BCSE203E – Web Programming Lab

Winter Semester 2024 – 2025

Project Report

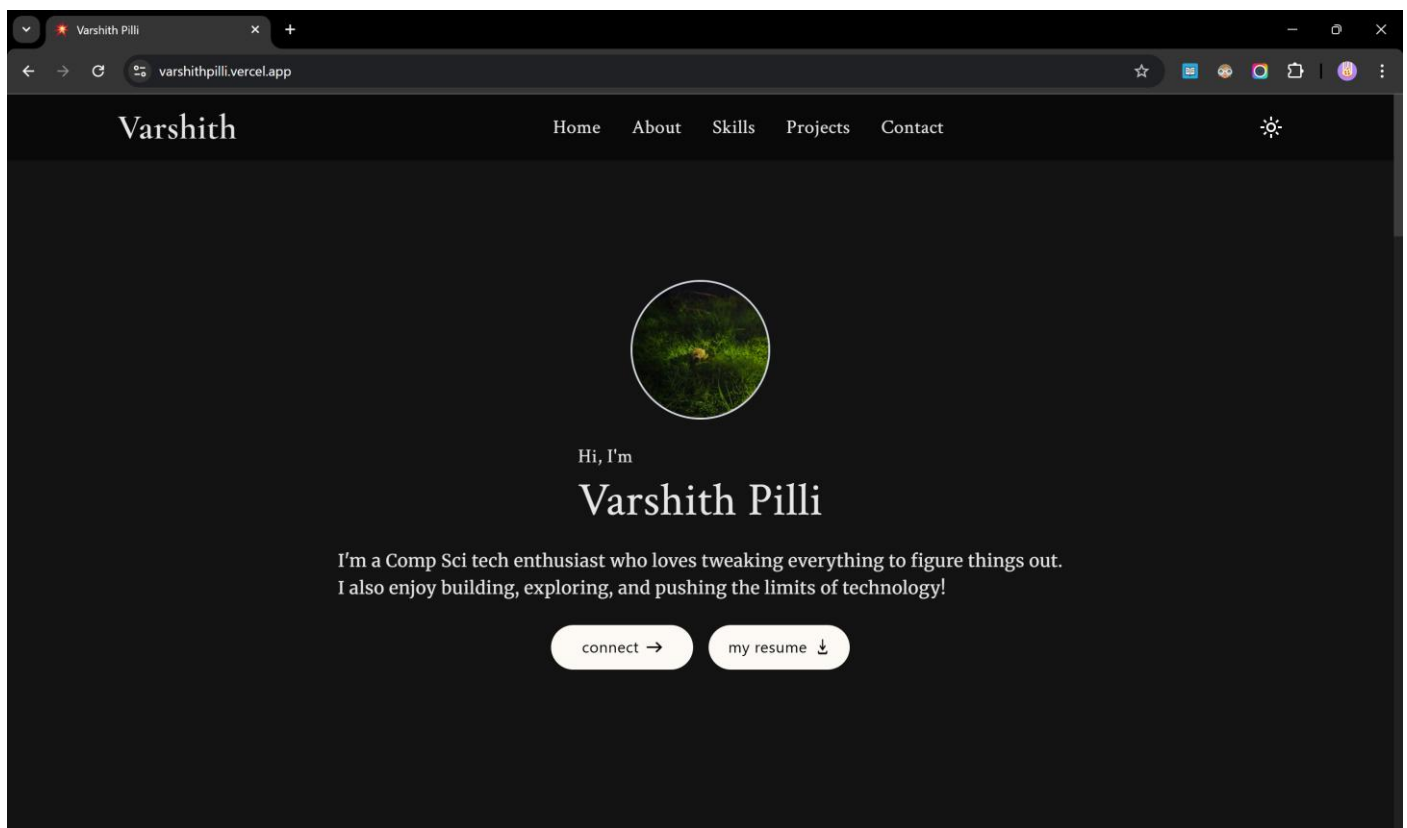**NAME: Varshith Pilli**

REGISTER NO. :23BPS1136

Live site link:

A responsive portfolio website made partially using Next.js with TailwindCSS and React components deployed on vercel (recommended for Next.js apps).

