



MAY 2024

SocialConnect Semester Project

SOFTWARE ENGINEERING - 2024

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PROJECT OVERVIEW

Understanding the Purpose, Design, and Architecture



Rational

The rationale behind the SocialConnect project stems from a deep understanding of the evolving needs and preferences of modern-day users in the realm of social media. By acknowledging the limitations and shortcomings of existing social networking platforms, we are driven to create a space that prioritizes quality connections, personalized experiences, user empowerment through privacy controls, inclusive accessibility, and a safe online environment. Our aim is to provide a platform that not only meets but exceeds the expectations of users, enabling them to curate their digital interactions, foster genuine connections, and actively engage in communities that resonate with their interests and values.

Introduction

SocialConnect is a groundbreaking project in the realm of social media, aimed at revolutionizing how individuals connect, share, and engage in the digital age. By prioritizing user experience and fostering genuine connections, SocialConnect offers a comprehensive platform that transcends traditional social networking. With innovative features such as intelligent social matching, dynamic content discovery, enhanced privacy controls, multimedia sharing, community building, real-time collaboration, inclusive accessibility, and robust safety measures, SocialConnect is set to redefine the landscape of social interactions and community engagement.

PROJECT OVERVIEW

Understanding the Purpose, Design, and Architecture

Architecture Overview

The architecture of SocialConnect encompasses both frontend and backend components, designed to provide a seamless and responsive user experience while ensuring robust functionality and scalability.

Frontend (React.js)

- React.js is chosen for the frontend development due to its component-based architecture, which enables modular and reusable code. This facilitates the creation of a highly interactive and responsive user interface, crucial for providing a seamless social networking experience.
- React's virtual DOM (Document Object Model) enhances performance by efficiently updating and rendering UI components, ensuring a smooth user experience even with dynamic content updates.

Backend (Node.js with Express.js)

- Node.js, along with Express.js, is selected for the backend to build a scalable and efficient server-side architecture. Node.js's non-blocking I/O model ensures high performance, making it well-suited for handling concurrent connections and real-time interactions.
- Express.js provides a minimalist and flexible web application framework for Node.js, simplifying the development of RESTful APIs to handle client-server communication.
- MongoDB, a NoSQL database, is integrated with the backend to store and manage user data, community information, content metadata, and other relevant information.

Web-Based Architecture

- Adopting a web-based architecture ensures platform accessibility across various devices and operating systems, enabling users to engage with SocialConnect seamlessly from desktops, laptops, tablets, and smartphones.

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>

PRODUCT BACKLOG

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>

PRODUCT BACKLOG

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>

PRODUCT BACKLOG

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>

PRODUCT BACKLOG

ID	User Story	Estimate	Priority	Acceptance Criteria
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>

PRODUCT BACKLOG

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

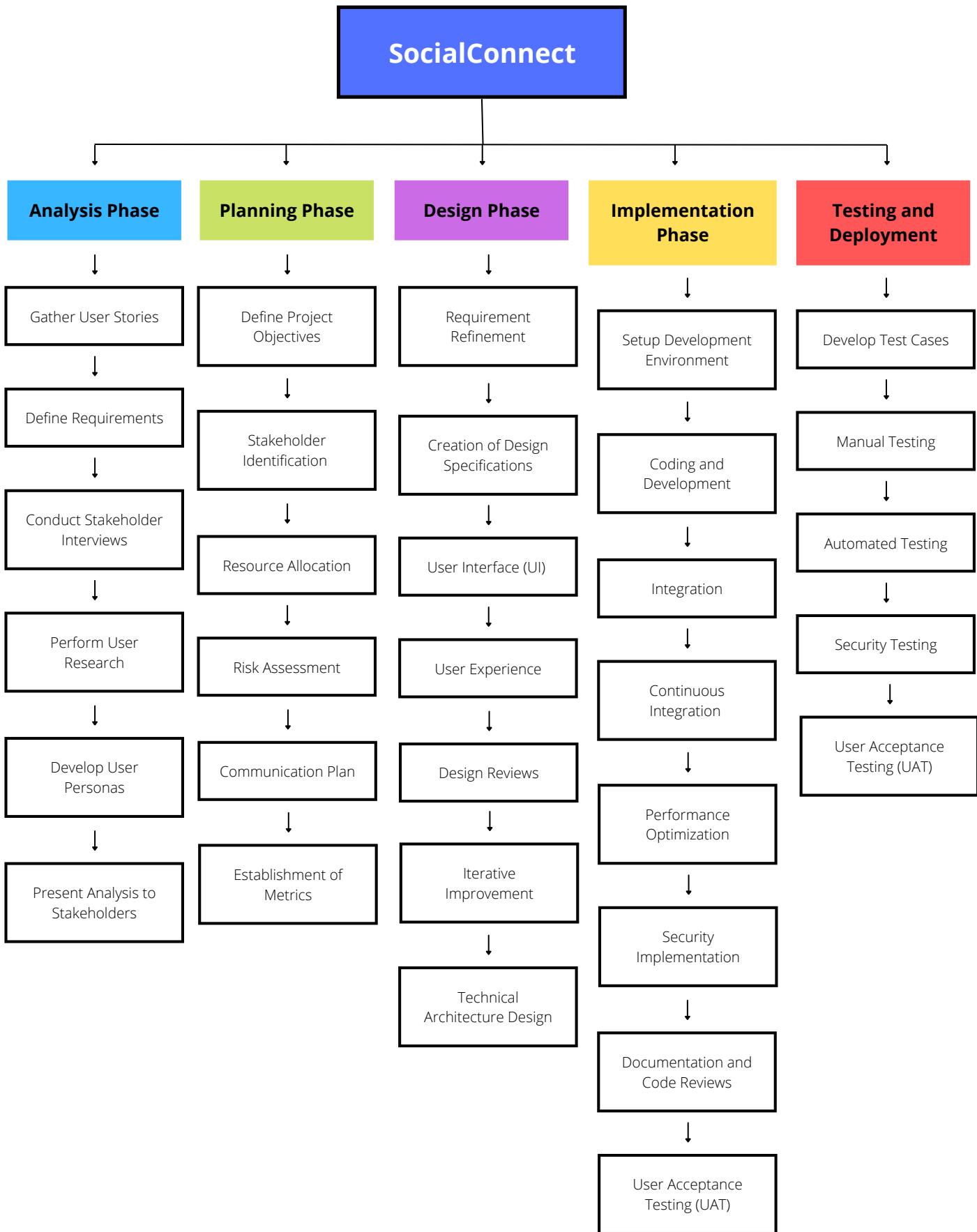
22	As a user, I want to easily navigate between different sections and features of the platform.	12 hours	22	<p>Given: The user is exploring the platform.</p> <p>When: They access navigation menus or buttons.</p> <p>Then: They find intuitive navigation options that allow them to move between sections 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>

PRODUCT BACKLOG

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.

