

Experiment No. 10 MAD & PWA Lab

Aim:

To study and implement deployment of News-App PWA to GitHub Pages.

Theory:

GitHub Pages:-

GitHub Pages is a free hosting service provided by GitHub that allows developers to publish static websites directly from a GitHub repository. It supports HTML, CSS, JavaScript, and static files, making it ideal for hosting portfolios, documentation, and Progressive Web Apps. Developers can deploy their projects by simply pushing code to a specific branch, such as main or gh-pages. GitHub Pages also supports custom domains and HTTPS, ensuring secure and professional web hosting. It is widely used for quick and easy project deployment, especially for frontend and open-source projects.

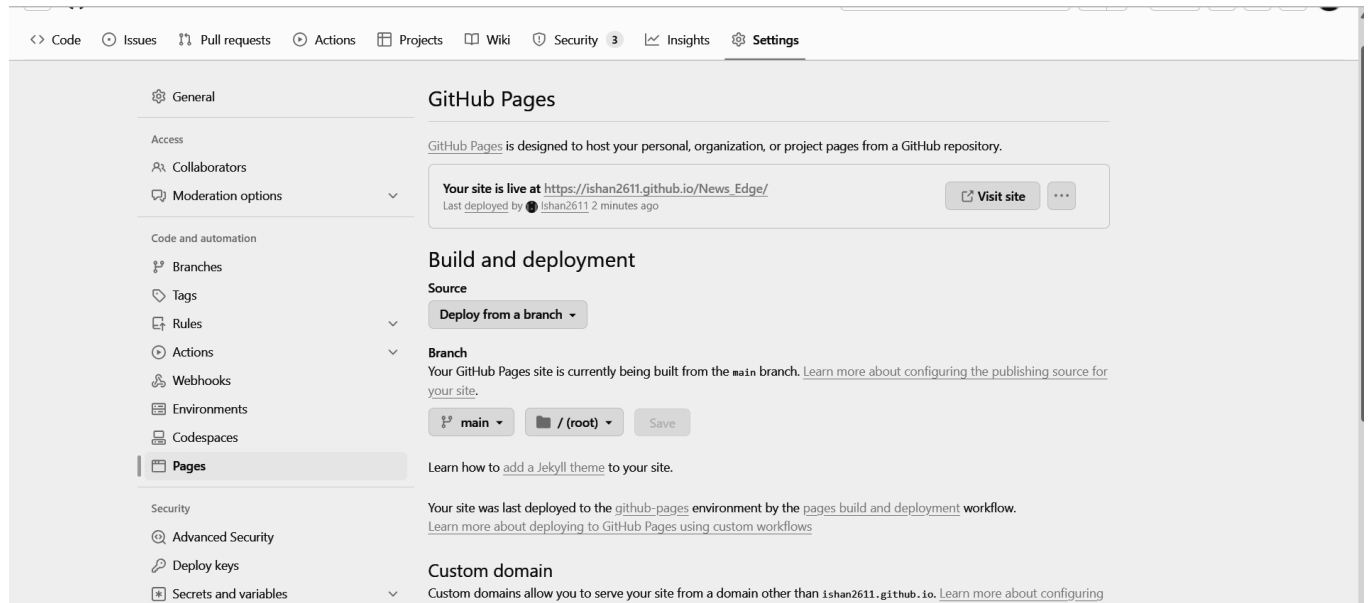
Firebase:-

Firebase is a platform developed by Google that provides a suite of cloud-based tools and services for building and managing web and mobile applications. It offers features like real-time databases, authentication, cloud storage, hosting, and analytics, all integrated into a single backend solution. Firebase simplifies app development by handling complex server-side tasks, allowing developers to focus on building great user experiences. Its real-time capabilities make it ideal for chat apps, live data updates, and collaborative tools. With easy integration and scalable infrastructure, Firebase is widely used for both small projects and large-scale production apps.

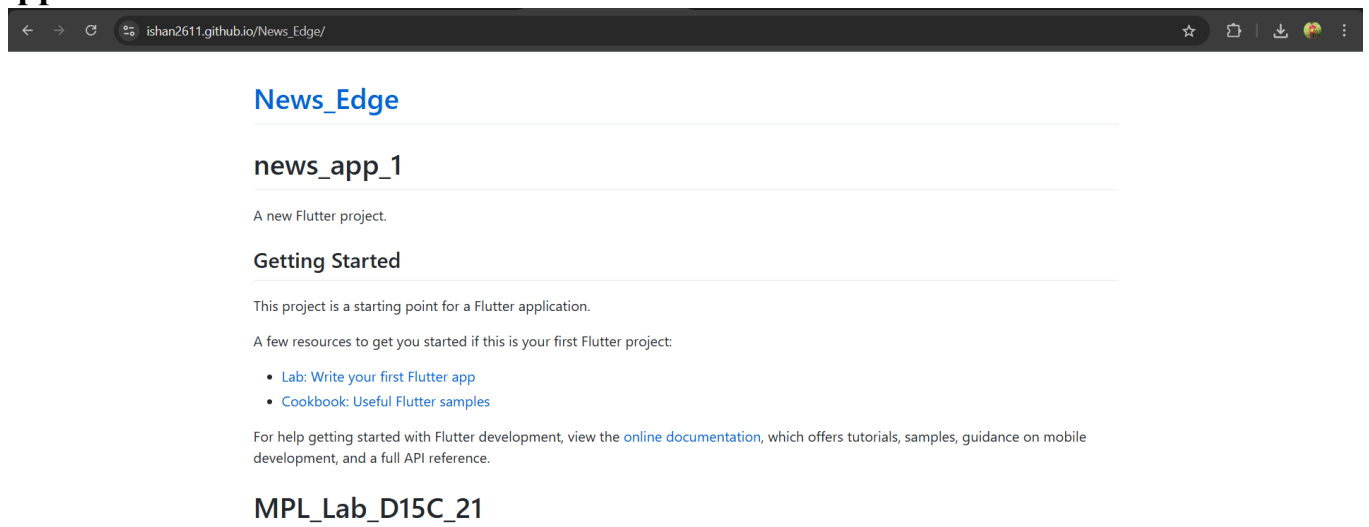
Link to GitHub repository:

https://github.com/Ishan2611/News_Edge

Github Screenshot:



App is hosted here.



Conclusion:-

In this experiment, we successfully studied and implemented the deployment of the News-App PWA using GitHub Pages. The process helped us understand how to host static websites directly from a GitHub repository in a simple and efficient manner. We learned how to configure the deployment branch and structure the project correctly for public access. This hands-on experience also highlighted the benefits of using GitHub Pages for showcasing and testing Progressive Web Apps. Overall, the experiment enhanced our knowledge of deployment techniques and reinforced the importance of version control and proper project organization.