Happy Moments
"Every step, a
golden journey
of wellness"

Team CareTakers

Agenda

- **Project description and problem statement**

- **Description of minimum viable product including product backlog**

- **Sprint 3 backlog**

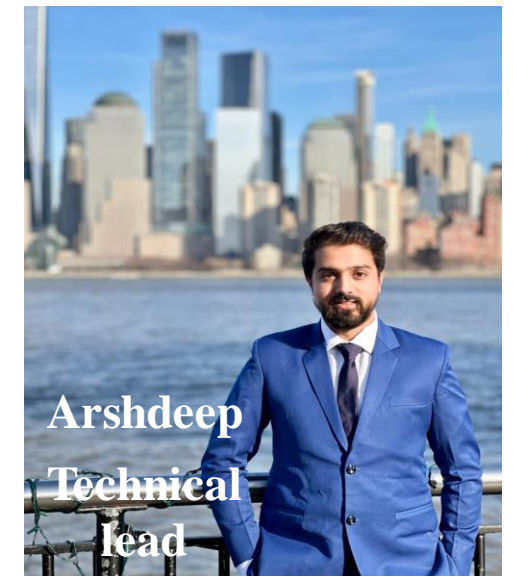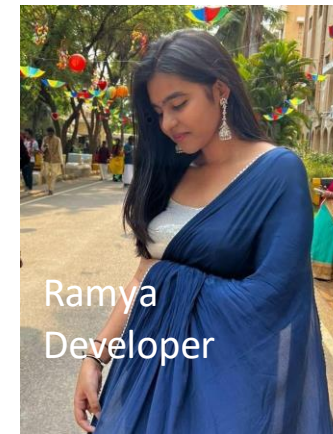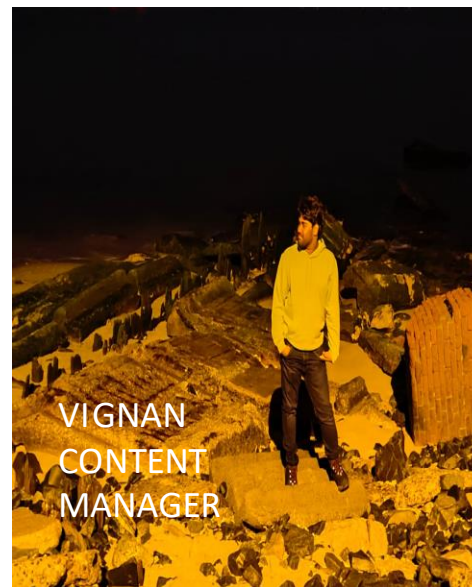- **Acceptance criteria and user stories**

- **Team metrics and plans for sprint 3**

- **Applications Screenshots**

TEAM MEMBERS AND RESPONSIBILTIES

Charan
Developer

JAY
TEAM MANAGER

Ramya
Developer

Rohit
Design Lead

VIGNAN
CONTENT
MANAGER

Ayush
Community
Engagement
Coordinator

Arshdeep
Technical
lead
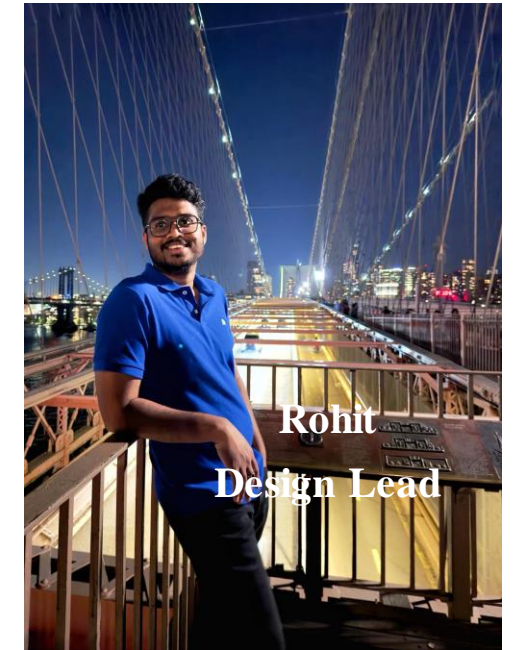
Improvements made from Professor Feedback

- In the slide titled 'Improvements Made from Professor Feedback', add bullet points detailing the feedback received and the implemented improvements.

  -We have made changes as suggested in the feedback

- Ensure that the following slides are included in the presentation as per the checklist: Product Backlog, MVP, Technologies, Sprint 1 Backlog, Test Cases, Stories and Acceptance Criteria, Completed/Committed Ratio, and   Team's Historical Velocity (Average). Also, ensure each diagram slide has a clear title.

  -Except for test cases we have included everything

- Ensure that you follow the order from the slide checklist present in your checklist workbook.

  -We have followed the slide checklist

Project Description

- Happy Moments is a holistic social networking app designed specifically for elderly users. Developed by Team Care Takers, the app aims to improve overall wellness and quality of life for seniors by innovatively addressing both their physical well-being and emotional needs like loneliness.