The main website consists of five sections

- Home
- About
- Skills
- Projects
- Contact

The landing page consists of the Home section already in display.

Apart from these there also a few other components at play like Navbar and Footer.

The Navbar is made fixed so it lays on top of the sections even during scrolling for easy access.
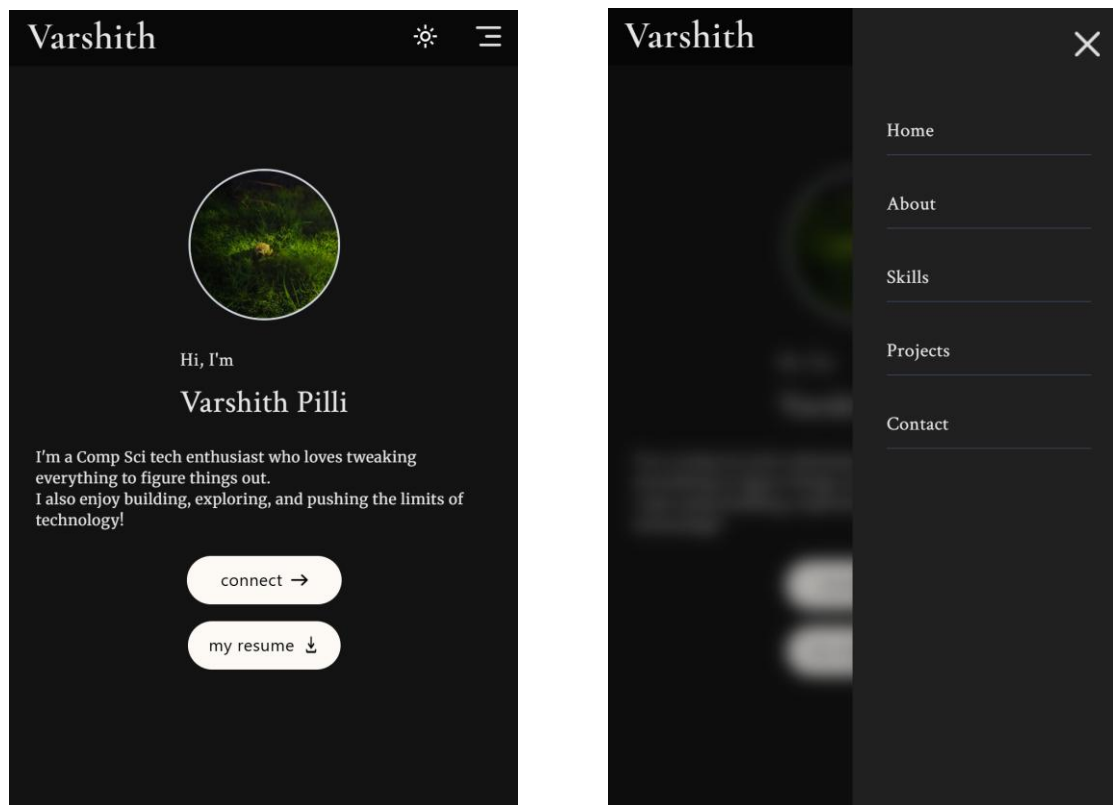
The website also supports light mode and dark mode which can be toggled from the top right corner.

The webpage also has hover effects on some interactive components which can be explored through the live link.