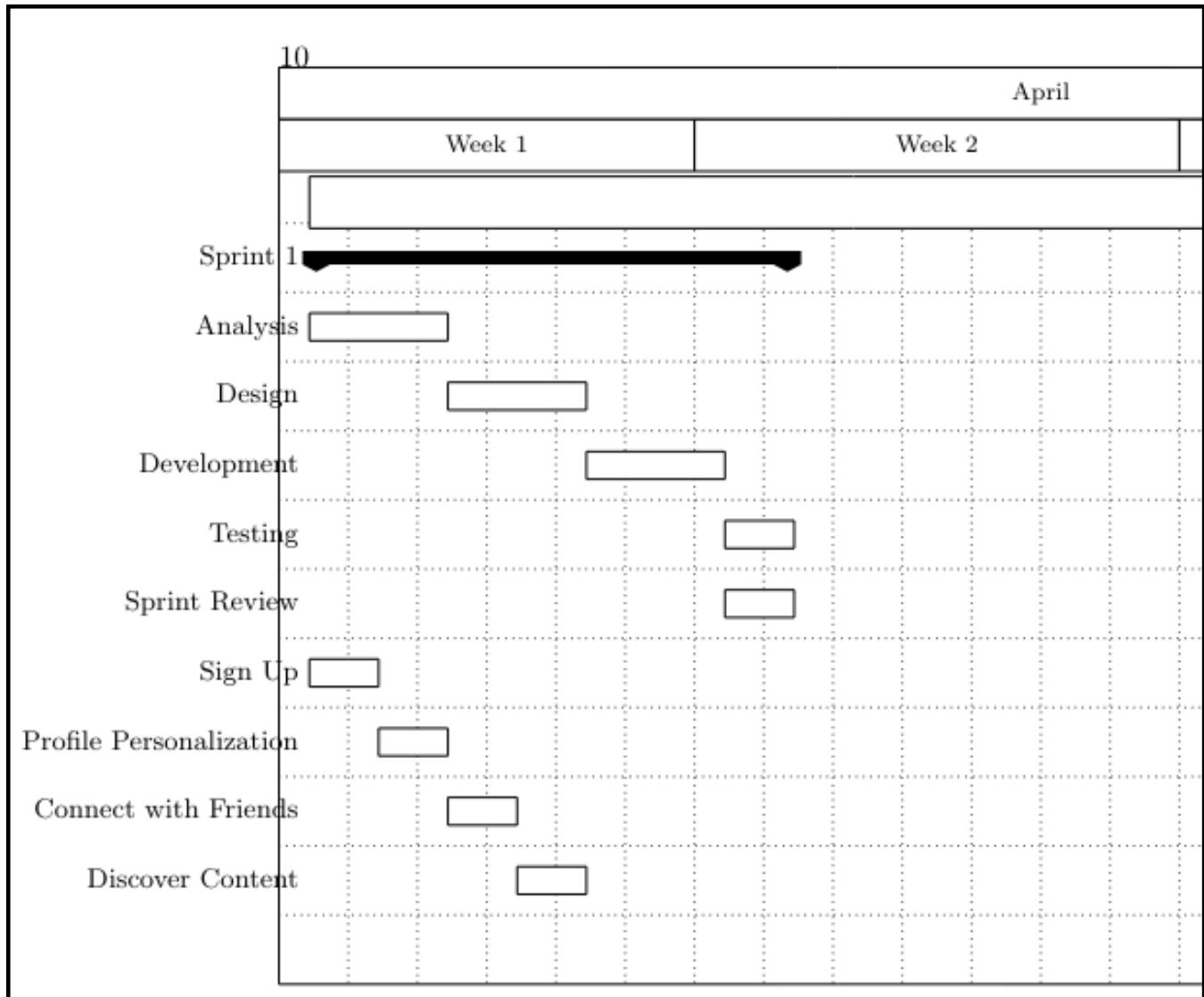
PROJECT PLANNER

Work Breakdown Structure



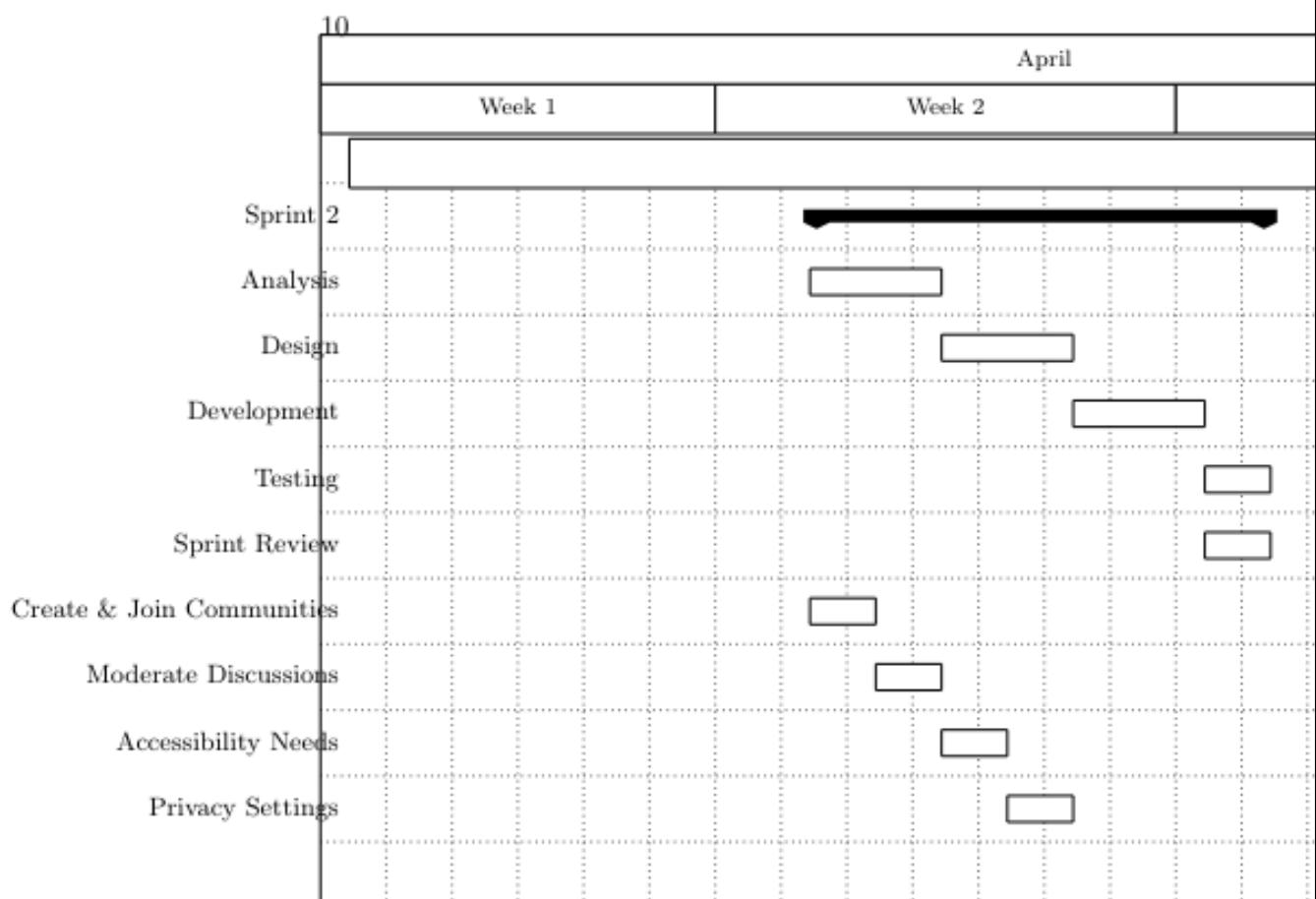
GANTT CHART

Sprint 1



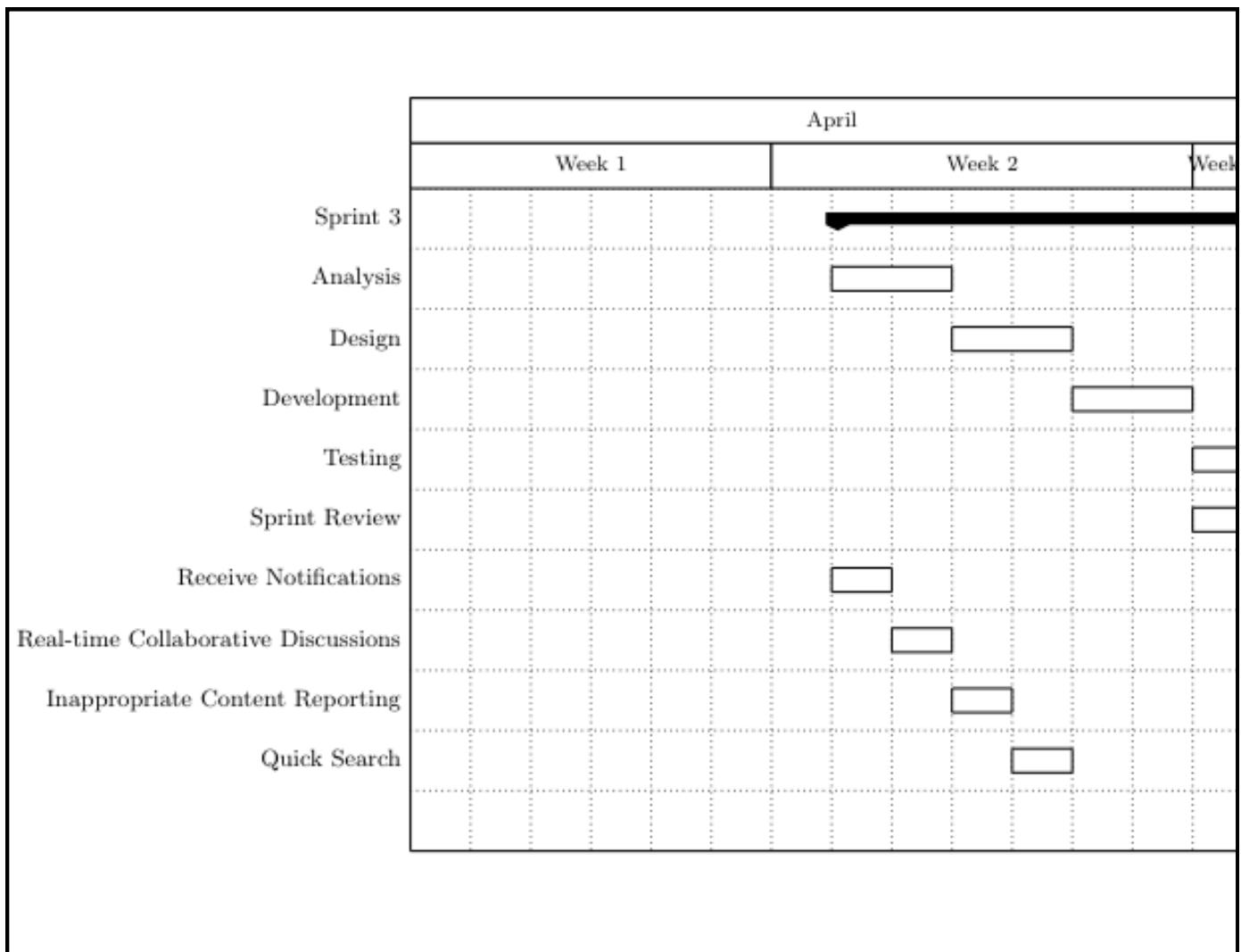
