Planning Summary

Sprint #1 - 10/6-10/19 - Project Initialization

Objective: Lay the foundation for the project by researching, planning, and designing the front-end and back-end components.

Tasks:

1. Research Database Options for React Integration
    a. Explore database options compatible with React for the project's back end.
    b. Evaluate factors like performance, scalability, and ease of integration.
2. Create Database Outline
    a. Define the database structure and schema, considering data models, relationships, and storage requirements.
    b. Document the database design for future reference.Design Website and Login Page in Figma
3. Design Website and Login Page in Figma
    a. Utilize Figma to create wireframes and mockups of the website's user interface, including the login page.
    b. Ensure the design aligns with the project's goals and user experience.
4. Research Converting Figma to React Components
    a. Investigate methods and tools for converting Figma designs into React components.
    b. Select the most suitable approach for your project.
5. Front-end and Back-end Integration Planning
    a. Create an architectural plan that outlines how the front-end and back-end components will interact and communicate.
    b. Ensure compatibility and seamless integration between different project components.

Deliverables:

- Research findings on database options for React.
- Documented database outline and schema.
- Figma designs for the website and login page.
- Research results on converting Figma designs to React components.
- A clear visual plan for front-end and back-end components.

Sprint #2 - 10/20-11/2 - Functionality Implementation and Testing

Objective: Begin implementing the core functionality of the website components, create test cases to ensure quality, and conduct usability testing to gather user feedback.

Tasks:

1. Start Implementing Functionality for All Website Components
    a. Begin development work on the website components based on the design and database outline from the previous sprint.
    b. Implement core features and functionalities for each component.
2. Create Test Cases for Website
    a. Develop a comprehensive set of test cases that cover different scenarios and user interactions.
    b. Ensure that both positive and negative test cases are considered to validate the functionality of the website.
3. Usability Testing
    a. Plan and conduct usability testing sessions with target users or stakeholders.
    b. Gather feedback on the website's user interface, navigation, and overall user experience.
    c. Identify any usability issues and areas for improvement.

Deliverables:

- Partially implemented website components with core functionality.
- Documented test cases for the website's features and functionalities.
- Usability testing report with user feedback and suggested improvement

Sprint #3 - 11/3-11/16 - Functionality Implementation, Testing, and Final Preparations

Objective: Complete the remaining development work, finalize testing, and make preparations for the last sprint, ensuring that the project is on track for a successful conclusion.

Tasks:

1. Continued Implementation and Refinement
    a. Complete the implementation of website components, addressing any outstanding functionality and design issues.
    b. Continuously refine and optimize the codebase.
2. Comprehensive Testing
    a. Execute thorough testing to cover all website features and functionalities.
    b. Address and resolve any bugs or issues discovered during testing.
3. Documentation and Knowledge Transfer
    a. Document the codebase, including code comments and explanations for future reference.
    b. Facilitate knowledge transfer within the development team to ensure everyone is familiar with the project.
4. Preparation for the Final Sprint
    a. Review the project's progress and assess if any additional tasks or refinements are needed for the final sprint.

Deliverables:

- Almost fully implemented and refined website components.
- Comprehensive testing results with resolved issues.

Sprint #4 - 11/23-12/7 - Final Wrap-up and Debugging

Objective: Complete the final phase of the project by addressing any remaining functional components, resolving any outstanding issues or bugs, and preparing for project finalization.

Tasks:

1. Finalize Functional Components
    a. Review all functional components of the website to ensure they meet project requirements and design specifications.
    b. Make any necessary refinements or enhancements to achieve desired functionality.
2. Debugging and Issue Resolution
    a. Conduct a comprehensive debugging process to identify and fix any remaining issues or bugs in the code.
    b. Test the website thoroughly to ensure it operates smoothly.
3. Performance Optimization
    a. Optimize the website's performance by identifying and addressing any bottlenecks or inefficiencies.
    b. Conduct performance testing and improvements as needed.
4. User Acceptance Testing (UAT)
    a. Perform user acceptance testing with clients to validate that the website meets their expectations and requirements.
    b. Address any feedback or issues raised during UAT.
5. Documentation and Knowledge Transfer
    a. Finalize all project documentation

Deliverables:

- Fully functional and refined website components.
- A bug-free and optimized website.
- Successful user acceptance testing results.