The Home section consists of a few lines of self-introduction followed by a "connect" button which scrolls to the Contact section.
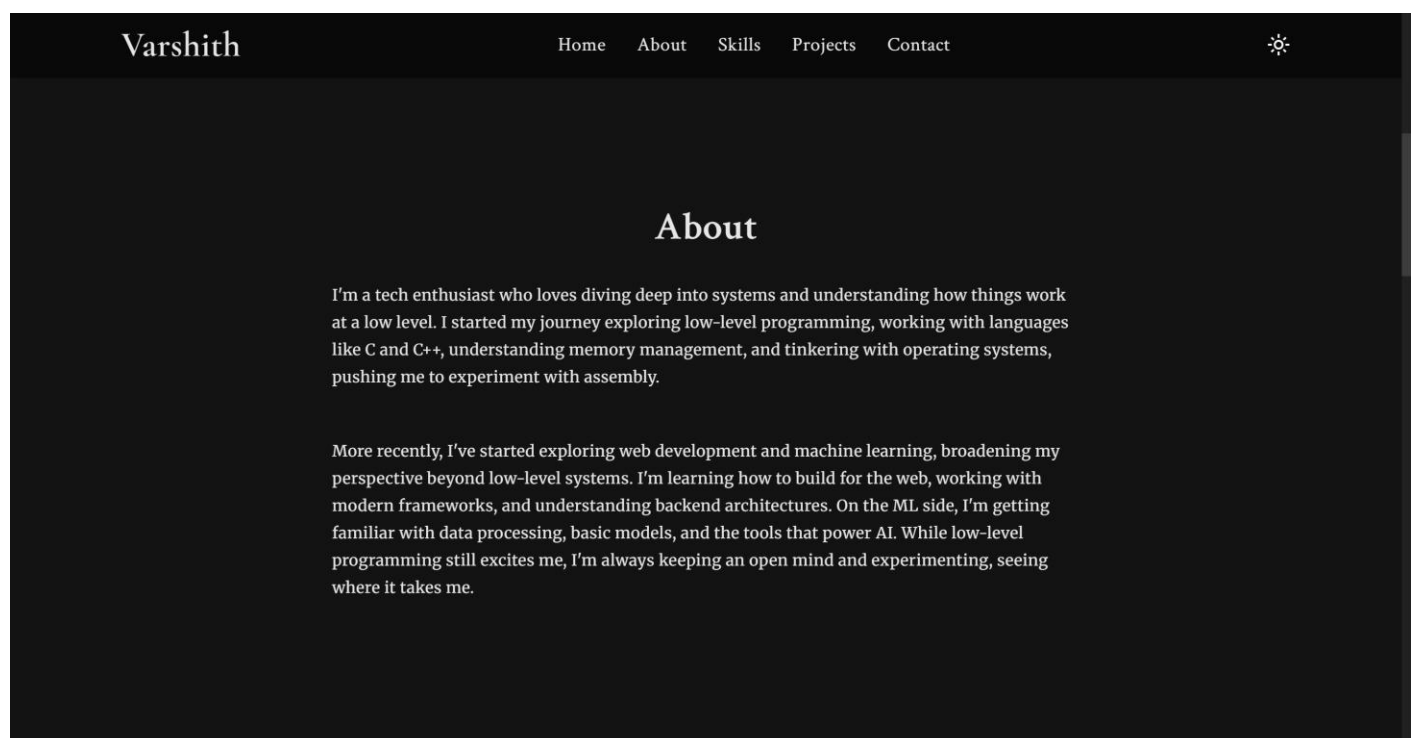
The section also has a "my resume" button which upon click would download the resume to the device in .pdf format.