- The user-friendly interface features larger fonts, clear icons, and straightforward navigation for ease of use. Virtual socialization through personalized profiles, messaging, and interest-based groups helps alleviate loneliness. AI algorithms intelligently recommend groups and activities, while ML models provide personalized insights and reminders.

- Interactive cognitive games enhance mental acuity, and a resource hub offers educational content and information on local services.

Team Working Agreement

- **Objectives:**
- Clearly define project goals and ensure team alignment

- **Roles and Responsibilities:**
- Assign specific roles and responsibilities to each member
- Understand individual contributions to the project

- **Communication:**
- Regular communication channels (meetings, emails, group chat)
- Agreed response times and open, honest dialogue

Team Working Agreement

- **Meeting Guidelines:**
- Agendas, time limits, and participation expectations
- Record and share meeting minutes

- **Accountability:**
- Hold team members accountable for tasks and deadlines
- Consequences for missed deadlines or incomplete work

- **Conflict Resolution:**
- Process for resolving conflicts constructively
- Open communication and collaboration

Team Working Agreement

- **Review and Revision:**
- Regular checkpoints to review and revise the agreement
- Ensure agreement remains relevant and effective

- **Work Distribution:**
- Evenly divide tasks and responsibilities
- Clear understanding of workloads and deadlines

- **Decision-Making:**
- Established process (consensus, voting) for conflicts and important decisions
- Document and communicate decisions to all team members

Sophia

Job   Social Butterfly and Community Builder

Age   80

Satus   Married

Location   New Jersey

Background

Sophia, a retired social worker, thrives on building connections and nurturing relationships within her community. She enjoys attending social events, hosting gatherings, and volunteering for local causes.

Interests

Socializing, cooking, arts and crafts, book clubs, volunteering, dancing.

Goals

Sophia has been feeling a bit restless and is eager to explore new interests and meet new people who can reignite her sense of purpose.

Sophia is excited about the idea of using social media to discover local events, join interest groups, and connect with others who share her hobbies and passions.

She values platforms that prioritize simplicity, inclusivity, and human connection.

Evelyn

Job	Botanist
Age	67
Satus	Married
Location	New Jersey

Background

Evelyn, a retired botanist, finds solace in nature after years of studying it. She spends her days tending to her garden, capturing photos of flowers, and going on leisurely walks in the countryside. .

Interests

Gardening, nature photography, hiking, birdwatching, environmental conservation.

Goals

Recently, she's been feeling a bit lonely since her friends moved away, and she's eager to find new ways to connect with like-minded individuals who share her passion for nature

she's also seeking a platform where she can meet new people in her community and join interest groups related to her hobbies.

MVP

Homepage Section:

- Central hub introducing the platform.

- Immediate access to main features like Topics and Find Care.

- Quick stats to illustrate community activity.

- Upcoming events to maintain user interest.

- Welcoming graphic design reflecting inclusivity.

Articles Section:

- Collection of informative articles.

- Direct access to additional resources through links.

- Organized by categories for user convenience.

- Visual previews for each article.

- Educational content to support user's health journey.

Quiz Section:

Interactive quiz for user engagement.

Call-to-action to "Know About Your Self."

Illustrative graphic inviting users to participate.

Potential for personalized insights upon completion.

Encourages regular interaction with the platform.

How It Works :

Step-by-step guide explaining platform usage.

Icons and brief descriptions for clarity.

Demonstrates the ease of getting started.

Information on platform's features and tools.

Simplifies onboarding for new users.

- **Health Aid Section:**
- Overview of health-related features and services.
- Direct links to articles, health information, and help.
- Emphasizes the app's focus on health and wellness.
- User-friendly layout for quick access.
- Resources for self-help and education.

Success Stories Section:
- Welcoming title introducing user testimonials.
- Real success stories showcasing the platform's impact.
- Testimonials from diverse user demographics.
- Encourages potential users with positive feedback.
- Credibility through featured real-life experiences.

LANGUAGE AND TOOLS

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Frontend: HTML, CSS, JavaScript (React.js)

Backend: Node js

Cloud Services: Amazon Web Services (AWS)

