**collabarative code editor**

**Abstract**

The need for efficient collaboration and real-time code sharing has become crucial to streamline their development process. There is a requirement for a collaborative live code editor platform to enhance teamwork, reduce development time, and improve code quality. There are features like managing workspace, video chat, can compile the code.

**Functional components of the project**

**use can:**

Login: This component allows the user to authenticate themselves and access the project.

Create workspace: This component enables the user to create a new workspace for their project, where they can store and manage their code files.

Share workspace: This component allows the user to share their workspace with other users, who can collaborate on the project.

Edit code: This component provides the user with a code editor, where they can write, edit, and save their code.

Compile code: This component allows the user to compile their code and check for errors or bugs.

Video chat: This component enables the user to communicate with other users via video call, while working on the project.

**user should be able to:**

sign up, login, create and share workspace, edit and compile code. If error occurs the compiler displays. while working they can collaboratively talk using video chat option.