During mobile view the sections in navbar would be shifted to the side bar which can be accessed by the hamburger button.
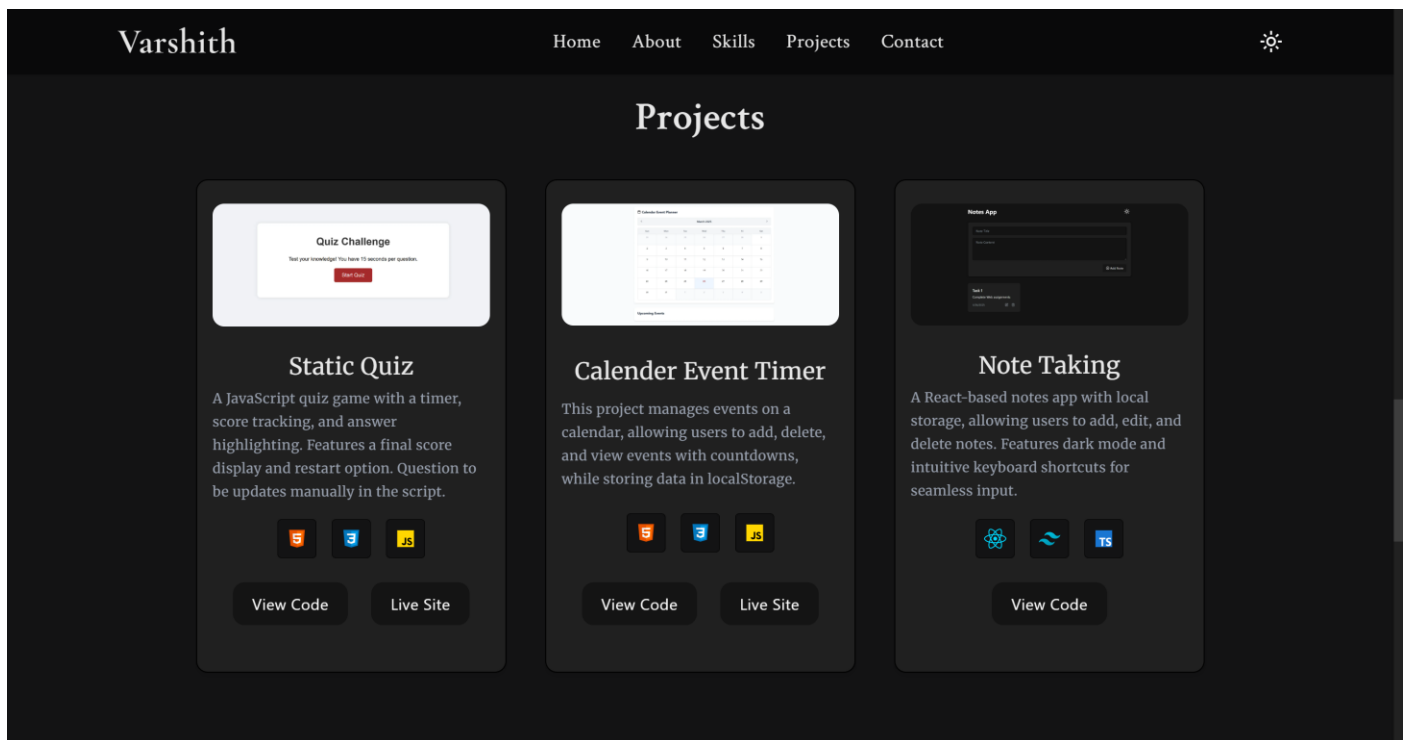

