SOFTWARE ENGINEERING ASSIGNMENT

Submitted by

22A21A05T1 22A21A05T6 22A21A05T7

(3rd Year CSE-E)

[THIS IS THE APPLICATION WE ARE GOING TO BUILD DURING THE ASSIGNMENT]

Currently we are designing the frontend login page for phonepe application.For that we are using ai tools like copilot,gemini,chatgpt.And using GITHUB for building website which has access and available on internet.

What is GitHub?

GitHub combines Git, a powerful [version control system](#), with features that facilitate collaboration and [project management](#).

Here are some key points to understand about GitHub:

1. **Version Control**: GitHub uses Git, a distributed version control system that tracks changes to your code. Git allows multiple developers to work on a project simultaneously without overwriting each other's changes. It keeps a history of all changes, making it easy to revert to previous versions if needed.

2. **Collaboration**: GitHub is designed for collaborative work. It allows multiple people to contribute to a project, review code, discuss issues, and merge changes efficiently. This makes it an ideal platform for open-source projects and team-based development.

3. **Project Management**: GitHub provides tools for managing your projects, such as issues, pull requests, and project boards. These features help you keep track of tasks, bugs, and enhancements, making it easier to manage your project's workflow
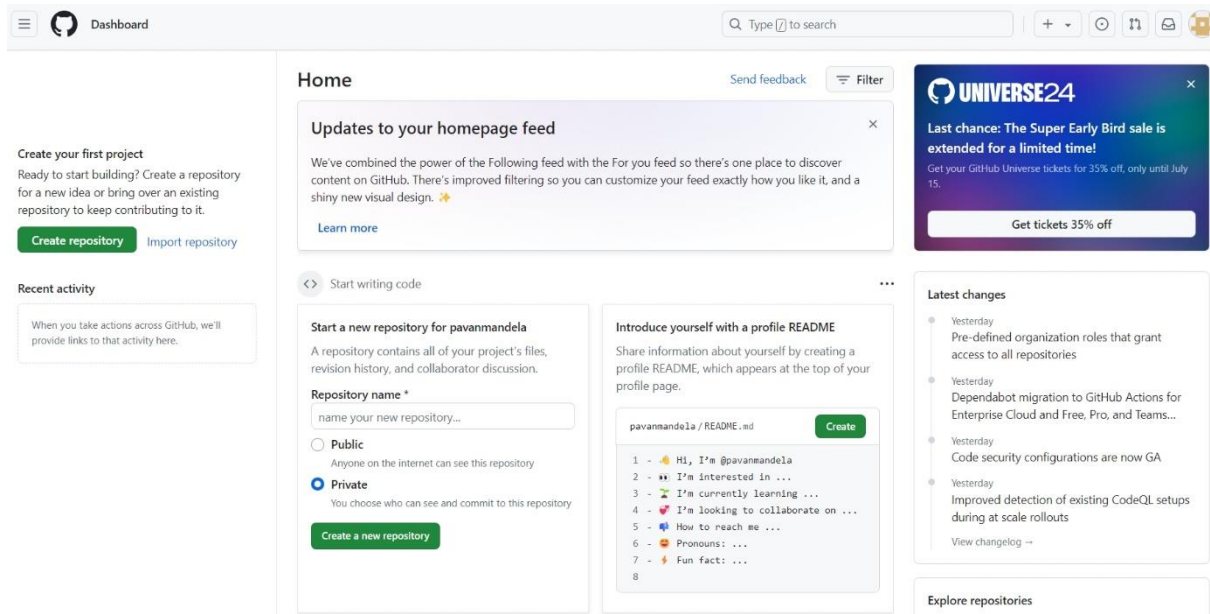
Github is useful to create own websites/repositories
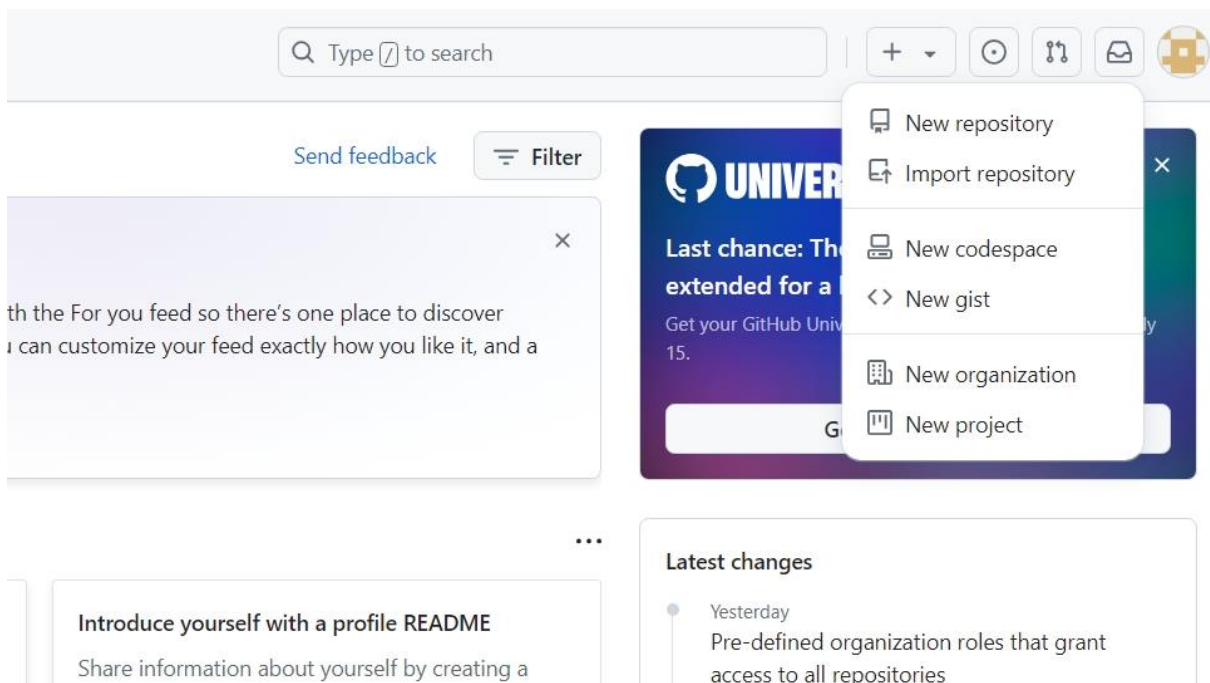
HOW TO CREATE OWN REPOSITORIES