IDE: Visual Studio Code

Version Control: GitHub

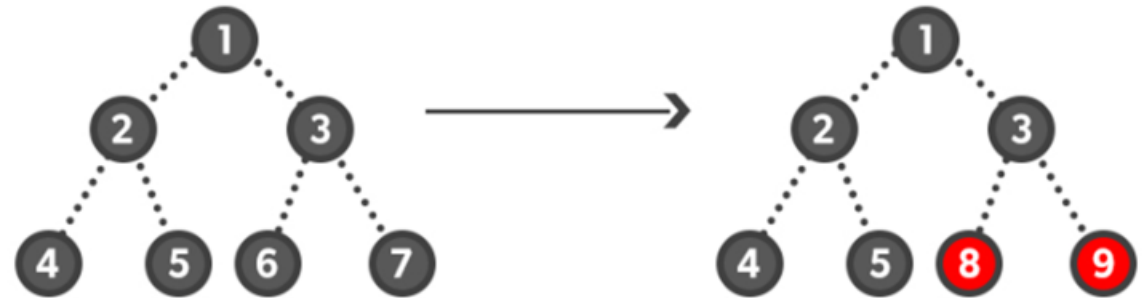**Project Management: Jira**

DataBase: MongoDB

Algorithms

- Diffing algorithm
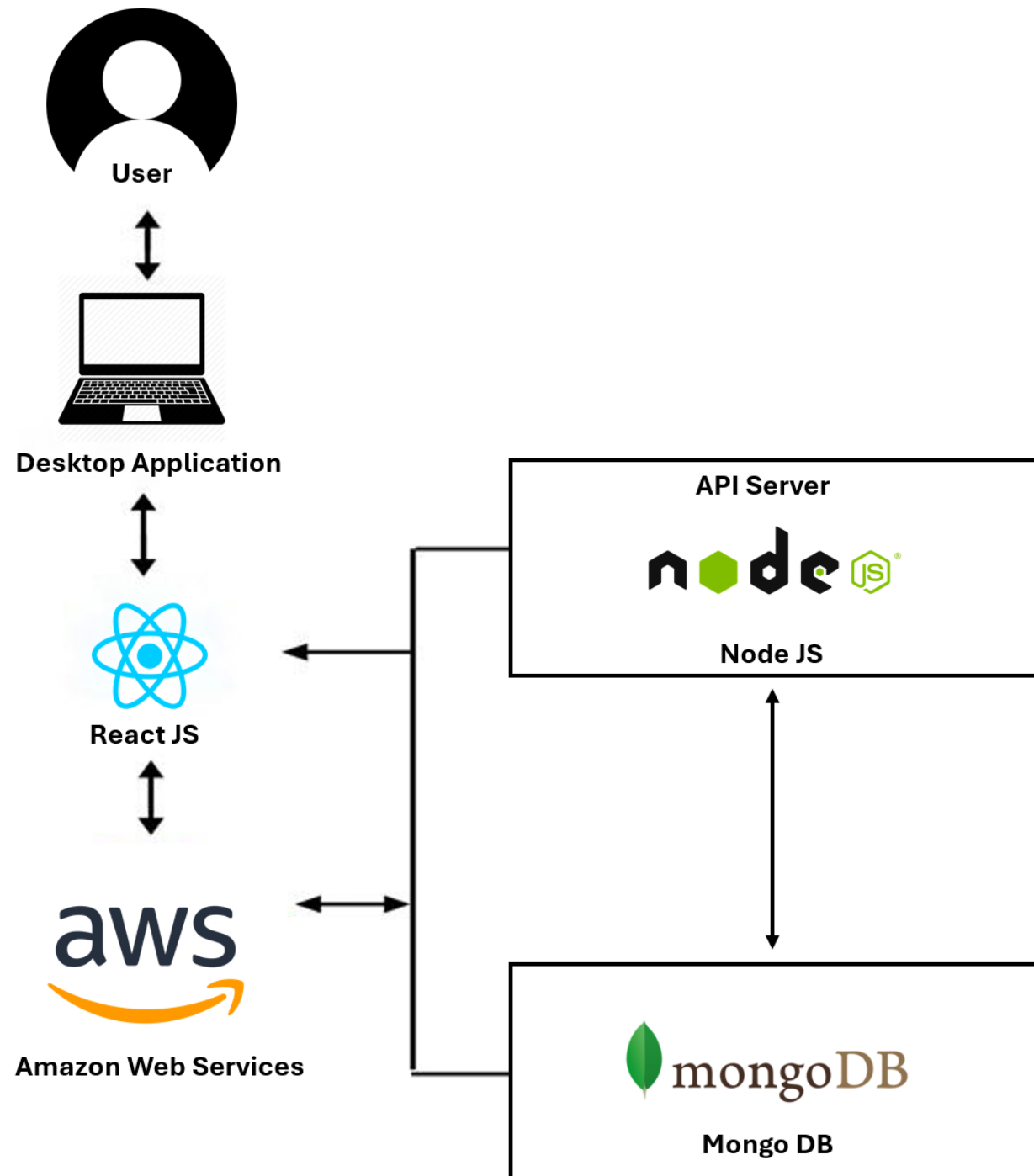 - Used to differentiate the DOM Tree for efficient updates.

Algorithms-continued

- Sentimental Analysis
  - Naïve Bayes algorithm is used for analyzing the users reaction

