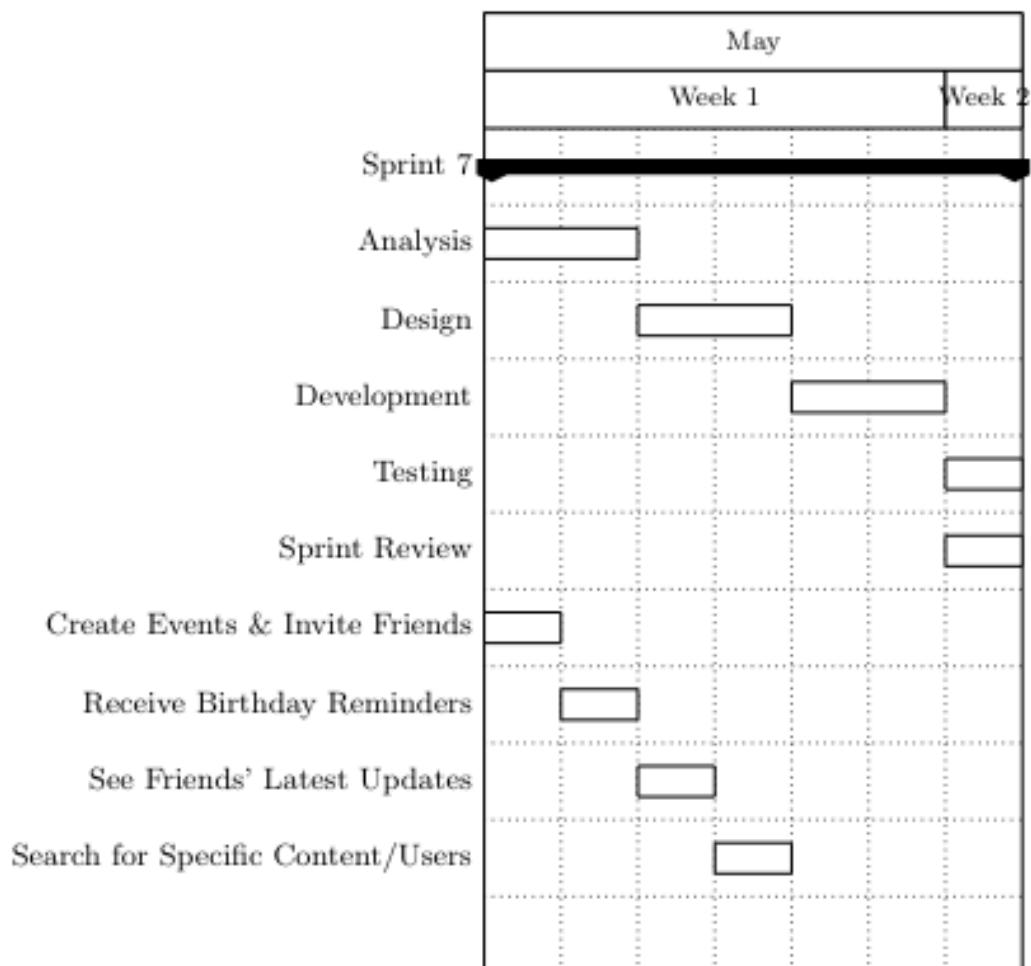
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Sprint 6