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Sprint 2



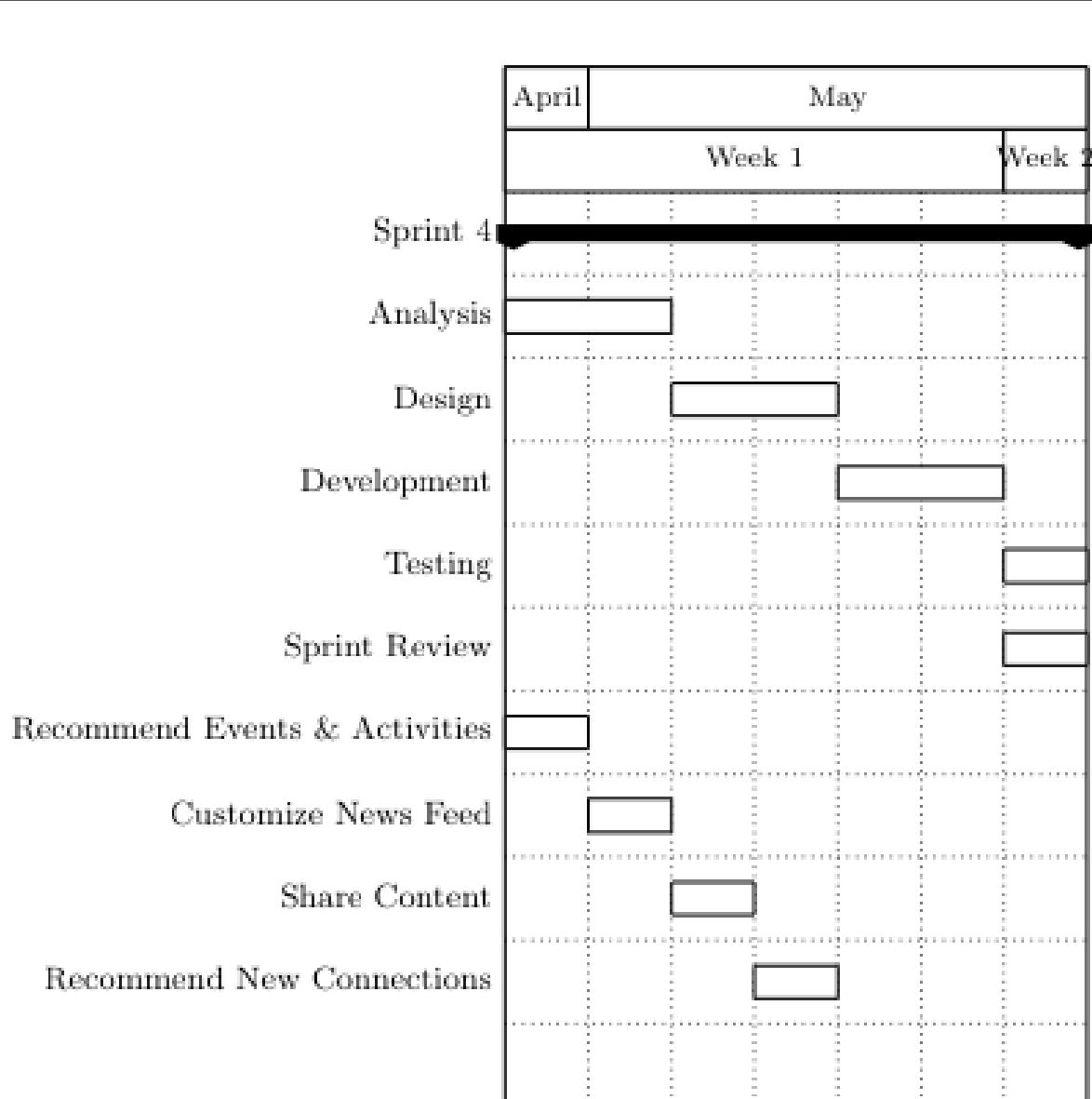
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Sprint 3