- Apriori algorithm
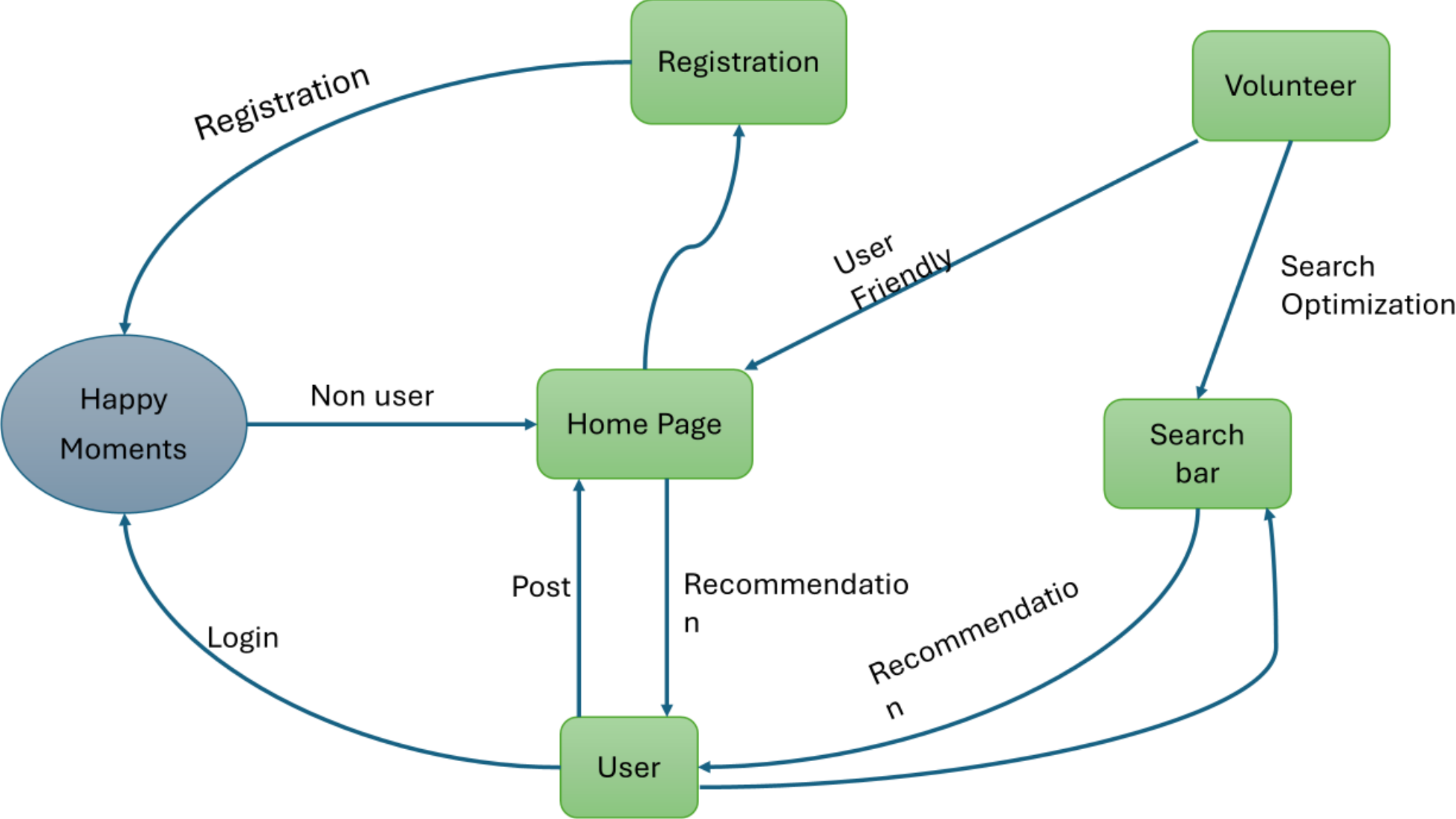 - Used by advertisers to increase target audience.

CONCEPTUAL ARCHITECTURE DIAGRAM

Sequence diagram

Product backlog

Static to dynamic:

All static data, such as images, documents, CSS, and JavaScript files, are securely uploaded to the AWS server for reliable storage. AWS ensures high availability, redundancy, and global accessibility, offering cost-effective integration with other services and secure encryption for optimal deployment and delivery.

Chat bot:

The Health Management System chatbot empowers users with personalized guidance on nutrition, exercise, and lifestyle habits, enabling them to achieve wellness goals confidently.

Friend list:

The Friends List feature in the Health Management System promotes community and accountability by enabling users to connect, share achievements, and offer support, fostering a supportive environment for long-term wellness journeys.

Group event page:

The group event page fosters community engagement by featuring event details, agenda, speaker bios, and registration. Promoted across channels, it encourages attendee interaction, networking, and feedback. Monitoring metrics ensures continuous improvement for impactful community experiences.

All the Users Stories or Tasks (Technical Stories)

- 1. Develop secure authentication and authorization protocols to ensure user data privacy and confidentiality during registration and login processes. Utilize industry-standard encryption methods and implement multi-factor authentication for added security.

- 2. Design and implement a scalable data upload mechanism to support various file formats and sizes efficiently. Utilize cloud storage solutions such as Amazon S3 to ensure reliability, availability, and scalability, while maintaining compliance with data protection regulations.