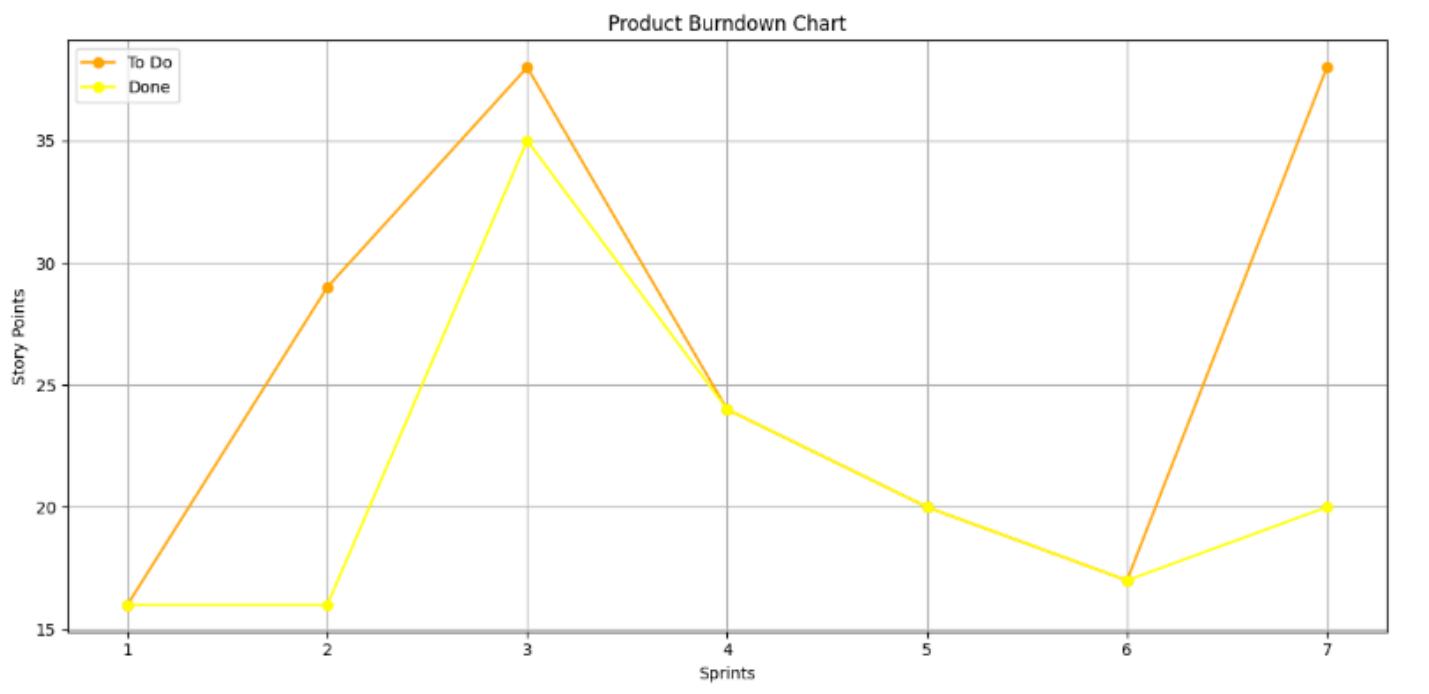


GANTT CHART

Sprint 7



BURNDOWN CHART



TRELLO DASHBOARD

Sprint 1

This screenshot shows the Trello dashboard for the SocialConnect project. The main board is titled "Sprint 1". It contains several cards:

- Activity 1:** Implement User Sign-Up. Sub-tasks include: Functionality Tasks: Design the user interface for the sign-up page, Implement back-end logic for registration, Integrate email verification system, Conduct initial user testing of the sign-up process.
- User Stories:** As a new user, I want to sign up for SocialConnect easily; As a user, I want to personalize my profile; As a user, I want to connect with friends easily; As a user, I want to discover new content tailored to my interests.
- Design Phase:** Design Sign-Up Interface, Design Email Verification Workflow, Profile Customization Options Design.
- Completed Tasks:** Finalized Wireframes for Sign-Up, Email Verification Flow Diagram.

This screenshot shows the Trello dashboard for the SocialConnect project. The main board is titled "Sprint 1". It contains several cards:

- Activity 2:** Connect with Friends Tasks: Develop a search mechanism to find friends by username or email, Implement sending and accepting friend requests.
- Activity 3:** Discover Content Tasks: Create a content discovery section on the platform, Implement algorithms for personalized content recommendations, Enable interactions such as saving content for later or expressing preferences.
- User Stories:** As a new user, I want to sign up for SocialConnect easily; As a user, I want to personalize my profile; As a user, I want to connect with friends easily; As a user, I want to discover new content tailored to my interests.
- Design Phase:** Profile Customization Options Design, Friend Search Interface Design, Design Friend Request Mechanism.
- Completed Tasks:** High-Fidelity Design of Profile Customization Interface, User Testing of Profile Settings.

TRELLO DASHBOARD

Sprint 2

This screenshot shows the Trello dashboard for the SocialConnect project during Sprint 2. The left sidebar displays workspace settings and a board titled "SocialConnect". The main board has four columns: "Sprint 1", "User Stories", "Design Phase", and "Completed Tasks".