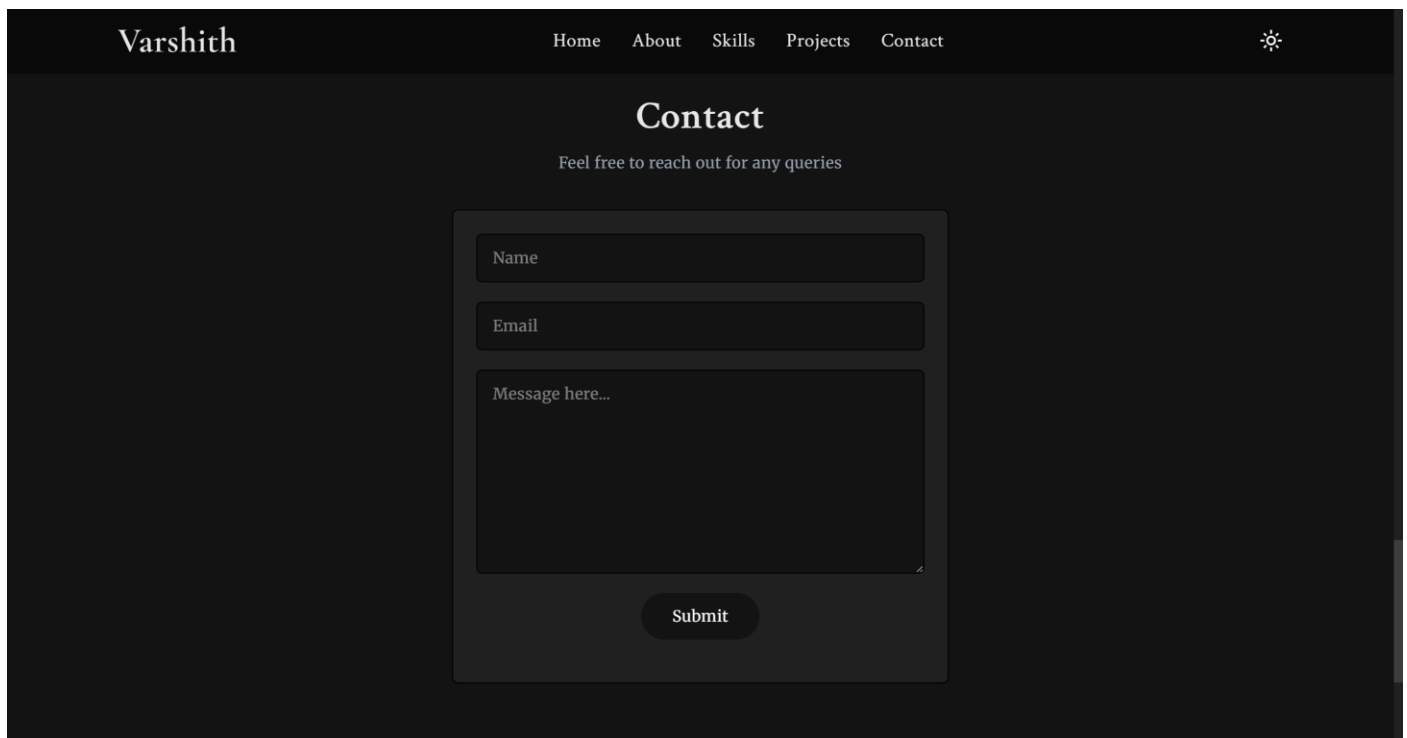To exit from the side bar, we could either click on the X icon or tap on the screen outside the sidebar.

