Team 10 Project Charter

Team Members: Kevin Wu, Ryan Borzello, Saksham Jain, Shreyas Iyengar
Project Title: Synchronous: Seamless Real time Collaboration and Communication

Problem Statement:
Collaborating with teammates on small projects is commonplace in college, yet setting up a workspace for the team with existing tools is cumbersome. Synchronous allows collaborative workspaces to be created quickly, without the need to create an account or wait for invitations to be received. Existing services such as Google Drive have the overhead of having to share the documents with each team member, and quick collaborative notepad services don't have other useful features such as chat, file sharing, or whiteboards. Synchronous puts these features in one place allowing teams to start working together as quickly as possible.

Project Objectives:
- Build a webapp that allows for real time communication and collaboration without having to login or register using accounts
- Create collaborative workspaces without creating an account
- Customize your workspace with an array of apps
- Have a space for resizable drawing, note taking, and chat.
- Share files through drag and drop or upload

Stakeholders:
Users: Students working in group projects and people who need to share text or drawings in real time without any setup required.
Developers: Kevin Wu, Ryan Borzello, Saksham Jain, Shreyas Iyengar
Project Manager: Siddharth Dhar
Project Owners: Kevin Wu, Ryan Borzello, Saksham Jain, Shreyas Iyengar

Deliverables:
- Python and React based web application with apps that can be dragged and dropped into the workspace
- Firebase hosting/backend
- Firebase backend to store and synchronize data for each app
- Real-time drawing and text editing using the backend
- Messaging system to send chat messages within a workspace
- Peer-to-peer file sharing using WebRTC