Team Agreement

Team Information:

Name	E-mail ID	Contact Number	Role
Venkata Ramana Govindu	vg772@nau.edu)	+19282251240	Team Leader
Vamsi Krishna Menakonda	vm896@nau.edu	+19282663974	Researcher
Nitalaksh Chivukula	nc2237@nau.edu	+15204919451	Contributor

Rules and regulations:

1. Priority of Team: Academic responsibilities come first before other obligations. Keeping the team informed about any conflicts is crucial for effective communication.

2. Timetables: Set fixed meeting times and stick to them. If unable to attend, give notice ahead of time.

3. Standards: Make individual and group expectations explicit regarding the quality of work, communication, and teamwork.

Deadlines and Tasks:

Project Name: MediConnect (smart way to keep track of health)

Final Deadline: End of Week 10

Week 1: Research and Planning Stage

- Task 1: Perform market analysis on existing healthcare applications
    - Conduct thorough research on existing healthcare apps to understand their features, user base, strengths, and weaknesses.
    - Identify market gaps and opportunities for MediConnect to provide unique value.
- Task 2: Establish project boundaries, encompassing the desired customer demographic and essential features
    - Define the target audience, including demographics such as age, location, and healthcare needs.
    - List essential features required for the app, such as appointment booking, health record management, and notifications.
- Task 3: Formulate a project roadmap detailing key milestones and assignments
    - Develop a detailed timeline outlining each phase of the project and key deliverables.
    - Assign responsibilities to team members for each task and set clear deadlines.

Week 2: Technical Analysis and Design

- Task 4: Analyze and select the appropriate technology stack for the application
    - Evaluate different technologies and platforms for frontend, backend, and database management.
    - Consider factors such as scalability, security, and ease of integration.
- Task 5: Decide on the architecture of the application (e.g., microservices, monolithic)
    - Determine the architectural style that best suits the project requirements and future scalability.
    - Create high-level architectural diagrams to outline the system components and their interactions.
- Task 6: Produce wireframes and visual representations of the application's interface
    - Design wireframes for all major screens of the app, including user flows and navigation.
    - Ensure the interface is user-friendly and aligns with the project's objectives.

Week 3: Development Phase Part 1

- Task 7: Develop user authentication components (Login and Signup pages)
    - Implement secure login and signup functionalities using chosen authentication methods (e.g., OAuth, JWT).
    - Ensure user data is securely stored and managed.
- Task 8: Develop the Landing page
    - Create an engaging landing page that introduces the app's features and benefits.
    - Optimize the page for various devices and ensure quick loading times.

Week 4: Development Phase Part 2

- Task 9: Develop the Appointments page
    - Implement features for scheduling, rescheduling, and canceling appointments with healthcare providers.
    - Include calendar integration and notification reminders.
- Task 10: Develop the Health Records page
    - Create functionalities for users to upload, view, and manage their health records.
    - Ensure the security and privacy of sensitive health information.

Week 5: Development Phase Part 3

- Task 11: Develop the Doctors page
    - Implement a directory of doctors, including profiles, specialties, and contact information.
    - Include search and filter options for users to easily find healthcare providers.
- Task 12: Develop the Patients page
    - Create a dashboard for healthcare providers to view and manage patient information.
    - Include functionalities for tracking patient appointments and medical history.

Week 6: Development Phase Part 4

- Task 13: Develop Guest Access features
    - Implement features that allow guests to access limited functionalities of the app without full registration.
    - Ensure a seamless experience that encourages guests to sign up for full access.
- Task 14: Integrate all developed components
    - Combine all individual components and ensure they work seamlessly together.
    - Perform initial integration tests to identify and fix any issues.

Week 7: Testing and Debugging

- Task 15: Execute unit testing for all components
    - Write and run unit tests for each component to ensure they function correctly in isolation.
    - Address any bugs or issues identified during testing.
- Task 16: Conduct integration testing of the application
    - Test the complete application to ensure all components work together as intended.
    - Validate data flow and interactions between different parts of the app.

Week 8: User Acceptance Testing (UAT)

- Task 17: Roll out the application to a trial environment for UAT with designated users
    - Deploy the app in a controlled environment for testing by a select group of users.
    - Provide instructions and support for users to test the app thoroughly.
- Task 18: Gather feedback from UAT sessions and iterate on enhancements
    - Collect and analyze feedback from UAT participants.
    - Implement necessary improvements and fixes based on user feedback.

Week 9: Finalization

- Task 19: Integrate last refinements according to UAT feedback
    - Apply final adjustments and enhancements to the app based on UAT results.
    - Ensure all features meet the required standards and user expectations.
- Task 20: Ready the deployment for the production environment
    - Prepare the app for a smooth transition to the production environment.
    - Complete final testing and validation to ensure readiness.

Week 10: Deployment and Post-Deployment Review

- Task 21: Launch the MediConnect application into the production environment
    - Deploy the final version of the app to the production environment.
    - Ensure all systems are functioning correctly and provide support for any initial issues.
- Task 22: Monitor application performance, collect analytics, and refine based on usage data
    - Continuously monitor the app's performance and user interactions.
    - Collect analytics to identify areas for improvement and optimization.
    - Implement refinements to enhance user experience and functionality.

Sanctions for Non-Participation or Non-Performance:

To ensure the successful completion of the MediConnect project, sanctions will be implemented for non-participation or non-performance by team members. These sanctions include verbal and written warnings for missed deadlines or non-participation without valid reasons. If issues persist, a Performance Improvement Plan (PIP) will be initiated, outlining specific goals and deadlines for improvement. Continued non-performance may result in the reassignment of tasks to other team members or a reduction in project privileges. In severe cases of persistent non-performance, removal from the project team may be necessary.

By agreeing to this team agreement, each member pledges to uphold open communication, contribute fairly, and meet deadlines. Any changes to this agreement require discussion and consensus among all team members.