- Test Cases for Health Management System:

- 1. Registration: Verify successful registration and validation of input data.
- 2. Login: Confirm successful login, error handling for invalid credentials, and account lockout feature.
- 3. Profile: Ensure complete profile creation, handling optional fields, and special characters with length limits.
- 4. Data Upload: Verify successful image upload, camera capture, and compatibility with file formats.
- 5. Analysis: Confirm accurate analysis, system responses to health conditions, and algorithm consistency.
- 6. Goals: Verify successful goal setting, tracking, and various goal types.
- 7. Activity: Confirm accurate tracking, synchronization with fitness devices, and data consistency.
- 8. Reminders: Test timely delivery, customization, and handling of recurring reminders.
- 9. Community: Confirm group joining, visibility of content, and user interaction.
- 10. Recommendations: Verify accurate suggestions, responsiveness, and relevance/diversity of recommendations.

1. Users register securely with email/phone, ensuring privacy.

2. Profiles are created with customizable options for personalization.

3. Data, including images, is easily uploaded for analysis.

4. The system tracks progress towards health goals and provides personalized recommendations.

5. Reminders and notifications keep users on track with medication and appointments for optimal health management.

Acceptance criteria

Scenario	Summary	Criteria
1. When elderly users access the app for the first time	User should be able to easily set up her profile on Happy Moments, providing them with a personalized space to share their interests and connect with others.	• The interface should have larger fonts and clear icons to facilitate easy navigation. • Navigation should be straightforward, requiring minimal taps or clicks to access main features. • User feedback should be collected to ensure the interface is intuitive and user-friendly.
2. A 70 Year old Bety wants to send a message to a fellow user.	Betty should have a seamless messaging experience within the app, allowing her to communicate with other users conveniently and stay connected.	• Betty should be able to find and message other users easily within the app. • The messaging interface should be intuitive, with options for sending text, images, and emojis. • Messages should be delivered promptly, and Betty should receive notifications for new messages.

Acceptance criteria

| Scenario	Summary	Criteria
3. A user wants to join a group for gardening enthusiasts	User should discover and join interest-based groups related to their hobbies and interests, fostering meaningful connections and interactions with like-minded individuals.	• The user should be able to discover and join interest-based groups related to gardening. • The group interface should display relevant information, such as group members, recent activity, and upcoming events. • The user should receive recommendations for similar groups based on their interests and activities.
4. A user receives recommendations for new groups to join	User should receive personalized recommendations for groups and activities based on their profile and interactions, enhancing her engagement and satisfaction with the app.	• The app's AI algorithms should suggest relevant groups and activities based on user's profile and interactions. • Recommendations should be personalized and tailored to user's interests and preferences. • User should have the option to provide feedback on the accuracy and usefulness of the recommendations.

Acceptance criteria

| Scenario	Summary	Criteria%
5.User wants to play a memory game to keep her mind sharp.	User should access a variety of cognitive games within the app to stimulate their mind and maintain mental acuity, providing them with enjoyable and beneficial activities.	• User should be able to access a variety of cognitive games within the app. • Games should be designed to improve memory, concentration, and problem-solving skills. • User should receive feedback on her performance and progress in the games.
6.User wants to find information on local senior services.	User should easily find information on local senior services and resources through the app's resource hub, empowering them to access valuable support and assistance as needed.	• The resource hub should provide comprehensive information on local senior services, including healthcare facilities, support groups, and recreational activities. • Information should be regularly updated and categorized for easy navigation. • Betty should be able to search for specific services and filter results based on her location and preferences.