- Sprint 1:** Contains three activity cards: "Create and Join Communities", "Moderate Community Discussions", and "Accessibility Features Implementation".
- User Stories:** Contains five user story cards:
 - "As a user, I want to create and join communities based on my interests."
 - "As a community creator, I want to moderate discussions and content within my community."
 - "As a user with accessibility needs, I want to navigate and use the platform easily."
 - "As a user, I want to control the privacy settings of my profile and content."
- Design Phase:** Contains three design cards:
 - "Community Creation Interface Design"
 - "Join Community UX Design"
 - "Moderation Tools Interface"
- Completed Tasks:** Contains two task cards:
 - "Community Creation UI Finalized" (Outcome: High-fidelity designs for the community creation process approved and ready for development)
 - "Accessibility Options Tested" (Outcome: Accessibility options like screen reader compatibility and high-contrast modes have been user-tested and refined)

This screenshot shows the Trello dashboard for the SocialConnect project during Sprint 2, with updated card descriptions. The main board structure remains the same, but the descriptions in the cards have been modified.

- Sprint 1:** Contains three activity cards: "Create and Join Communities", "Moderate Community Discussions", and "Accessibility Features Implementation".
- User Stories:** Contains five user story cards:
 - "As a user, I want to create and join communities based on my interests."
 - "As a community creator, I want to moderate discussions and content within my community."
 - "As a user with accessibility needs, I want to navigate and use the platform easily."
 - "As a user, I want to control the privacy settings of my profile and content."
- Design Phase:** Contains three design cards:
 - "Develop user experience flows for joining communities, focusing on ease of access and simplicity."
 - "Moderation Tools Interface"
 - "Community Guidelines Setup Design"
- Completed Tasks:** Contains two task cards:
 - "Community Creation UI Finalized" (Outcome: High-fidelity designs for the community creation process approved and ready for development)
 - "Accessibility Options Tested" (Outcome: Accessibility options like screen reader compatibility and high-contrast modes have been user-tested and refined)

TRELLO DASHBOARD

Sprint 3

The screenshot shows the Trello dashboard for the SocialConnect project. The left sidebar includes options for Boards, Members, Workspace settings, Workspace views (Table, Calendar), and Your boards (SocialConnect). The main board for Sprint 3 contains three activity cards: Activity 1 (Receive Notifications for Activities), Activity 2 (Real-time Collaboration Feature Development), and Activity 3 (Inappropriate Content Reporting Mechanism). The User Stories column lists four user stories: "As a user, I want to create and join communities based on my interests.", "As a community creator, I want to moderate discussions and content within my community.", "As a user with accessibility needs, I want to navigate and use the platform easily.", and "As a user, I want to control the privacy settings of my profile and content.". The To Do column contains three cards: "Design the user interface for managing notification preferences, including options for frequency and format.", "Design the user interface for managing notification preferences, including options for frequency and format.", and "Design the flow for reporting inappropriate content, ensuring ease of use and clarity for users.". The Completed Tasks column shows two cards: "Users can now customize their notification preferences, with settings applied and functioning as intended." and "Real-time chat functionality within groups and projects has been successfully integrated and tested.".

Sprint 4

The screenshot shows the Trello dashboard for the SocialConnect project. The left sidebar includes options for Boards, Members, Workspace settings, Workspace views (Table, Calendar), and Your boards (SocialConnect). The main board for Sprint 4 contains two activity cards: Activity 1 (Event and Activity Recommendations Integration) and Activity 2 (Custom News Feed Prioritization). The User Stories column lists three user stories: "As a user, I want to receive recommendations for events and activities based on my interests.", "As a user, I want to customize my news feed to prioritize certain content types or sources.", and "As a user, I want to receive recommendations for new connections based on mutual interests or connections.". A template card states "This card is a template." The Implementation Phase column contains three cards: "Develop frontend login page UI with input fields for username/email and password. Implement backend authentication logic to validate user credentials.", "Design user-friendly signup form UI with fields for username, email, and password.", and "Configure database connection settings for the application environment. Implement backend code to establish a connection with the database server.". The Completed Tasks column shows three cards: "Users now receive personalized recommendations for events and activities, enhancing their engagement.", "Users can now customize their news feed preferences, improving their content discovery experience.", and "Users can now customize their news feed preferences, improving their content discovery experience.".