The different sections can be accessed via direct scrolling or through the quick access links - navbar (desktop view) and sidebar (mobile view) with smooth-scroll.
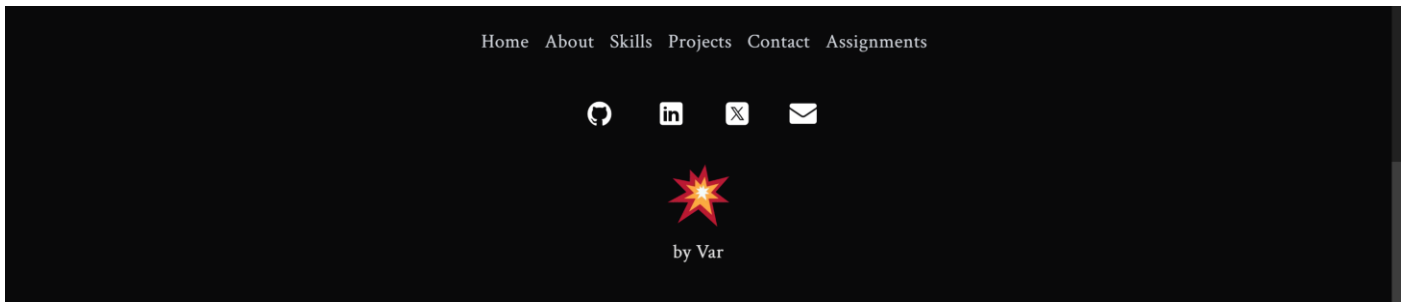
The projects section consists of buttons to redirect to the source code on github.com and the live site (if published).
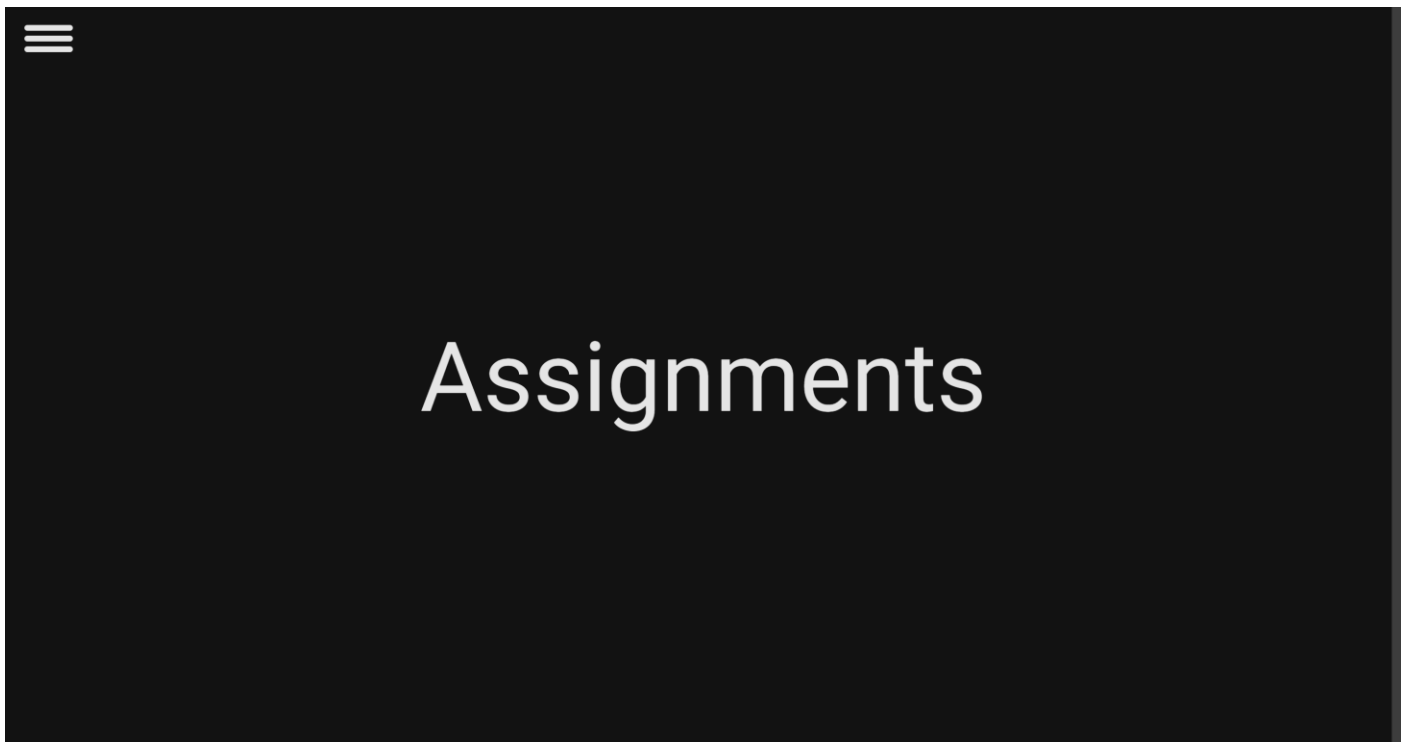

The contact section is directly linked to the mail using an API, making the messaging process more user friendly.