Team Velocity - this sprint
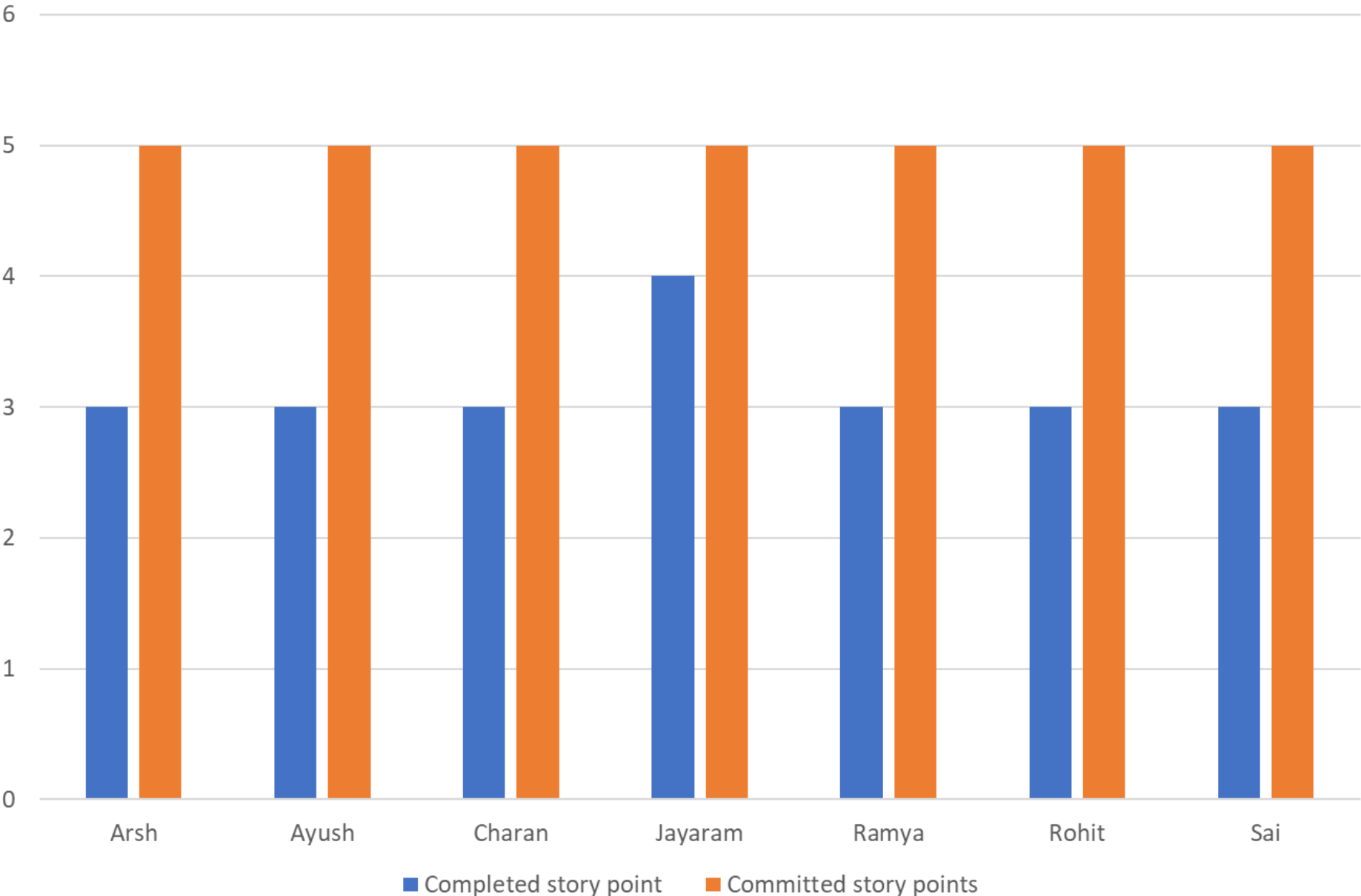
Team Historical Velocity