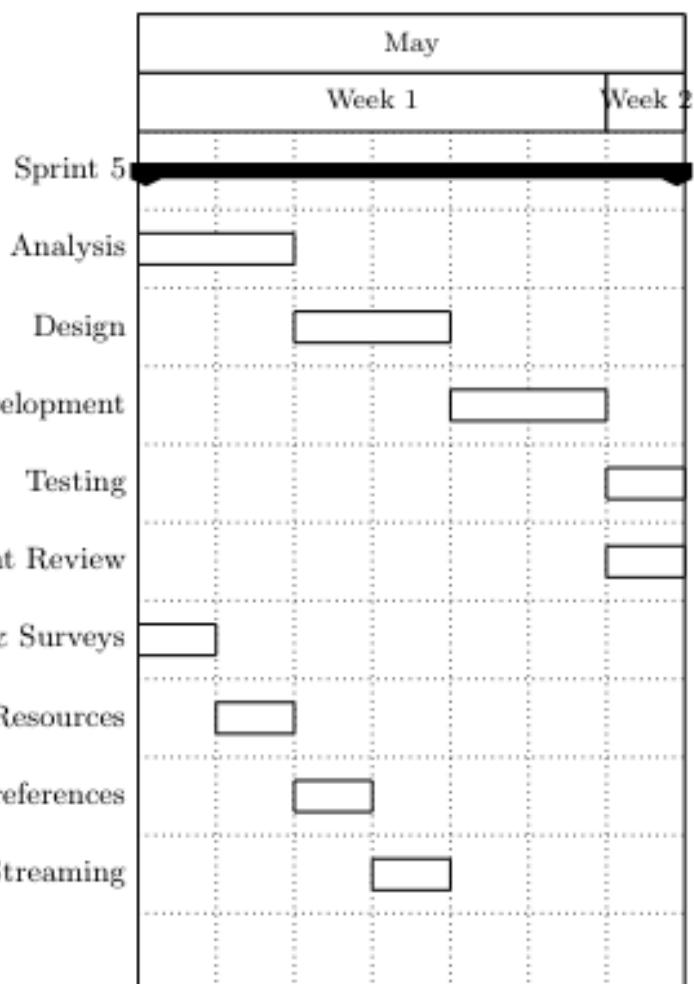
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Sprint 4



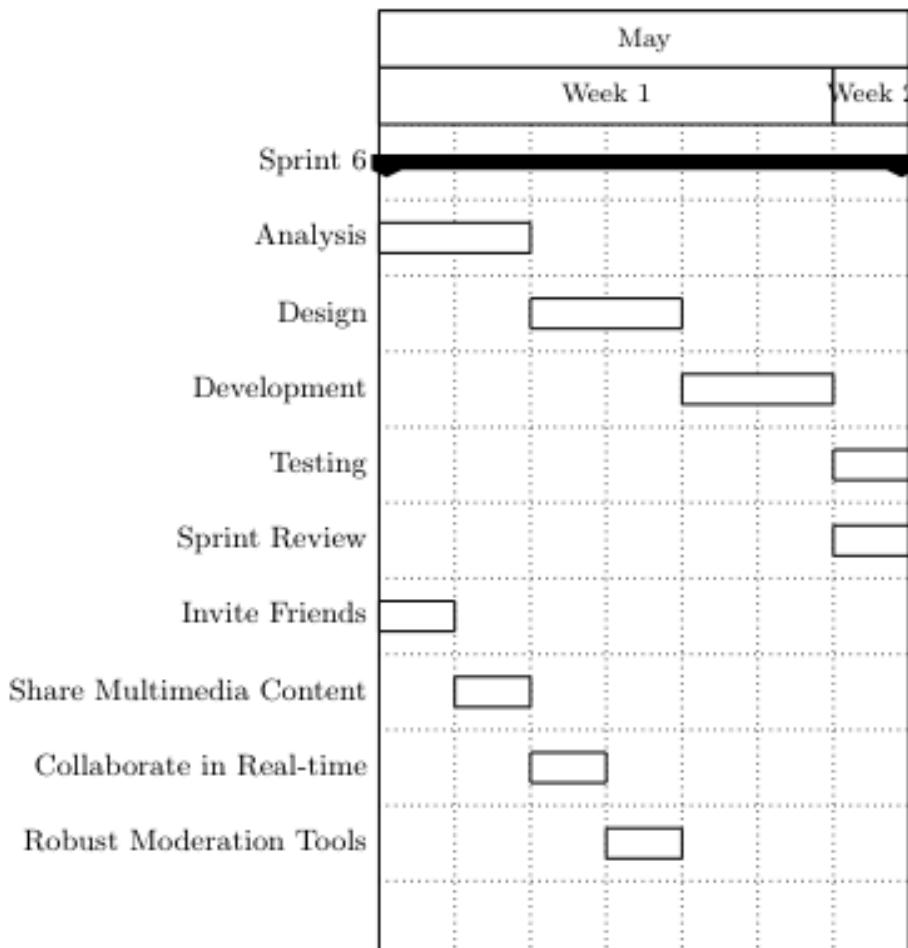
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Sprint 5



