
CSD2550 Software Development

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SINGLE PAGE WEB APPLICATION: DESIGNER SHARE

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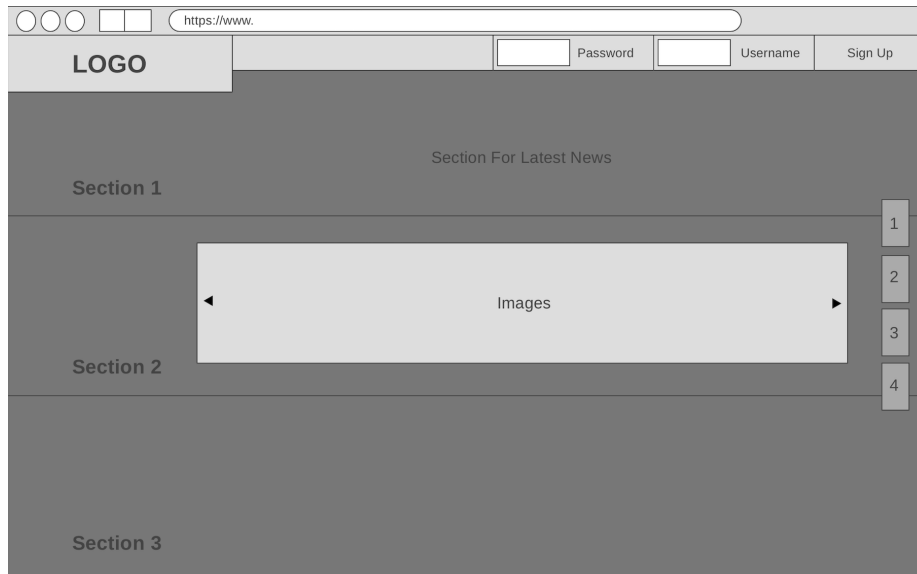
1 Introduction

For our final CSD2550 coursework assignment we have been given the task of designing and creating a single page application. This single page application must not be based on a E-commerce or a client-side JavaScript game application. My proposal for this assignment is a single page application that allows users to share high end fashion photos with other people. This will be called 'Designer Share'. Photos will be displayed in a slideshow or grid style with available interactive arrow to skip photo grids. The main key points for the single page application are the following.

- Front end of the website must have a single HTML page.
- Front end has to be written in HTML, CSS and JavaScript.
- Webpage must not be an app.
- AJAX, JSON or WebSocket must be used to communicate with the back end.
- MongoDB must not be used to store data for the website.
- Cross-browser compatibility is not required.
- JavaScript must be running on Node.js on the server.
- Marks for PHP implementation will not be rewarded so is not recommended.

2 Design

Before putting down your first lines of code it is a good idea to get inspiration and draw down a design as a guideline. Thats why i have created a wireframe to show what my website layout/design will look like. Wireframes are easy to construct and does not require any coding at all. bellow is a wireframe for the "high end fashion Photo sharing" website. It shows the blueprint version of the unfinished product in detail.



The navigation bar will be basic and located at the top of the webpage. As the webpage will be a single page i have decided to go with a scrolling website that consists of 4 sections that will contain different content related to high end fashion fashion. Within the navigation bar i will include a login and sign up option that upon selection a modal will appear. The idea of a modal appearing is because it will keep within the criteria of only having a single page application. Every website must or is recommended to have a logo as it is a representation of their business. The logo for my page application will be located in the top left corner within the navigation bar.

3 The Webpage

The single page application that I am proposing will include a couple features. As mentioned in the introduction; it will be named 'Designer Share'. The webpage application will allow users to post photos of high end fashion fashion with an upload photo section. This will be a photo sharing platform. Users will also have to have an account with 'Designer Share' to access the upload photo functions and also to like other users photos/uploads. Photo's will also be open to liking or disliking with the thumbs up/down icon. As I cannot use MongoDB to store user data i have decided to use MySQL. MySQL is a free open-source RDBMS and will be used to store user credentials for register and login.

4 Implementation

To go from my Wireframe to a finished working product, I will need to use the resources available to me such as a text editor. The text editor will be used to

write the programme and also a database like MySQL to store user credentials. JavaScript running on Node.js on the server must be used as well.

Below are screenshots of early prototype.