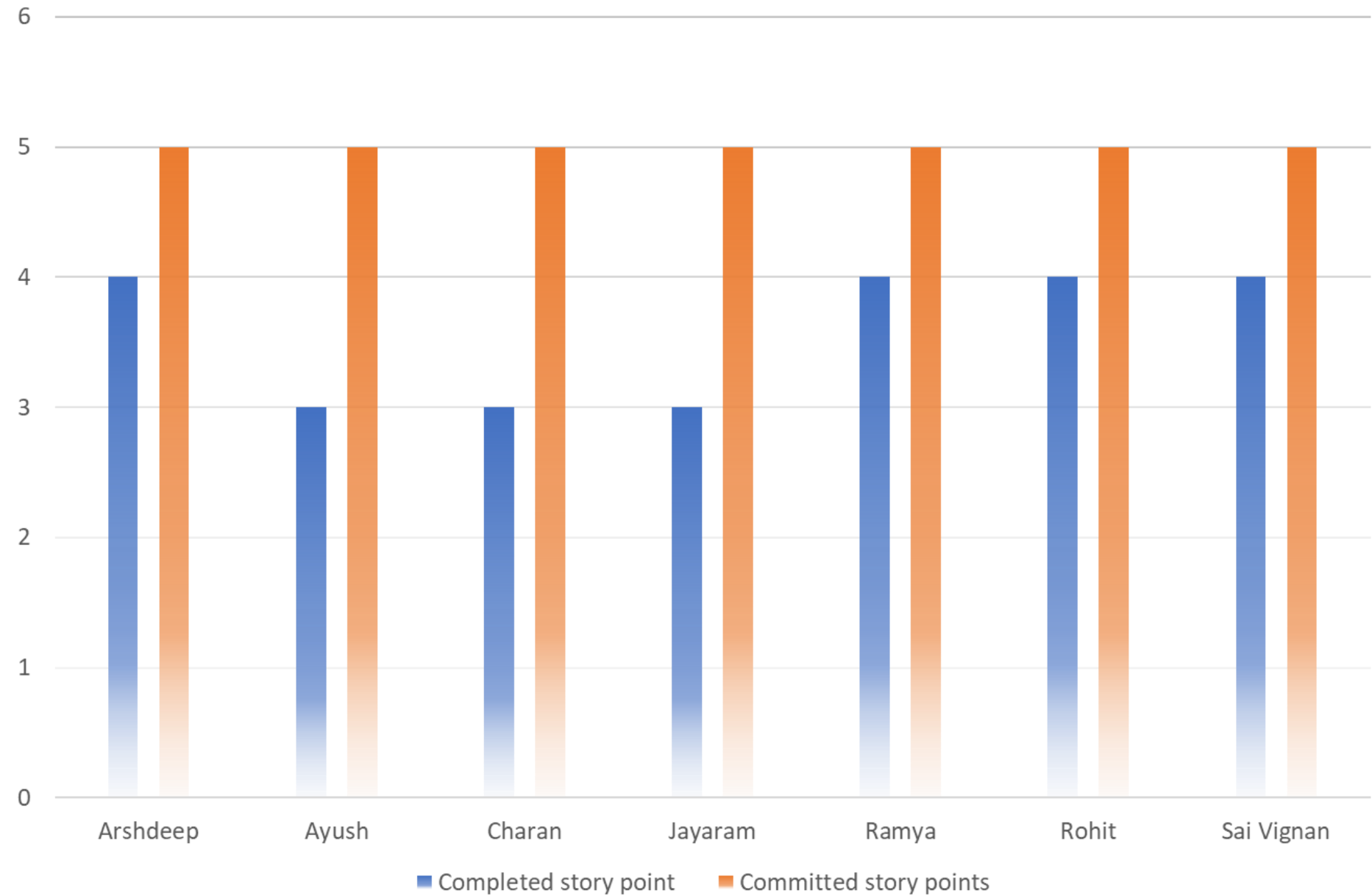
Burndown Chart
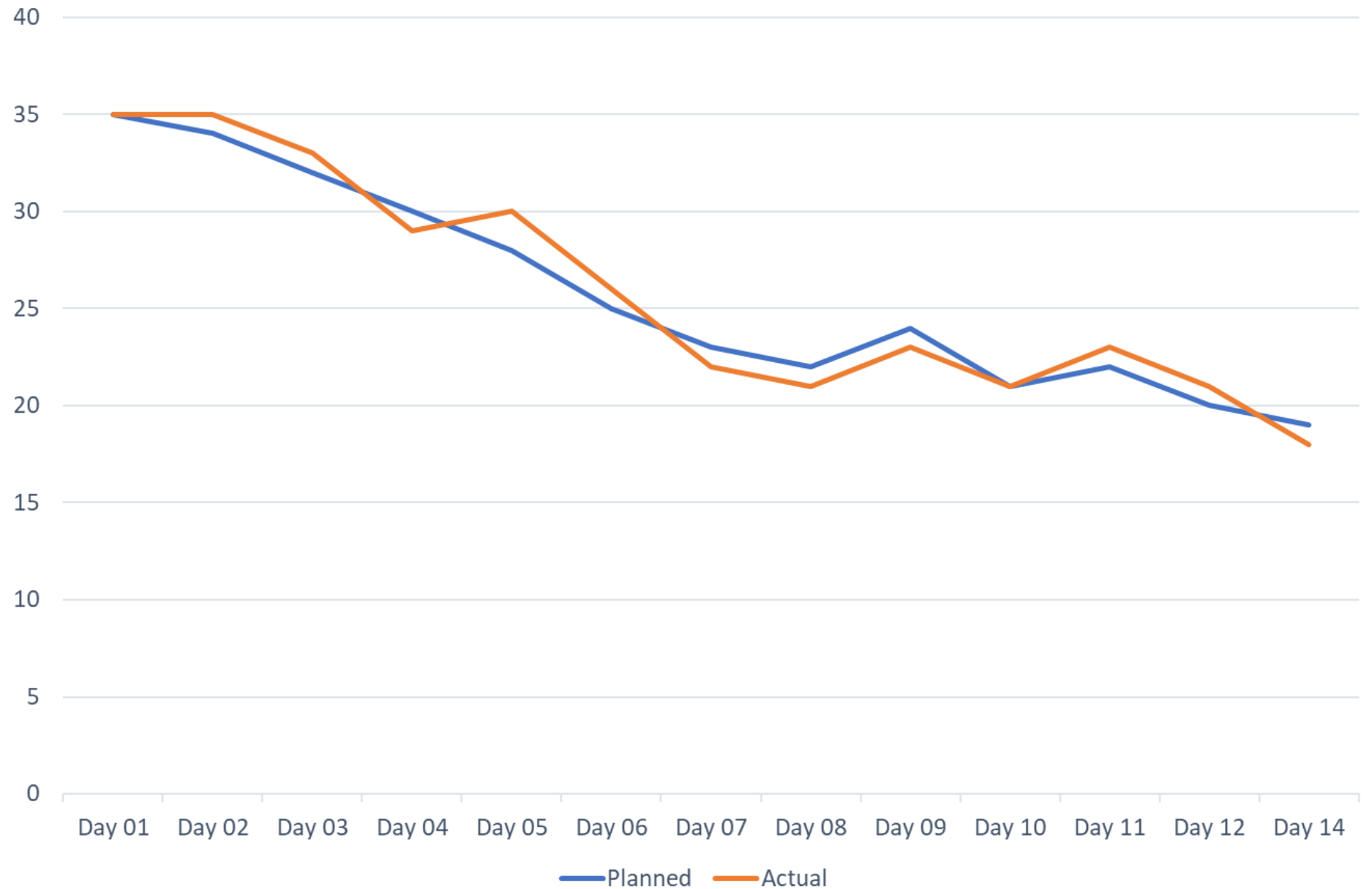
Completed/Committed Ratio