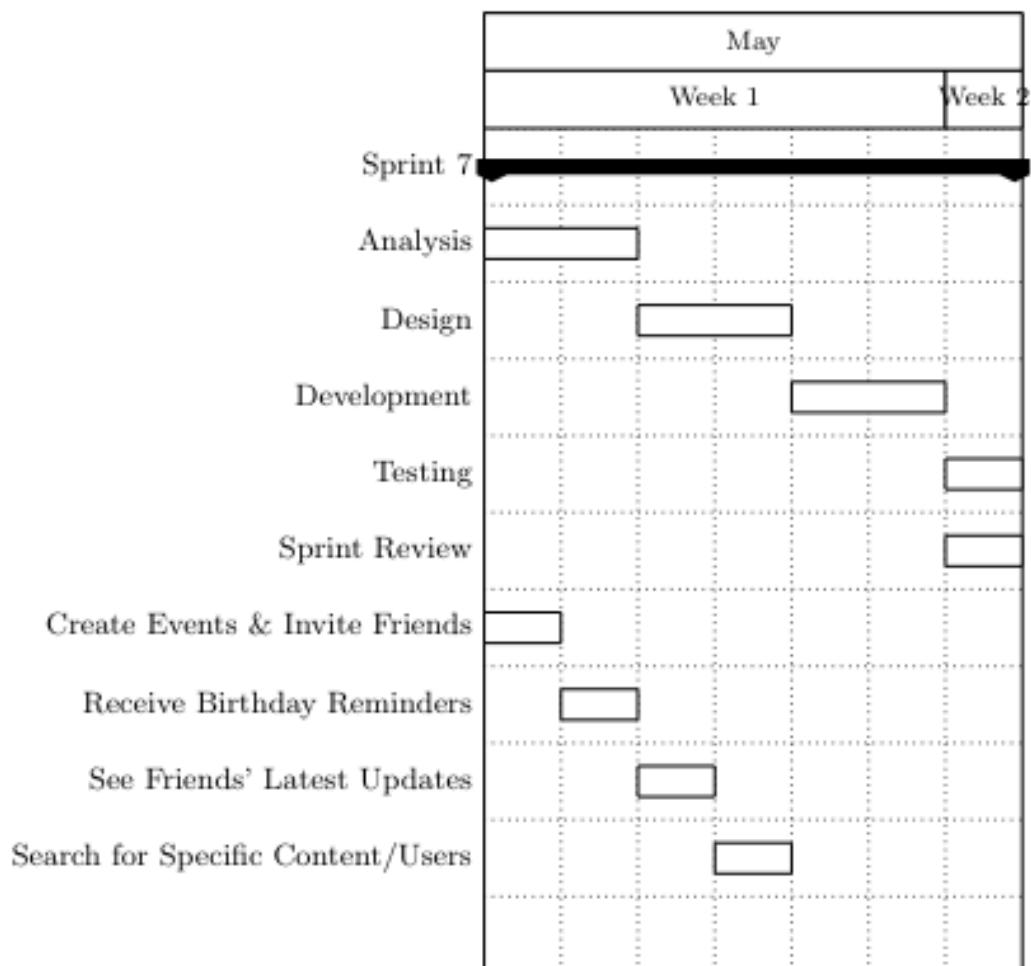
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Sprint 6

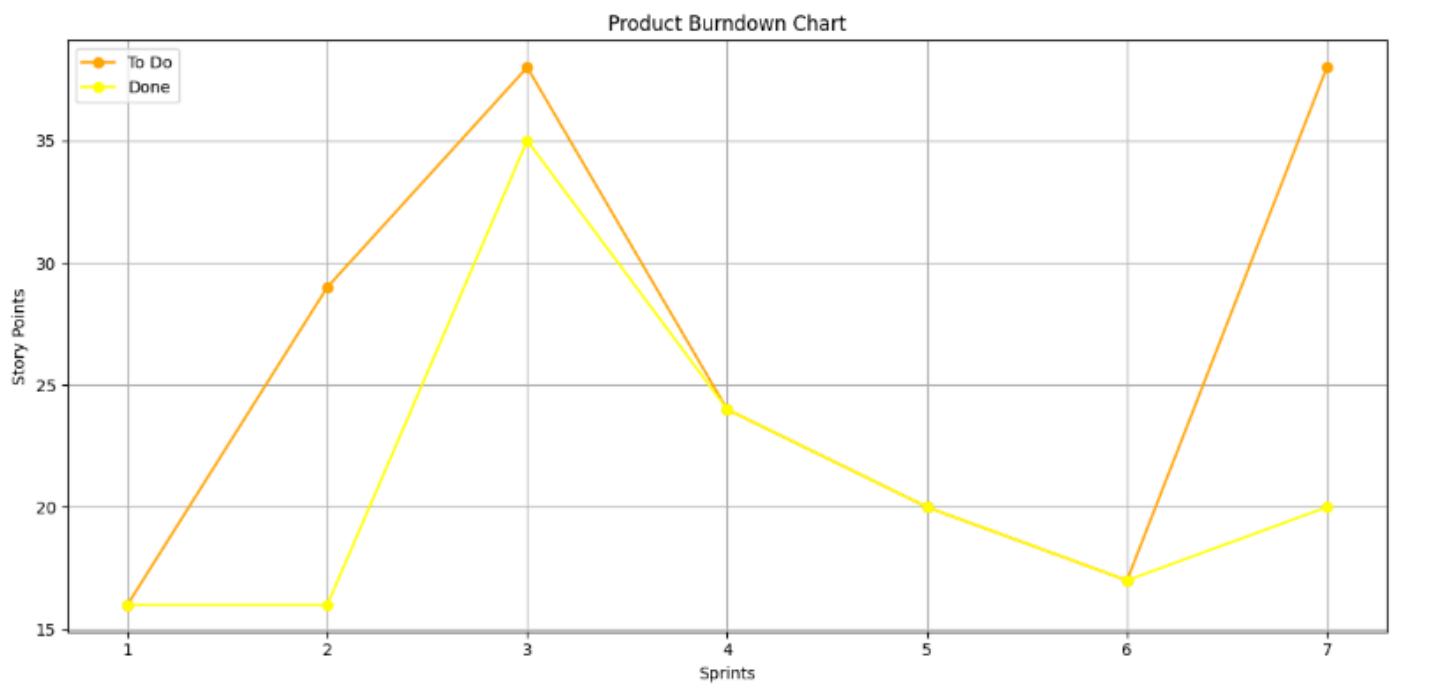


GANTT CHART

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.
- Activity 2:** Personalize Profile Tasks: Create UI elements for editing profile picture, bio, and other relevant information.
- 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. Sub-tasks: Sketch initial wireframe concepts. Develop high-fidelity UI designs in design tool. Review and iterate based on feedback. Design Email Verification Workflow. Sub-tasks: Create email template design. Design verification page UI. Ensure responsive design for mobile and desktop. Profile Customization Options Design.
- Completed Tasks:** Finalized Wireframes for Sign-Up Page Details: Completed the wireframe designs for the sign-up page, including all form fields and navigation buttons. Email Verification Flow Diagram Details: Developed a complete flow diagram detailing the email verification process from sign-up to account activation.