Here,we are using github to build phonepe login page webpage.

Steps to Create the Repository

Step 1: After successfully setting up GitHub account login to your account. You will see the screen as below.

Step 2: Click on the **new repository** option

Step 3: After clicking **new repository** option, we will have to initialize some things like, **naming our project**, choosing the **visibility** etc. After performing these steps click **Create Repository** button.

Step 4: After clicking the button, we will be directed to below page. Right now the only file we have is a readme file. Now click on the "Upload files" button.
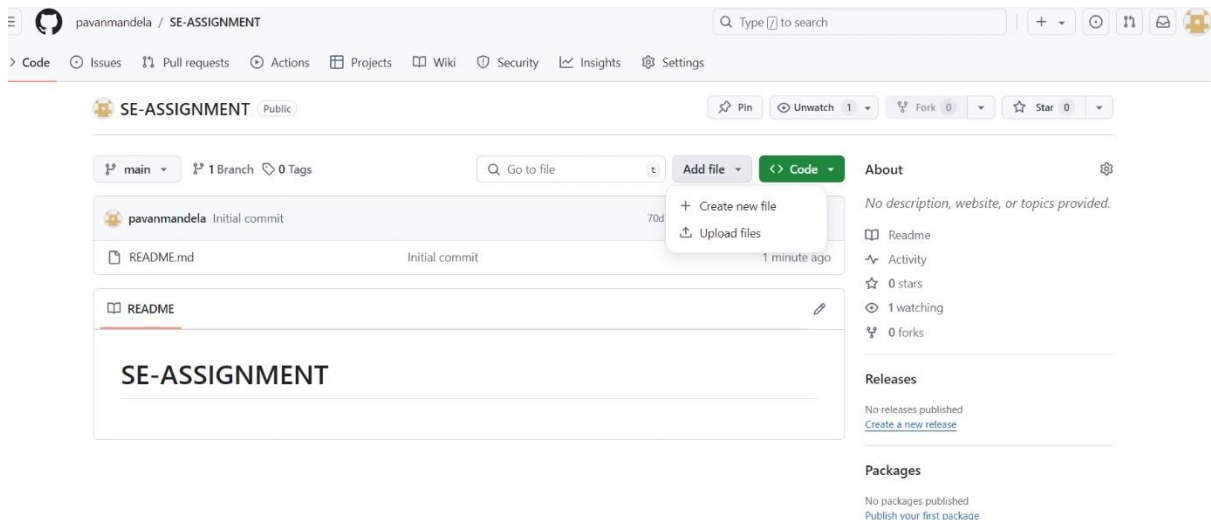
Step 5: Follow the steps mentioned in the Picture below and click "commit changes". Now you will see that all of our files uploaded in our github.
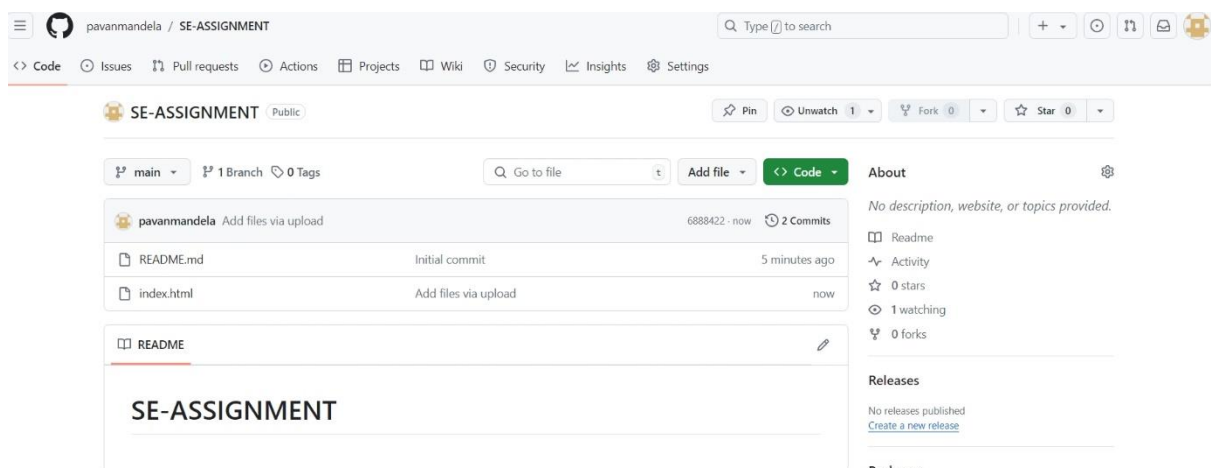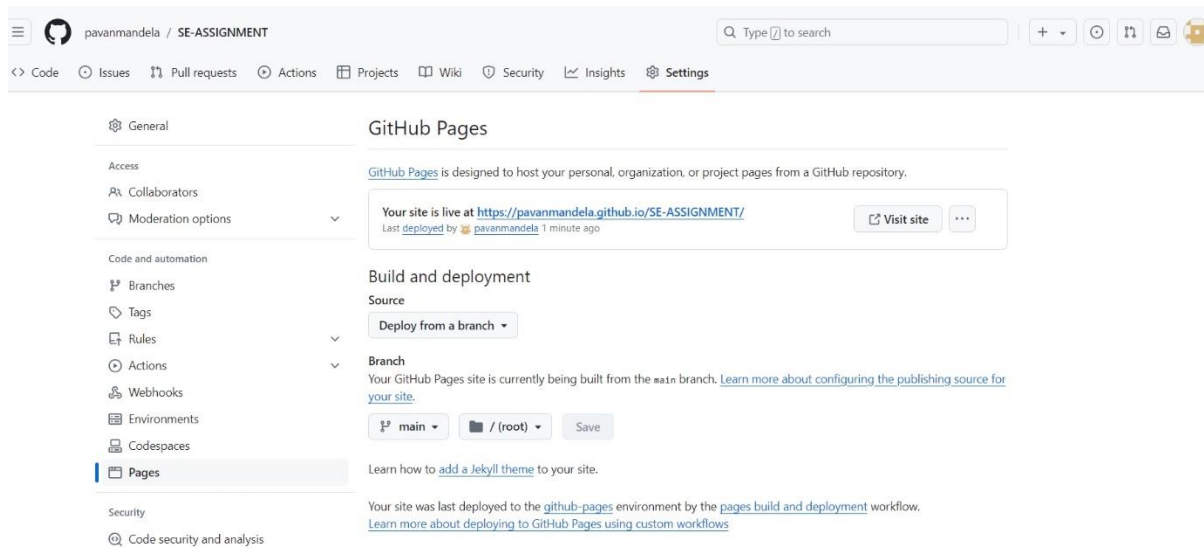

