

## Final Group Project

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INF 6420: Introduction to Web Development

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### **Abstract**

For this group project, Hasan, Kathleen, and Andrew attempted to create an interactive website for users to view and create a portfolio of their work. Then, using that portfolio, they could share it in a presentable manner with potential employers. This website has 6 pages, all of which utilize various kinds of coding techniques and technicalities we learned throughout INF 6420. The webpages are all interconnected and share the same formatting. The work was divided amongst the members in a comprehensive and agreeable way, and the resulting product looks akin to something you might find professionally done for someone. Along the way, our group was able to work through trials and tribulations and make the final leap towards creating a functioning website. This project was beneficial to us as students, as it tested our limits and improved our skills with coding and communicating as an effective team. There was much to learn with this assignment, and more will settle in as time rolls on.

### **Problem Statement**

In our age of technology, one of the biggest challenges many people applying for employment face is having a presence online that would allow potential employers to view their resumes, accomplishments, and contact information all in one comprehensive place. While it is possible to use social media sites such as LinkedIn, this often comes with a price that some patrons may not or cannot pay. Thus, by having a portfolio website available for patrons to use and modify to their own information, the library can become a place that aids those in need of employment without having to pay any fees to use.

This website will consist of all the concepts we have learned in this course such as a page describing their accomplishments in their industry and providing embedded videos on the page for users to view, any academic publications they may have written or contributed to, as well as the links to the PDF version of the research paper, a resume available for viewing as well as the actual comprehensive document available for download, and a form for users to contact the developer and leave a substantial amount of information in the system for future use. All these pages are deemed necessary for a patron seeking employment to display their skills and accomplishments to potential employers.

### **Solution Design Statement**

#### **Purpose/users of your website**

To help patrons in creating their own website portfolio to use as a tool to demonstrate competence in web page design as well as provide information on their experience and education.

## **Website Functions**

Patrons will be able to design a website that allows potential employers to view active social media sites, view completed industrial project videos, view academic publications, view a current resume with opportunity to download full pdf document, and use a contact form to contact the developer. The website will be completely circumnavigable, with the user being capable of perusing the website in its entirety and getting ahold of anyone keeping an eye on the site's feedback form or Contact Me form.

## **Number of Webpages**

There are six pages on the website.

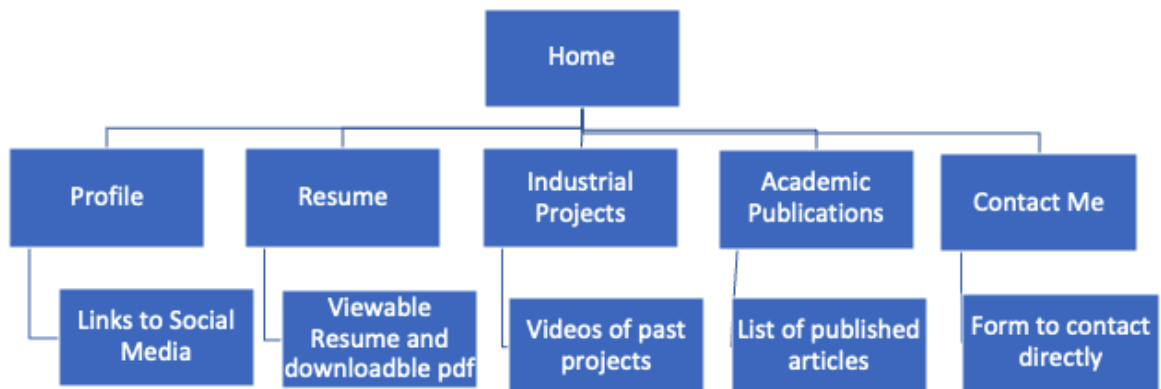
- A Homepage (Index Page)
- A Profile Page with links to various social media accounts
- A Resume page (with downloadable PDF for full viewing)
- Industrial Project Page (with embedded videos)
- Academic Project Page (with downloadable PDFs of publications)
- Contact Me Page (with a full form for user interfacing)

## **Sources**

The webpage was organized around a single person, so as not to be confusing. Therefore, the profile page links a variety of social media sites that Hasan is affiliated with, And the industrial projects page has videos of demonstrations of different industrial projects that Hasan has worked on in previous jobs in his field. The academic publications page has abstracts for two different publications that Hasan was a part of as well as the links to the actual articles. The resume page information is from Hasan's actual resume and includes the option to download the pdf file.

Much of the code was either sourced from previous web projects, or Hasan was able to produce sections of code that would help with styling or keeping our backgrounds in-sync and links working.

### Web page organization chart



## **Group Collaboration Process**

### **Task Allocation**

Each group member agreed to take on two of the six pages. The written report was outlined and filled out by Kathleen, and Hasan and Andrew were able to help with editing and adding in information, as necessary. Hasan was tasked with creating the index and profile pages. Hasan also made sure that the CSS matched up between all the webpages and that the group could follow the format he used to style the index. Andrew created the industrial projects and academic publications pages, building up from what Kathleen and Hasan were able to put together on the style sheet and making sure that the videos and links to articles were functional and would also work between multiple different devices of various make and size. Kathleen created the resume and Contact Me form pages, making sure that the resume was formatted to look like a resume, and ascertained that the form was laid out in a simple, yet informative way to keep the UI as clean for patrons as possible.

### **Group Collaboration**

Considering that the course is 100% online, we agreed via Canvas email to utilize Microsoft Teams exclusively for our communications. Much of the resources and group documents were added to the group area, however much of the work was done via the chat, and many of the code files were kept there instead of the main group page of Microsoft Teams. This seemed to help everything stay together in a convenient place for us to access them. It was decided to use Teams because the platform allows for real time chat as well as uploading and downloading files from each other. Like Google Docs and Microsoft 365 Office, the Microsoft

Teams space allows multiple people to collaborate on documents at the same time. This allowed for quick and easy communication amongst the team members.

### **Group Interactions and Issues**

All team members communicated efficiently and clearly. We were all able to contact each other with ease via the Teams platform and were able to go back in the chat thread for more information if needed. Collaboration was at an all-time high, as ideas and code were bounced back and forth and finalized with everyone's agreement. Each team member was respectful when speaking with one another and made every effort to answer any questions or concerns as they arose throughout the project. The largest issue the team had was that one of the team members lives in a different time zone and thus, at times, the team had to communicate with each other at various times in the chat or wait for responses to come later when work and sleep schedules would allow for it. However, this was not a large enough hurdle to impede our group's work, nor did it hinder any communication between the members. Communication was kept open, and understanding was had all around that the time zones would have some effect on the project. Aside from the odd sickness, or religious holiday, or prior obligations, there was no real obstacle in the way of this team.

### **Conclusion**

This project tested the limits of what we knew of HTML and CSS coding, but it was a worthwhile project for many reasons. As a group, we had some issues that arose and a few obstacles to overcome. We were able to help each other and grow as a team and individuals to ensure that our project was taken care of. This project has also been instrumental in

demonstrating the value of teamwork. We all had to make sure we were able to communicate and collaborate as a team, and there were no complications too big for us to handle. We were consistently able to help each other out and make sure that what one person may have stumbled on, another could explain what they thought and share code or ideas on how to solve the problem. This project came together quite well, and aside from all the valuable lessons learned, the website that we were able to create in a matter of days has been humbling and amazing to behold.