TRELLO DASHBOARD

Sprint 5

The Trello board for Sprint 5 is organized into several columns:

- Left Sidebar:** Shows workspace settings like Boards, Members, and Workspace settings.
- Sprint 5 Column:** Contains two cards:
 - In Progress Activity 1:** Design UI/UX for polls and surveys interface, including question types and response options. Develop backend functionality for creating, distributing, and collecting responses to polls/surveys.
 - In Progress Activity 2:** Design help and support section UI for easy navigation and access to resources. Populate help section with comprehensive documentation, FAQs, and troubleshooting guides.
- User Stories Column:** A list of user stories:
 - As a user, I want to participate in polls and surveys to share my opinions.
 - As a user, I want to access help and support resources easily.
 - As a user, I want to customize my notification preferences to avoid being overwhelmed.
 - As a user, I want to participate in live streaming events or broadcasts.
- Implementation Phase Column:** A list of tasks:
 - Polls and Surveys UI/UX Design Tasks: Design user interface and user experience flows for polls and surveys feature.
 - Help and Support Documentation Creation Tasks: Draft comprehensive documentation, FAQs, and troubleshooting guides for the help section.
 - Live Streaming Events Integration Tasks: Develop frontend and backend components for hosting and participating in live streaming events.
- Completed/Revised Tasks Column:** A list of completed and revised tasks:
 - Done:** Completed: Polls and Surveys Feature Deployed Outcome: Users can now participate in polls and surveys to share their opinions.
 - In Review Done:** Completed: Notification Preferences Customization Implemented Outcome: Users can now customize their notification preferences to avoid being overwhelmed with unnecessary alerts.

Sprint 6

The Trello board for Sprint 6 is organized into several columns:

- Left Sidebar:** Shows workspace settings like Boards, Members, and Workspace settings.
- Sprint 6 Column:** Contains two cards:
 - Task 1 Urgent:** Friend Invitation Feature Implementation
 - Task 2 In Progress:** Multimedia Content Sharing Enhancement
- User Stories Column:** A list of user stories:
 - As a user, I want to easily invite friends to join SocialConnect.
 - As a user, I want to share multimedia content seamlessly within the platform.
 - As a user, I want to collaborate with others in real-time, sharing documents and engaging in discussions seamlessly within the platform.
 - As a user, I want robust moderation tools to ensure a safe and
- Revision Column:** A list of tasks:
 - Enhance real-time chat functionality with features like message threading and @mentions. Improve document sharing capabilities for simultaneous editing and version control.
 - Develop additional moderation features like content flagging and automatic content filtering. Enhance moderation dashboard UI for easier content review and management.
- Done Tasks Column:** A list of completed tasks:
 - Done:** Completed: Friend Invitation Feature Deployed Outcome: Users can now easily invite friends to join SocialConnect, enhancing community growth.
 - Revised Done:** Completed: Real-time Collaboration Features Enhanced Outcome: Real-time collaboration capabilities, including chat and document sharing, have been enhanced for smoother teamwork.

TRELLO DASHBOARD

Sprint 7

The screenshot shows the Trello interface for a project named "SocialConnect". The left sidebar includes sections for Boards, Members, Workspace settings, Workspace views (Table and Calendar), and Your boards (SocialConnect). A "Try Premium free" button is at the bottom. The main area displays a board titled "Sprint 7" with four columns: "Activity 1" (purple), "User Stories" (white), "Revision" (white), and "Done Tasks" (light blue). The "Activity 1" column contains two cards: "Navigation Enhancements" (Activity 1) and "Event Creation and Invitation Feature" (Activity 2). The "User Stories" column contains two cards: "User Story" (As a user, I want to easily navigate between different sections and features of the platform.) and another "User Story" (As a user, I want to create an event and invite my friends.). The "Revision" column contains one card: "Design user interface and user experience flows for navigation enhancements." The "Done Tasks" column contains one card: "Completed: Navigation Enhancements Deployed Outcome: Users can now easily navigate between different sections and features of the platform, improving overall usability." Below the "Done Tasks" card is a green "Done" button.