TEAM RHL

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Project Description:
Our proposed application, SparkBoard, is grounded in a collaboration-focused model that encourages idea generation, participation, and project execution, particularly in academic and team settings. The guiding principle of this concept is the belief that collective creativity, when supported by the right digital tools and a user-friendly experience, can lead to meaningful innovation. By leveraging simple but impactful features such as idea posting, voting, commenting, and progress tracking, SparkBoard creates a dynamic environment where thoughts are not just shared but nurtured into action. This system empowers students, teams, and organizations to turn raw ideas into real-world outcomes through a process of feedback, refinement, and collaboration. SparkBoard doesn't just serve as a storage space for thoughts—it actively supports the evolution of ideas by making innovation visible and interactive. The goal is to inspire users to engage more with creative processes, encourage teamwork, and build an accessible innovation ecosystem on their mobile devices.

Requirements Summary:

- **Functional Requirements:**
- **School-verified login and profile creation:** Ensures a secure and exclusive community, enabling users to manage their identity and contributions within the platform.
- **Idea posting with title, category, and description:** Provides a structured format for users to articulate their concepts clearly, aiding discoverability and organization.
- **Voting system (upvote/downvote):** Allows for community-driven prioritization of ideas, highlighting concepts with the most support and relevance.
- **Comment section for collaborative feedback:** Facilitates rich discussion, constructive criticism, and the iterative refinement of ideas through direct interaction among users.
- **Status tracking: New → In Progress → Implemented:** Offers clear visibility into the lifecycle of each idea, from initial submission to successful completion, promoting accountability and motivation.
- **Optional user profiles showing participation history:** Enables users to showcase their contributions, track their engagement, and foster a sense of individual ownership and achievement within the community.
- **Moderator tools for reporting and content management:** Ensures a safe and productive environment by allowing administrators to address inappropriate content or resolve disputes effectively.

Non-Functional Requirements:

- **Clean, intuitive UI for quick navigation:** Focuses on minimalist design and logical layouts to minimize cognitive load and allow users to effortlessly find features and information.
- **Data security and login restricted to school accounts:** Prioritizes user privacy and platform integrity by ensuring only authorized individuals can access and interact with the system.
- **Accessible on mobile and desktop browsers:** Guarantees broad compatibility and user convenience, allowing access from various devices and operating systems.
- **Lightweight performance for low-spec devices:** Ensures smooth operation and a responsive experience, even on older or less powerful mobile phones.
- **Feedback loops to improve system usability:** Implements mechanisms for collecting user input to continuously enhance the application based on real-world usage.
- **Support for both group and solo ideation flows:** Provides flexibility for individual brainstorming as well as collaborative team projects, adapting to diverse user needs.

Prototype Description

The selected design for SparkBoard is a **Dashboard-Centric Interface**. This centralized layout provides a single screen view showing idea submissions, voting mechanisms, comment threads, and project status at a glance. Illustrations for this design include an idea creation form, a feed with visible upvote buttons and idea categories, a dedicated comment sidebar, and a status progress tracker, potentially using badge icons for stages like "In Progress." This approach promotes fast user interaction and keeps all key functions readily visible.

User Scenario: Scenario 1 – Franco and the Idea Overload Franco, a 2nd-year marketing student, wants to start a campaign project but is overwhelmed by disorganized idea lists in his group chat. SparkBoard lets him post a campaign idea, receive quick votes, and get meaningful feedback in a clean interface—no more endless scrolls or missed replies.