

Part 1:

I designed and coded the final assignment as my portfolio page. The purpose of the website is to show and share my design works and projects to the visitors. The majority of the visitors will be possible recruiters from companies and the website is their first impression of me as a designer and a possible candidate for the new recruit. I organized my main page with different sections to make it interesting and engaging. There's a heading section on a card with my name and title as an experience designer. And the card is interactive with the mouse; it will face the position of the mouse pointer. I followed the design trend of 'cards.' Each picture and the description for the projects are separate cards with shadow behind them to make them look like they are floating. In the 'about' page, I used the black box with white text to draw visitor's attention to my name and current status. I added little sparks to give a look of a space. On each project page, main project picture greets the user and the page composition is made up of overview, problem, research, process, and final deliverable. I tried to make the texts brief yet informative to share my thought process. Finally, I added the link to my resume, which will open in the separate tab so that the visitors (recruiters) don't have to go back.

Part 2:

- 1) **Mouse movement:** In the main page, move the mouse pointer around inside the page and the card with my name on it will face the pointer.
- 2) **Mouse Hover:** In the main page, the card with the title and brief description of the projects expand a little bit when the mouse is over the card. The Case Study buttons enlarge too on top of the enlarged card.
- 3) **Mouse hover and Click:** In the about page, the white stars move around inside the black box. When you hover the mouse pointer on top of them, the stars would enlarge and the effect would follow the mouse pointer. When you click inside the black box, new stars would be generated.
- 4) **Scrolling down:** On each project page, as you scroll down the page, the images would reveal itself moving upward and fading in.

Part 3:

Bootstrap 4

- i) **Name of tool:** Bootstrap
- ii) **Why you chose to use it:** Bootstrap has built in framework that is useful to quickly format the webpages. It lets me quickly create sections inside the webpage and organize elements.
- iii) **How you used it:** I used it to put pictures in a same row for certain window size and change the orientation to one column if the screen size was under certain limit. The container class makes automatic margin on each side, making the website looks more organized.
- iv) **What it adds to your website:** It made my website responsive to various screen sizes. The navigation bar makes it easier to go to certain page from one page.

Hover.css

- i) **Name of tool:** Hover.css
- ii) **Why you chose to use it:** It gives interactivity to the website with just moving the mouse pointer. It shows you where is the interactive part in the website.
- iii) **How you used it:** I used it to the section where it has the important information such as title and button to the project page.
- iv) **What it adds to your website:** As the user goes through the main page, enlarged card gives more visibility and enlarged button invites the user to click on it. On top of the mouse pointer changing into a hand when over the button, enlarged button is easier to click.

Particle.js

- i) **Name of tool:** Particle.js
- ii) **Why you chose to use it:** Rather than static background, it gives more live feeling. It also gives spacious feeling to the black box in the about page.
- iii) **How you used it:** I used it as the background for my name and the current status as a MHCI student. I made it interactive by enlarging the white stars as you move your mouse pointer on top of them.
- iv) **What it adds to your website:** I call myself as an experience designer and floating stars give subtle animation on a static webpage.

AOS.js

- i) **Name of tool:** AOS.js
- ii) **Why you chose to use it:** The one action every user conduct on a webpage is scrolling down. I wanted to make that experience more engaging.
- iii) **How you used it:** I used it on the images on my project pages. As users scroll down, the image would gently appear on the screen, calling attention of the visitors.
- iv) **What it adds to your website:** It gives visitors an anticipation of what's coming up with the picture.

Part 4:

I added a 3d-effect in the header section of the main page to give more animated feature as the user first visits the website. Instead of putting two projects per row, I focused on one project with bigger picture and showing more detail than just a title.

Part 5:

The biggest challenge was to make the website responsive to the screen size. Although I used the bootstrap, because it has so many properties, I didn't use it for the main page where cards are stacked. I manually changed the breakpoint to make it responsive.