

CP476 Project Proposal - Web Based Drawing Application
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Project Description:

Our final project for this course will be an online drawing application where you can work with other people on one document at the same time. The base drawing application will work similar to the way that Microsoft's Paint works, the difference is the allowing of multiple users at one time to be editing it the drawing. The maximum amount of users to be editing at one time will be set to 4. The document will have an "Administrator" that has the capability to determine who is able to view and edit the drawing, while also being able to remove that capability from people who have been given it. The website will use a basic login system that requires users to sign up with their email address and create a password for their account. The Administrator will be able to lock the document at their discretion with a passcode so that no one will be able to edit the drawing while it is locked. The drawing will be able to be downloaded in the form of a pdf at any point that the user desires as long as the document isn't locked. The drawing tools will consist of a multitude of options for the user to select to create their drawing. For example, a wide variety of colours, and brush sizes/styles, with built in shapes to be created as well such as squares and circles. There will be tools for selecting certain areas of the drawing and being able to edit that particular area at the user's discretion.

Specification of Users:

The users of this web application will be of every variety as it can be used as a tool for artistic people to draw, or be used for people to sketch out diagrams, and plan for their needs. It can also simply be used as a basic drawing application where people can create drawings with their friends, or share important diagrams with their colleagues. The application will be easy to use for any user of any experience level as long as they understand how to use a computer.

Flowchart:



Milestones:

1. Create the drawing application without the online capabilities of working with other people.
2. Give the user the ability to save their drawing, and download it to their personal computer.
3. Add the online capability that gives users the ability to work with each other on one document
4. Create the ability to create an account to be able to login and view all of their drawings
5. Adding the Administrative privileges to the creator of the document.
6. Polish the application, and add any additional drawing tools and options as time permits.

Schedule:

Feb 16th - Have the basic drawing application done, where it is functional for a single user.

Feb 23rd - Have the ability to save the project, and download it to their personal computer

Mar 8th - Add the online capabilities to work with other users on one document.

Mar 15th - Add the login for the application and the documents being saved online with their account.

March 22nd - Add the administrative privileges to the creator of the document.

April 3rd - Add the final touches to make the application more user friendly, and add anymore features as time permits.