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. Sub-tasks: Develop UI components for each customizable option. Create interactive elements for editing and saving. Friend Search Interface Design. Sub-tasks: Create search bar and result display designs. Include filters and sorting options. Design Friend Request Mechanism.
- Completed Tasks:** High-Fidelity Design of Profile Customization Interface Details: Produced high-fidelity UI designs for the profile customization features, including interactive elements. User Testing of Profile Settings Navigation Details: Conducted user testing sessions to gather feedback on the usability of the profile settings navigation.

TRELLO DASHBOARD

Sprint 2

The Trello board for Sprint 2 is titled "SocialConnect". It contains four main columns: "Sprint 1", "User Stories", "Design Phase", and "Completed Tasks".

- Sprint 1:** Contains three activity cards: "Activity 1" (Create and Join Communities), "Activity 2" (Moderate Community Discussions), and "Activity 3" (Accessibility Features Implementation).
 - "Activity 1" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
 - "Activity 2" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
 - "Activity 3" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
- User Stories:** Contains four user story cards.
 - "User Story": As a user, I want to create and join communities based on my interests.
 - "User Story": As a community creator, I want to moderate discussions and content within my community.
 - "User Story": As a user with accessibility needs, I want to navigate and use the platform easily.
 - "User Story": As a user, I want to control the privacy settings of my profile and content.
- Design Phase:** Contains three design tasks.
 - "Community Creation Interface Design": Design the user interface for creating a new community, including form fields for community details.
 - "Join Community UX Design": Develop user experience flows for joining communities, focusing on ease of access and simplicity.
 - "Moderation Tools Interface": Design the interface for moderation tools, ensuring clarity and ease of use for community creators.
- Completed Tasks:** Contains two completed tasks.
 - "Done": Community Creation UI Finalized. Outcome: High-fidelity designs for the community creation process approved and ready for development.
 - "Done": Accessibility Options Tested. Outcome: Accessibility options like screen reader compatibility and high-contrast modes have been user-tested and refined.

The Trello board for Sprint 2 is titled "SocialConnect". It contains four main columns: "Sprint 1", "User Stories", "Design Phase", and "Completed Tasks".

- Sprint 1:** Contains three activity cards: "Activity 1" (Create and Join Communities), "Activity 2" (Moderate Community Discussions), and "Activity 3" (Accessibility Features Implementation).
 - "Activity 1" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
 - "Activity 2" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
 - "Activity 3" includes a note: "Key Tasks: Develop community creation functionality. Design and implement a join community feature. Ensure communities can be searched and filtered by interest."
- User Stories:** Contains four user story cards.
 - "User Story": As a user, I want to create and join communities based on my interests.
 - "User Story": As a community creator, I want to moderate discussions and content within my community.
 - "User Story": As a user with accessibility needs, I want to navigate and use the platform easily.
 - "User Story": As a user, I want to control the privacy settings of my profile and content.
- Design Phase:** Contains three design tasks.
 - "Moderation Tools Interface": Design the interface for moderation tools, ensuring clarity and ease of use for community creators.
 - "Community Guidelines Setup Design": Create UI elements for setting up and displaying community guidelines.
- Completed Tasks:** Contains two completed tasks.
 - "Done": Community Creation UI Finalized. Outcome: High-fidelity designs for the community creation process approved and ready for development.
 - "Done": 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 Trello dashboard for Sprint 3 displays the following sections:

- Left Sidebar:** Shows "SocialConnect Free" workspace, "Boards", "Members", "Workspace settings", "Workspace views" (Table, Calendar), and "Your boards" (SocialConnect).
- Top Bar:** Includes "Recent", "Starred", "Templates", "Create", "Search", "Filters", "Share", and "My Boards".
- Board Header:** "SocialConnect" with "Sprint 3" selected.
- Activity Column:** Contains three cards: "Activity 1: Receive Notifications for Activities" (blue), "Activity 2: Real-time Collaboration Feature Development" (red), and "Activity 3: Inappropriate Content Reporting Mechanism" (green). Each card has a "+ Add a card" button.
- User Stories Column:** Contains four cards labeled "User Story" with descriptions:
 - Activity 1: As a user, I want to create and join communities based on my interests.
 - Activity 2: As a community creator, I want to moderate discussions and content within my community.
 - Activity 3: As a user with accessibility needs, I want to navigate and use the platform easily.
 - Activity 4: As a user, I want to control the privacy settings of my profile and content.Each card has a "+ Add a card" button.
- 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.
 - Design the flow for reporting inappropriate content, ensuring ease of use and clarity for users.Each card has a "+ Add a card" button.
- Completed Tasks Column:** Contains two cards labeled "Done":
 - Users can now customize their notification preferences, with settings applied and functioning as intended.
 - Real-time chat functionality within groups and projects has been successfully integrated and tested.Each card has a "+ Add a card" button.

Sprint 4

The Trello dashboard for Sprint 4 displays the following sections:

- Left Sidebar:** Shows "SocialConnect Free" workspace, "Boards", "Members", "Workspace settings", "Workspace views" (Table, Calendar), and "Your boards" (SocialConnect).
- Top Bar:** Includes "Recent", "Starred", "Templates", "Create", "Search", "Filters", "Share", and "My Boards".
- Board Header:** "SocialConnect" with "Sprint 4" selected.
- Activity Column:** Contains two cards: "Activity 1: Event and Activity Recommendations Integration" (blue) and "Activity 2: Custom News Feed Prioritization" (red). Each card has a "+ Add a card" button.
- User Stories Column:** Contains three cards labeled "User Story" with descriptions:
 - Activity 1: As a user, I want to receive recommendations for events and activities based on my interests.
 - Activity 2: As a user, I want to customize my news feed to prioritize certain content types or sources.
 - Activity 3: As a user, I want to receive recommendations for new connections based on mutual interests or connections.Each card has a "+ Add a card" button.
- 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.
 - Configure database connection settings for the application environment. Implement backend code to establish a connection with the database server.Each card has a "+ Add a card" button.
- Completed Tasks Column:** Contains three cards labeled "Done":
 - 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.
 - Users can now customize their news feed preferences, improving their content discovery experience.Each card has a "+ Add a card" button.

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.

GRAPHICAL USER INTERFACE

 Home Explore Contact Login

We help you to Connect, Create, and Collaborate! ✨

Welcome to SocialConnect, where connections thrive, creativity flourishes, and collaboration knows no bounds. Join us in transforming social interaction today!