In the Footer section, we can find the links to different socials and other ways to contact along with quick access to different sections in the landing page.
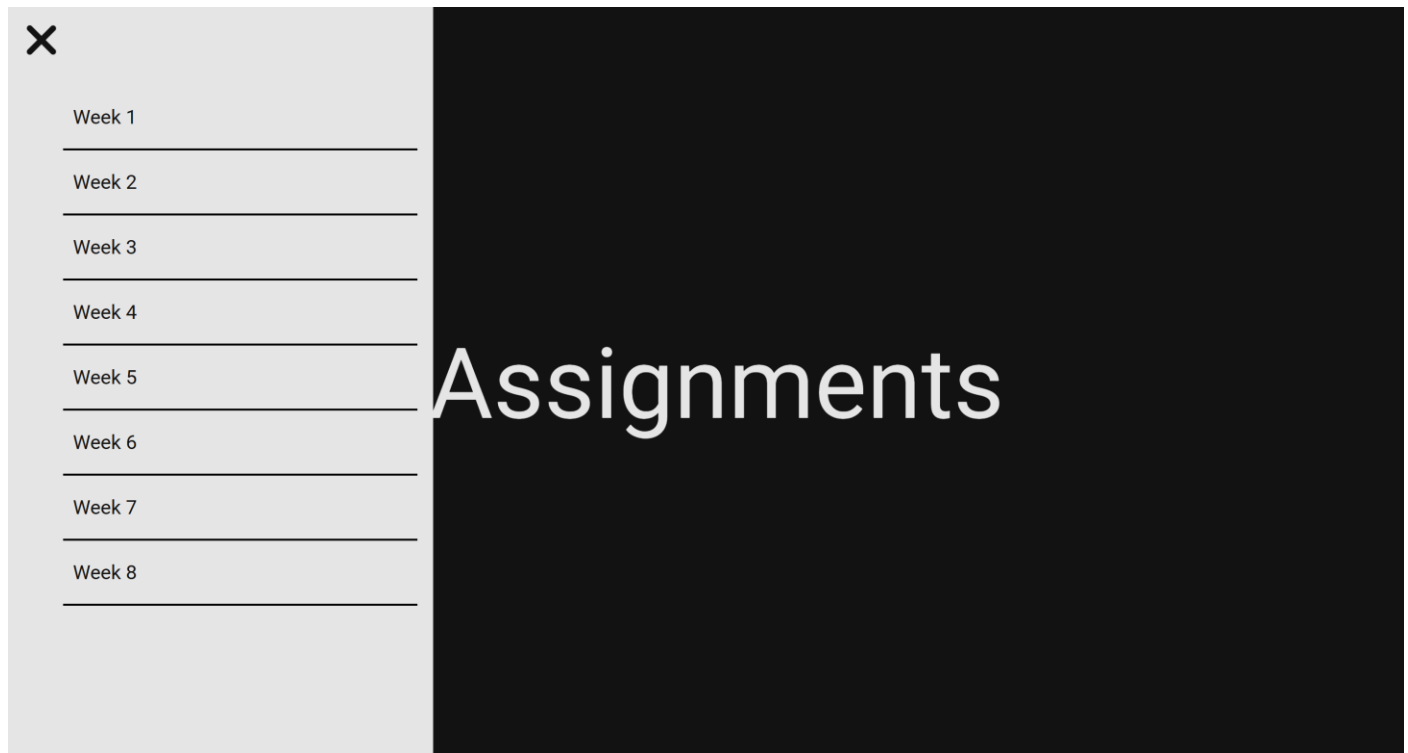

