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DOP:	DOS:
Sign:	Grade:

Experiment 10

Aim: To study and implement deployment of Ecommerce PWA to GitHub Pages.

Theory:

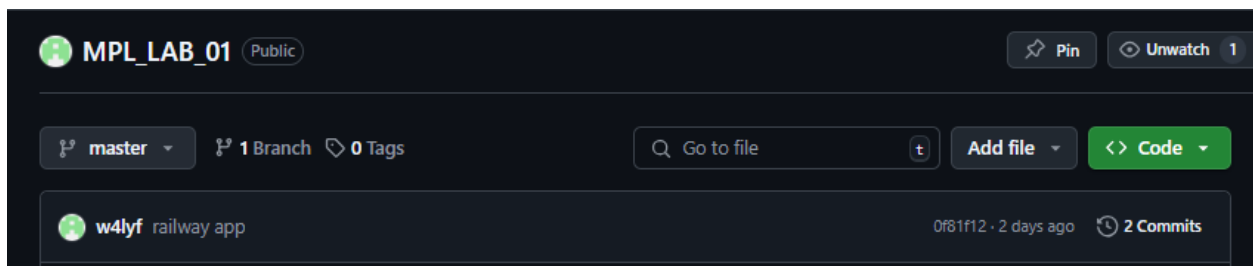
GitHub Pages is a free hosting platform by GitHub for static websites. It can serve HTML, CSS, JavaScript, and service worker files, making it a suitable option for deploying Progressive Web Apps (PWAs).

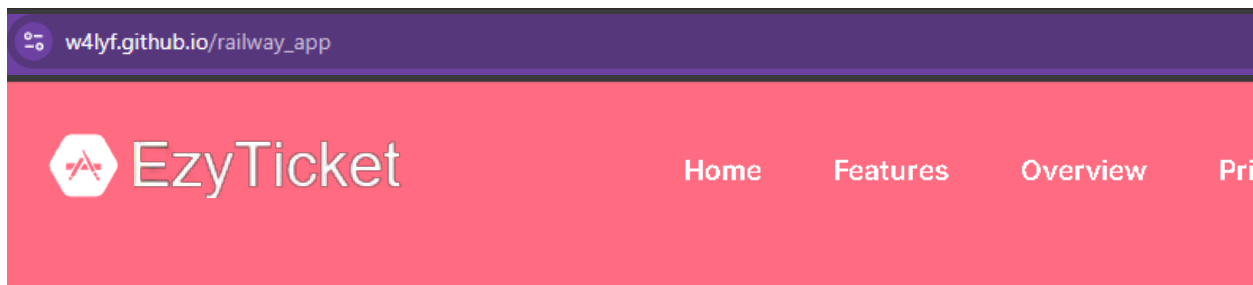
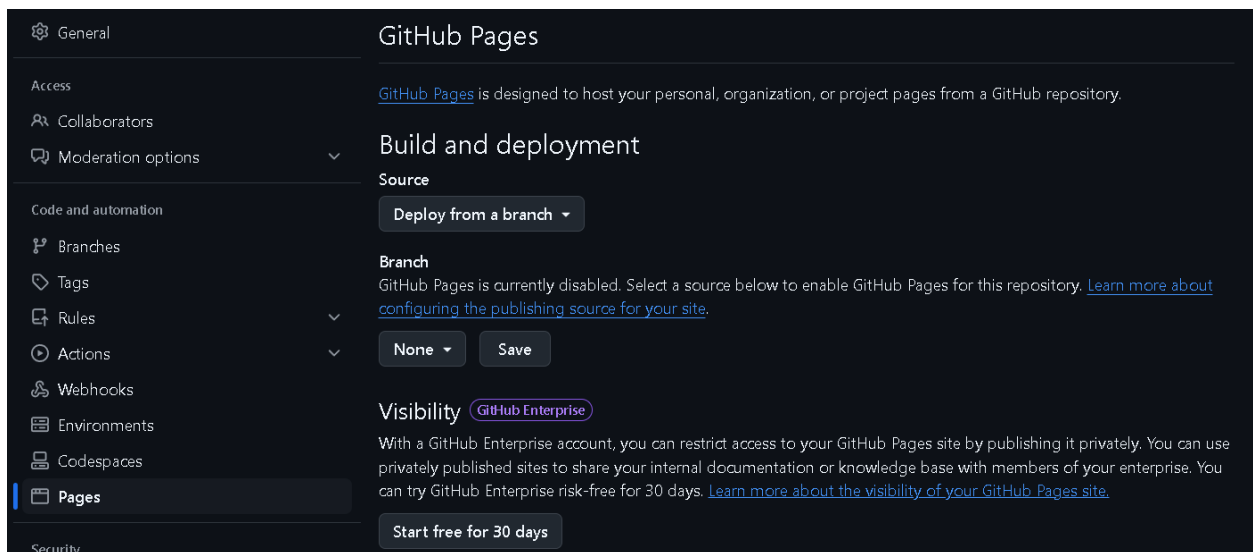
Deploying your PWA like railway app to GitHub Pages allows:

- Easy and quick sharing via a live URL.
- Hosting without any additional setup or cost.
- Support for offline features and "Add to Home Screen" via service workers and manifest file.
- Continuous updates through Git version control.

This helps you showcase and distribute your web app publicly with minimal effort.

Output:





Conclusion:

By deploying AppVilla as a Progressive Web App on GitHub Pages, we achieved a seamless and cost-effective way to make the application publicly accessible. This deployment not only ensures easy updates and version control through GitHub, but also enables core PWA features like offline access, faster loading, and the “Add to Home Screen” experience. Hosting on GitHub Pages simplifies the process of sharing and testing while providing a reliable platform to showcase the app's capabilities in real-world scenarios.