Hosting GitHub repository:

GitHub Pages are designed to host your personal, organization, or project pages from a GitHub repository. As we already have the repository, we only have to activate our pages.

Step 1: Go to **settings** and scroll down to github pages section. Change disable option to master branch option. Now github will do some behind the scenes work and going to publish the repository.
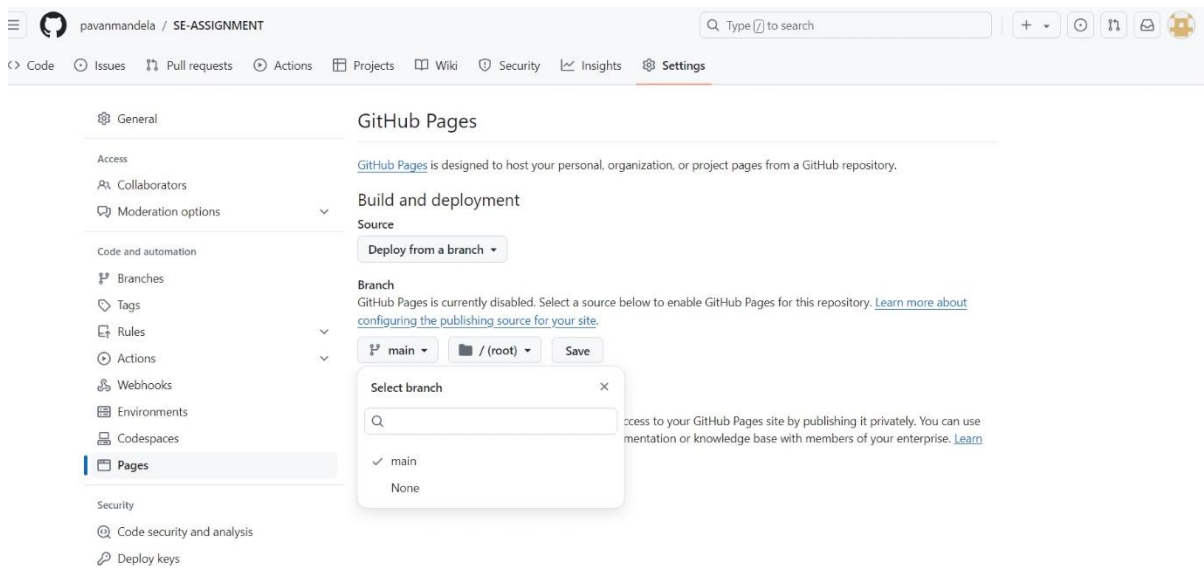
Step 2: Now we are done and our project can be accessed worldwide.

DEMO WEBPAGE LINK