

# Realtime Collaborative Whiteboard

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Course: CSE 362 - Computer Networking

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## Overview

Collaboration is an important tool in modern times. Only textual conversation is not enough to carry out goals and plans for a project or any sort of group work. Therefore the need of a different collaborative tool arises. The online collaborative whiteboard is a medium for communication among a group of authorized people, to be able to interact in the form of drawing, colors and shapes at their disposal.

## Goals

The goal is to create a whiteboard like app, except it is online and allows multiple users. Users will be able to draw on a plain surface, use different colors and also draw shapes. This simple interaction is a huge improvement of casual chat messaging. Users can take a snapshot of the page and send it to new users, who have missed the session. Existing users will be able to view others drawing and interact in real time.

## Specifications

1. Java programming language
2. Java Socket Programming
3. Glassfish Server
4. Netbeans IDE

## Milestones

1. **Feature determination:** Making a list of implementable features.
2. **Feature Implementation:** Coding phase for feature implementation.
3. **Testing:** Testing primary app on users to gain feedback.
4. **Debugging:** Error correction and loopholes fixation.
5. **Feedback implementation:** Improvement based on feedback if any.
6. **Fine tuning:** Fine tuning the app to perfection.