In the footer, we can also find an Assignments link which would redirect to the practise assignments page.
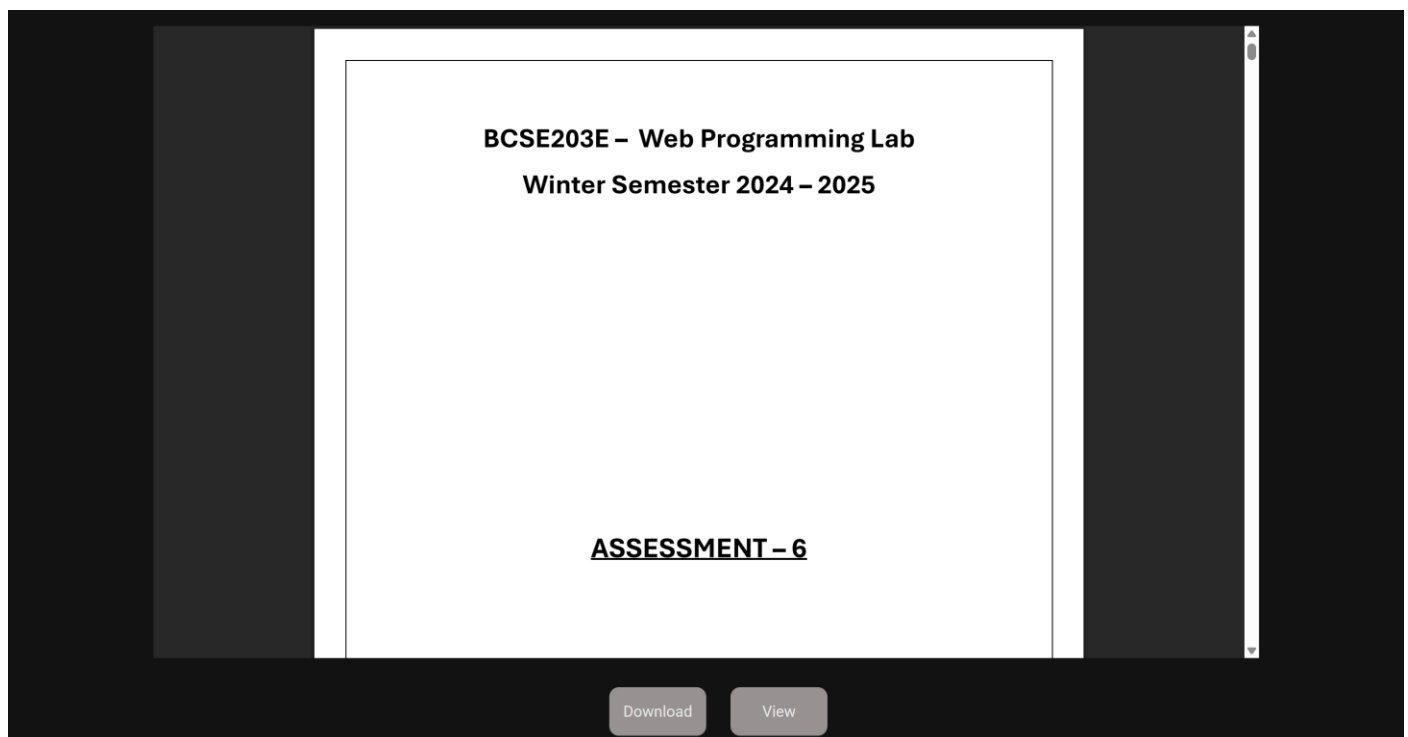

This page is individually deployed on github pages, and uses HTML, CSS, vanilla JS, giving it a more simplistic look as compared to the Landing page of the website.

Using the hamburger menu in the top left corner, we can access the assessments sorted through weeks.

Clicking on any of these weeks would redirect to another webpage which would display the assignment pdf along with options to download or view the assignment online (if possible).

Note: The click of the "view" button would trigger a small function written in JS which would open new tabs containing the webpages of the assignments, this is blocked by most web-browsers and would only open one webpage, to get its full effect, we need to disable "block pop-ups from this website" which will automatically be visible on the top right corner of the web-browser on the assignments page.