[Get Started!](#) [Watch Video](#)



Transforming Social Interaction with SocialConnect

Create your Profile 

Engage and Collaborate 

```
graph LR; A[Create your Profile] --> B[Engage and Collaborate]; B --> C[Engage and Collaborate]
```

GRAPHICAL USER INTERFACE

SocialConnect's Features and Functionalities



Intelligent Social Matching



Dynamic Content Discovery



Enhanced Privacy Controls

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GRAPHICAL USER INTERFACE

The image shows a purple-themed user interface for account creation. On the left, there is a large smartphone icon. Inside the phone screen, a person is holding a megaphone, and various social media icons (Facebook, Twitter, Instagram) are floating around them. To the right of the phone is a white rectangular form titled "Create your Account!" with a blue circular logo at the top. The form contains fields for First Name, Last Name, Email, and Password, each with a corresponding input box. Below these fields is a purple "REGISTER" button. At the bottom of the form is a link that says "Already have an Account?"

Create your Account!

First Name:

Last Name:

Email:

Password:

REGISTER

Already have an Account?

The image shows an orange-themed user interface for logging in. On the left, there is a white rectangular form titled "Login to your Account!" with a blue circular logo at the top. The form contains fields for Email and Password, each with a corresponding input box. Below these fields is a link that says "Forgot password?". At the bottom of the form is a red "LOGIN" button. To the right of the form is a white rectangular illustration featuring three diverse people (two women and one man) standing in a room, gesturing towards each other as if in conversation. There are speech bubbles above their heads.

Login to your Account!

Email:

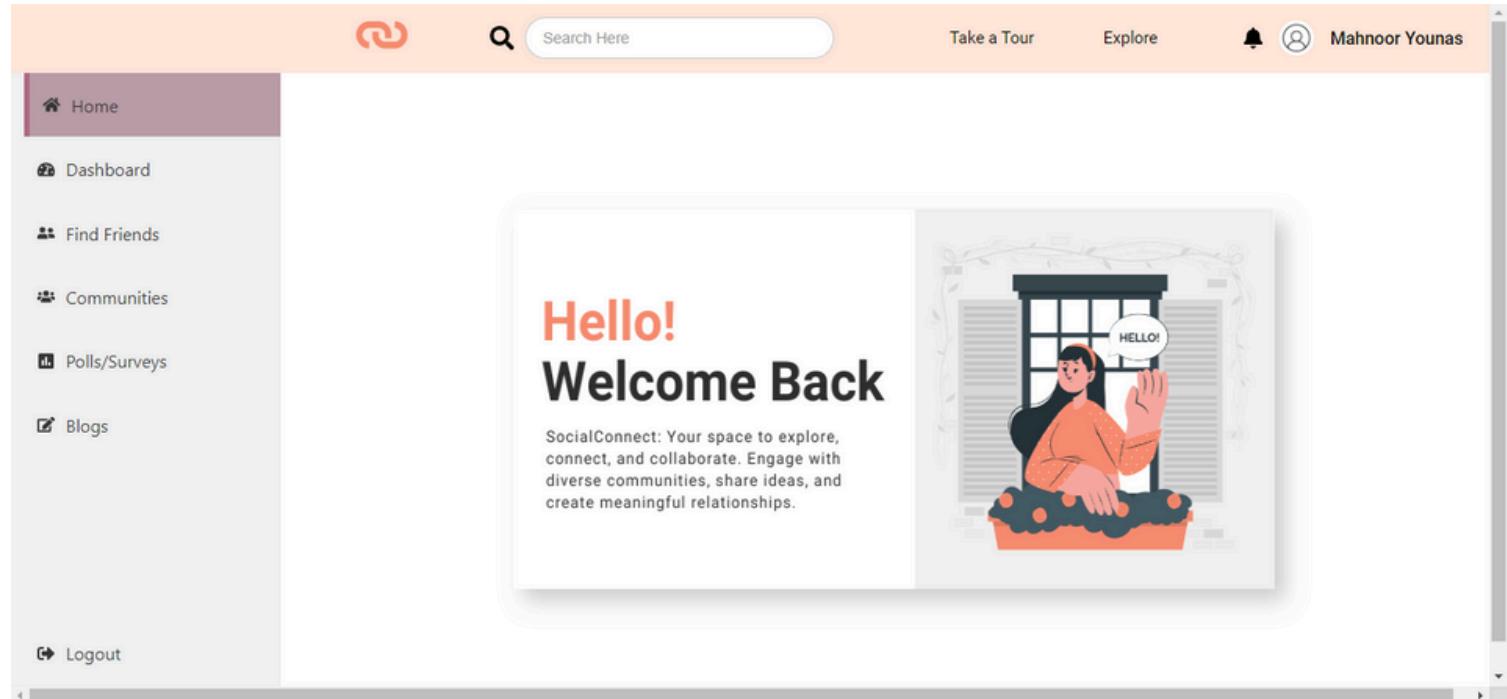
Password:

[Forgot password?](#)

