

COMP.5130 - Internet and Web Systems |
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Project Report

- + **Thought About** - I have come-up with a project called Docket. The objective of this idea is to create a web page with one huge hub of checklists where users can view and search different kinds of checklists, getting their tasks done easily and organized. These checklists are categorized into 4 categories. They are Task, Discipline, Coordination and Troubleshoot, making it more structured for the user interaction. Additionally, 'popular list of dockets' is also included where, the most viewed checklists are listed. Next is the 'Your Checklists/ To-Do Lists', where a user can customize their To-Do List by adding their personal to-do's.
- + **Came-up with** - Taking up this project was a huge step for me, without having a background in Computer Science. But this idea for the project is something that I have come-up with my deep interest since i'm one those persons who use checklists and To-Do's on a daily basis. As suggested by the professor during the start of the project, I have created a mock-up of the interface using HTML5, CSS and JavaScript. It was my first time to work in-depth with these technologies. For the back-end I have implemented PHP, MySQL along with tools like XAMP and phpMyAdmin to handle the administration of MySQL over the web. Also, I made sure that my web page is responsive, where this being accessed on any device, the user can have an optimal viewing experience.
- + **Struggled-with** - Every step when developing the project was a struggle. But my interest for this idea kept me driving to work-on it. I had to learn all the technologies that I have implemented in this project. It took me a lot of time to learn even before implementing them. The biggest struggle was when creating the User Authentication for the Sign-Up/Log-in. I have installed MySQL on my MAC along with MAMP. But that gave me a lot of trouble by freezing my laptop frequently. Once when I made changes on phpMyAdmin, the whole tool got locked displaying a message 'Access denied'. It stopped me accessing the host. I did a lot of research online, but there were hardly any solutions for MAC. It took 3 weeks to set-up the User Authentication where I finally migrated to Windows OS and installed all the tools there.
- + **Read** - I have read many articles online, watched a lot of videos and researched about the tools and technologies before implementing them, to make sure they fit best for this project development. Along with this, Professor's lectures have been a lot helpful to know about them. I was also focusing on creating a good User Interface. Taking-up course called Human Computer Interaction parallelly with IWS helped me view the idea of the interface for a better user interaction. I made sure the website doesn't look complicated or tricky for the users. But then the UI still needs a lot of development.

- + **Solved** - My vision for this idea is very complex. But starting as a beginner, I have solved the need for searching for a checklist on google by solely creating a space only for checklists and creating To-Do's. For now, I have just provided few checklist, but i'm going to develop the web page further with a lot of updates. I also wish to upgrade this on a mobile app where the user can access this anywhere at their fingertips.