

Project Proposal Presentation

CollabCanvas

Presented by-

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Problem Statement

- **Jamboard** will be discontinued on December 31, leaving teams without a collaborative whiteboard solution.
- Existing alternatives lack intuitive interfaces and seamless real-time collaboration features.
- This project will create a Collaborative Whiteboard Tool offering:
 - Easy drawing, text annotation, and shape creation.
 - Real-time collaboration and sharing.
 - A flexible and scalable platform for teams to maintain creative workflows.



Tech Stack

Frontend

- React.js
- Canvas API
- CSS Modules / Styled Components

Backend

- Node.js & Express.js
- Socket.IO

Database

- SQLite (MongoDB for scalability)

Goals

1. Implement basic drawing tools (pen, shapes, text).
2. Enable real-time collaboration with WebSockets.
3. Develop a simple UI using React.js.
4. Allow users to save and load sessions with SQLite.
5. Deploy frontend on Vercel and backend on Render/Heroku.



Timeline

Week-Wise

01

- Set up the project
- Analyze requirements
- Start building the basic UI using React.js.

02

- Work on the backend, setting up Node.js, Express.js
- Integrating real-time collaboration with Socket.IO.

03

- Focus on implementing the drawing tools, real-time collaboration features, and session storage with SQLite.

04

- Conduct testing
- Fix bugs
- Deploy the frontend to Vercel and the backend to Render/Heroku
- Wrap up with a final review.

Thank you!