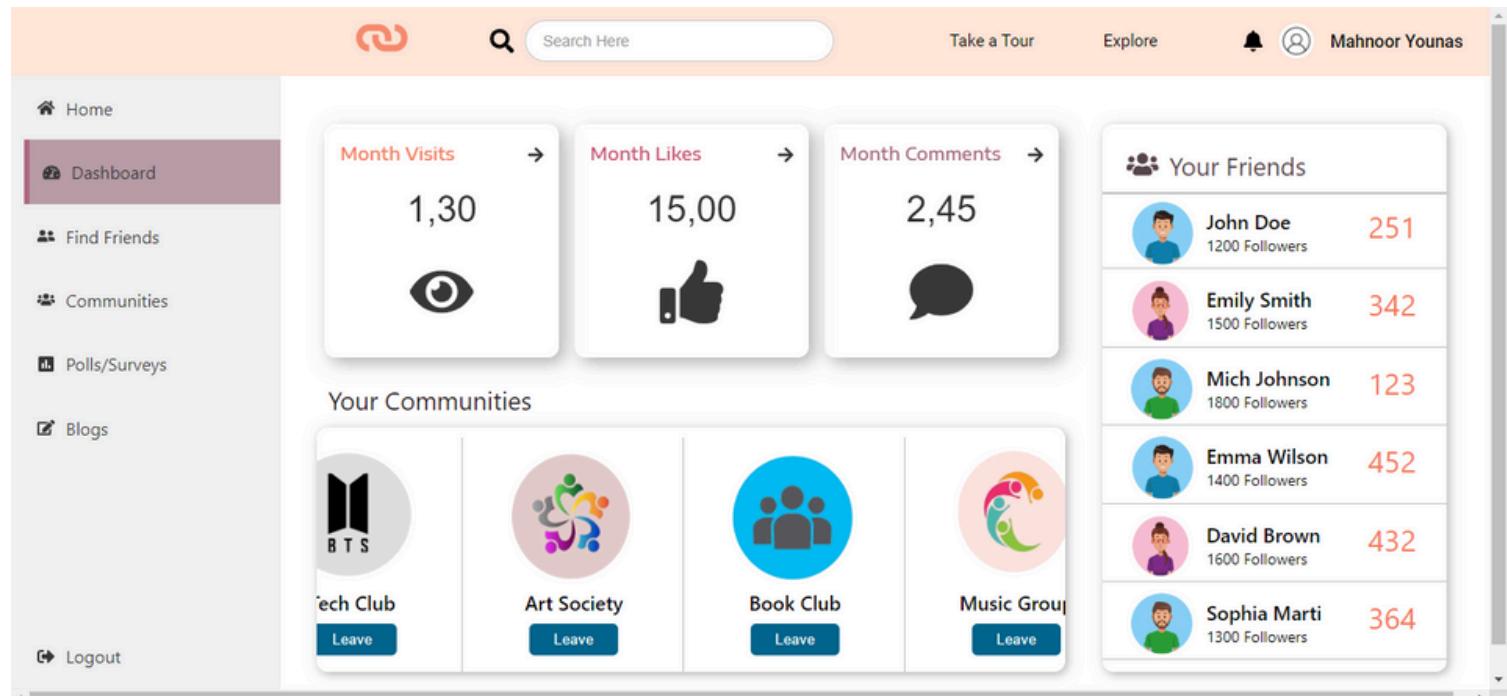
LOGIN

Don't have an Account?

GRAPHICAL USER INTERFACE



The screenshot shows the SocialConnect application's home page. At the top, there is a navigation bar with icons for Home, Search, Take a Tour, Explore, and a user profile for Mahnoor Younas. On the left, a sidebar menu lists Home, Dashboard, Find Friends, Communities, Polls/Surveys, Blogs, and Logout. The main content area features a large "Hello! Welcome Back" message with a subtext about exploring, connecting, and collaborating. To the right is an illustration of a person waving from a window with a "HELLO!" speech bubble. Below this is a section titled "Your Space" with a brief description.



The screenshot shows the SocialConnect application's dashboard page. The layout is similar to the home page, with the same navigation bar and sidebar menu. The main content area now includes three summary cards for Month Visits (1,30), Month Likes (15,00), and Month Comments (2,45), each with an associated icon. Below these is a section titled "Your Communities" featuring four community icons: Tech Club, Art Society, Book Club, and Music Group, each with a "Leave" button. To the right is a "Your Friends" section listing six friends with their names, follower counts, and profile pictures.

Friend Name	Follower Count
John Doe	251
Emily Smith	342
Mich Johnson	123
Emma Wilson	452
David Brown	432
Sophia Marti	364

GRAPHICAL USER INTERFACE

Home

Dashboard

Find Friends

Communities

Polls/Surveys

Blogs

Logout

Search Here

Take a Tour

Explore

Mahnoor Younas

Share your Happiness with the World and Find Friends!

Lot's of new profiles are registered every week, Explore and Connect with new friends now.

Explore Profiles and Find Friends

John Doe
1200 Followers
Add Friend

Emily Smith
1500 Followers
Add Friend

John Doe
1200 Followers
Add Friend Report

Emily Smith
1500 Followers
Add Friend Report

Mich Johnson
1800 Followers
Add Friend Report

Emma Wilson
1400 Followers
Add Friend Report

David Brown
1600 Followers
Add Friend Report

Sophia Marti
1300 Followers
Add Friend Report

GRAPHICAL USER INTERFACE

The image displays two side-by-side screenshots of a graphical user interface for a social networking or community platform.

Top Screenshot: This screenshot shows a main dashboard area. On the left is a vertical navigation bar with icons for Home, Dashboard, Find Friends, Communities (which is highlighted with a purple background), Polls/Surveys, and Blogs. At the top right are links for "Take a Tour", "Explore", a notification bell, and a user profile for "Mahnoor Younas". The central area features a large graphic of two people interacting with a laptop screen that displays a balance scale and various icons. To the right of the graphic is the text: "Join Multiple Dynamic Communities and Ignite your Potential". Below this is a section titled "Explore Communities and Join" with three preview cards for other communities.

Bottom Screenshot: This screenshot shows a grid of community profiles. The left sidebar and top header are identical to the top screenshot. The main area displays six community cards arranged in two rows of three. Each card includes a circular profile icon, the community name, its member count, a "Join Group" button, and a flag icon. The communities shown are:

- Blue Team**: 1200 Members
- Tech Wizards**: 800 Members
- Sunset Hikers**: 1500 Members
- Coffee Lovers**
- Book Club**
- Fitness Freaks**

GRAPHICAL USER INTERFACE

The screenshot shows a user interface for a web application. On the left is a sidebar with the following navigation links:

- Home
- Dashboard
- Find Friends
- Communities
- Polls/Surveys** (highlighted with a purple background)
- Blogs

On the right is the main content area. At the top, there is a decorative banner with space-themed icons like rockets, planets, and stars. Below the banner, the text "Today's Surveys are Here!" is displayed in bold. Underneath this, there are four cards, each representing a different survey topic:

- Music Grow >** (Icon: Girl singing into a microphone)
- Women in Tech >** (Icon: Woman speaking into a megaphone)
- Brain Health >** (Icon: Brain with a lightbulb)
- Life of Musician >** (Icon: Headphones)

At the bottom left of the main area, there is a "Logout" link.

This screenshot shows the same web application interface as the previous one, but with a different focus. The "Blogs" link in the sidebar is highlighted with a purple background. In the main content area, the text "Latest Blogs!!" is displayed in bold. Below this, there are two blog card examples:

- Exploring the future of renewable energy, examining its vital role and transformative potential in daily life, sustainability, and environmental conservation efforts.** (Icon: Person typing on a laptop)
- Underneath the starry night, whispers of the wind carried secrets of forgotten tales, echoing through the ancient woods, where shadows dance with memories.** (Icon: Person typing on a laptop)

PRODUCT REVIEW

Improvement

SocialConnect presents an innovative approach to social networking, leveraging advanced technologies to enhance user experiences and foster meaningful connections. However, there are several areas where improvements could be made to further optimize the platform. Firstly, while the intelligent social matching feature is promising, there is room for refinement in the algorithms to ensure more accurate and relevant matches. Fine-tuning the algorithm's parameters and incorporating user feedback mechanisms could help enhance the quality of social connections and reduce mismatches. Additionally, further development in understanding user behavior and preferences could enable more personalized recommendations, thereby increasing user engagement and satisfaction.

Limitations

Despite its innovative features, SocialConnect also has certain limitations that warrant consideration. Firstly, while the platform aims to foster meaningful connections, the effectiveness of intelligent social matching may be constrained by the inherent limitations of algorithmic matching. Human relationships are complex and multifaceted, and algorithms may struggle to capture the nuances of interpersonal compatibility accurately. As such, users may encounter occasional mismatches or feel that the platform's recommendations do not fully align with their preferences and interests.