Completed	Committed
Home Trending Page	Home Trending Page
Event/Groups Page	Even/Groups page
Enhancing overall project look	Enhancing overall project look
Promoting relevant article	Promoting relevant articles
	Promoting relevant videos
	Converting static to dynamic

- With the mentioned completed and committed story points, the completed/committed ratio is: **22/35**. i.e., **62.8%**

Completed Stories

Date	Data	Done
	Home Trending Page: Creating a dynamic trending page involves content recommendations and user engagement	Done
	Event/Groups/ Page: Designing and implementing event/group pages may involve user interactions, notifications, and backend services.	Done
	Enhancing overall project look:	Done
	Promoting relevant articles: Designing and implementing displaying articles involves complex functionality	Done

Retrospective

Through out the sprint 2, the team performed admirably in meeting the deadline and maintaining high-quality standards for the third deliverable. Nonetheless, it became evident during the execution of deliverable 3 that a technical paper was necessary, albeit this realization occurred relatively late in the project timeline. Consequently, the team faced significant pressure to complete the project on schedule.

Regardless of these obstacles, the team collaborated effectively and successfully met all the requirements for deliverable 3 within the designated timeframe. However, there are few areas that could have been improved was communication, time management and health issues faced by some of the team members. There were instances of breakdowns concerning the technical paper, the team could benefit from more open and proactive communication about the requirements.

Stories planned and committed for Sprint 4

Committed	Planned
Promoting relevant articles	Promoting relevant articles
Promoting relevant video	Promoting relevant videos
Converting static to dynamic	Converting static to dynamic
	Linking chatbot with the server

CareTakers

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Forgot password?

Log In

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LOG IN

✕

SIGNUP

Name

Enter your email

Create password

☐ I agree to the Terms & Conditions

Sign Up

Already have an account? Login
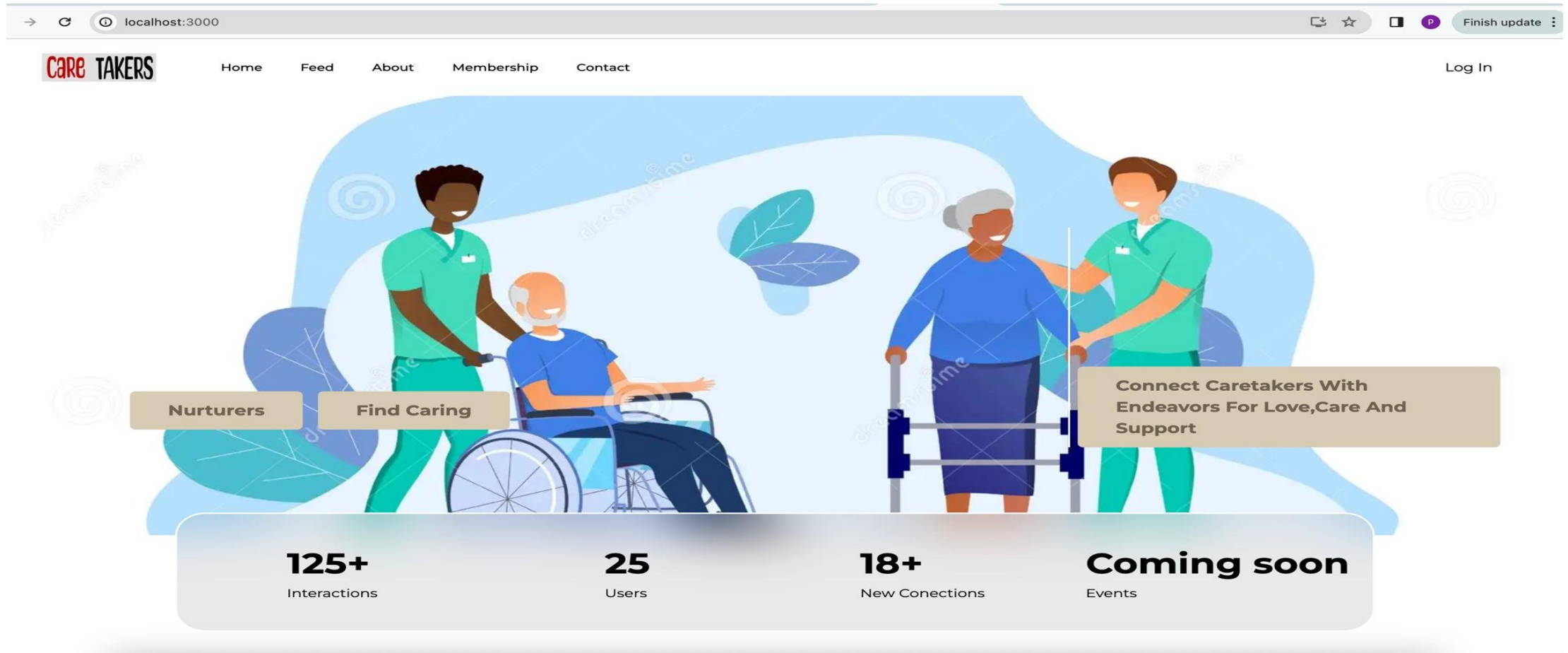
Slides App Screenshot

Slides for API

[Github link](#)