

Practical 10

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Aim:

To study and implement deployment of Netflix clone PWA to GitHub Pages.

Theory:

GitHub Pages is a free hosting service provided by GitHub to publish static websites directly from a GitHub repository. It supports HTML, CSS, JavaScript, and other front-end files, making it ideal for hosting PWAs.

What we implemented in our code

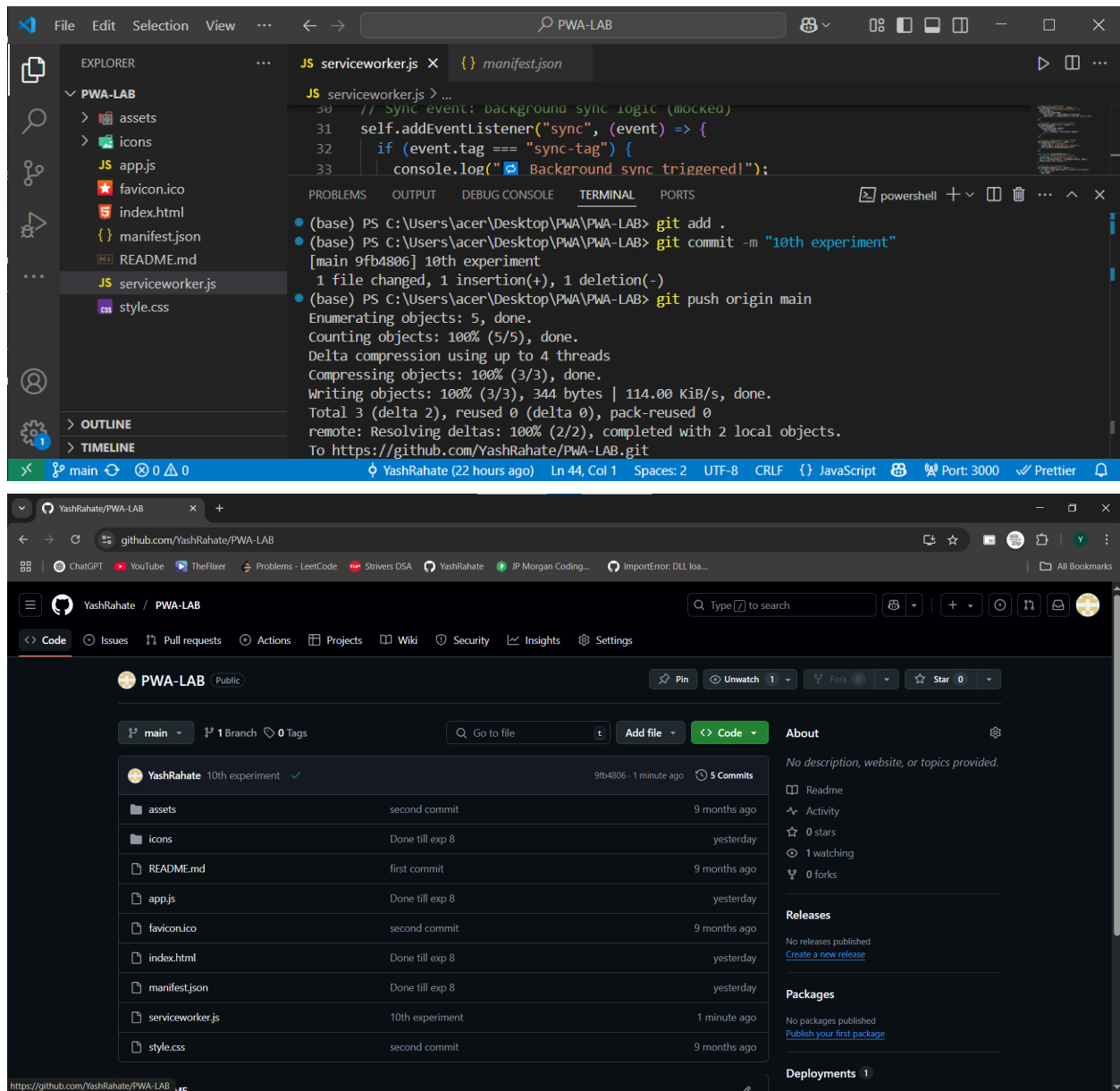
In this experiment, we deployed our Netflix clone PWA project, "Eco Friendly Gadgets Collection", to GitHub Pages using these steps:

- We ensured all necessary PWA files were in place, such as index.html, manifest.json, serviceworker.js, and offline assets.
- The index.html file used relative paths correctly so resources load properly after deployment.
- We registered the service worker to enable offline access and caching of essential files.
- The manifest.json provided metadata to support "Add to Home Screen" functionality.
- We created a GitHub repository and pushed all project files to it.
- Then, from GitHub Settings → Pages, we selected the main branch and the / (root) folder as the source.
- After saving, GitHub generated a live link through which we accessed the deployed PWA.

This deployment made our PWA fully functional and accessible online with service worker support, offline capabilities, and installability features.

Screenshots:

Creation of new repository in public settings.



The image consists of two screenshots. The top screenshot shows the GitHub Pages settings for the repository 'YashRahate/PWA-LAB'. The 'General' tab is selected, showing the site is live at <https://yashrahate.github.io/PWA-LAB/>. The 'Build and deployment' section shows the site is built from the 'main' branch. The bottom screenshot shows the deployed website, which is a Netflix clone. It features a dark background with movie posters and the text 'Yash Rahate Netflix'. A modal window titled 'Install app' is open, showing the app 'Netflix India Clone' by 'yashrahate.github.io' with 'Install' and 'Cancel' buttons. The website also has a sign-in button and a 'Get Started >' button.

GitHub Pages settings for YashRahate/PWA-LAB. The site is live at <https://yashrahate.github.io/PWA-LAB/>. The build and deployment workflow is configured to deploy from the main branch.

Yash Rahate Netflix

Watch anywhere. Cancel anytime.

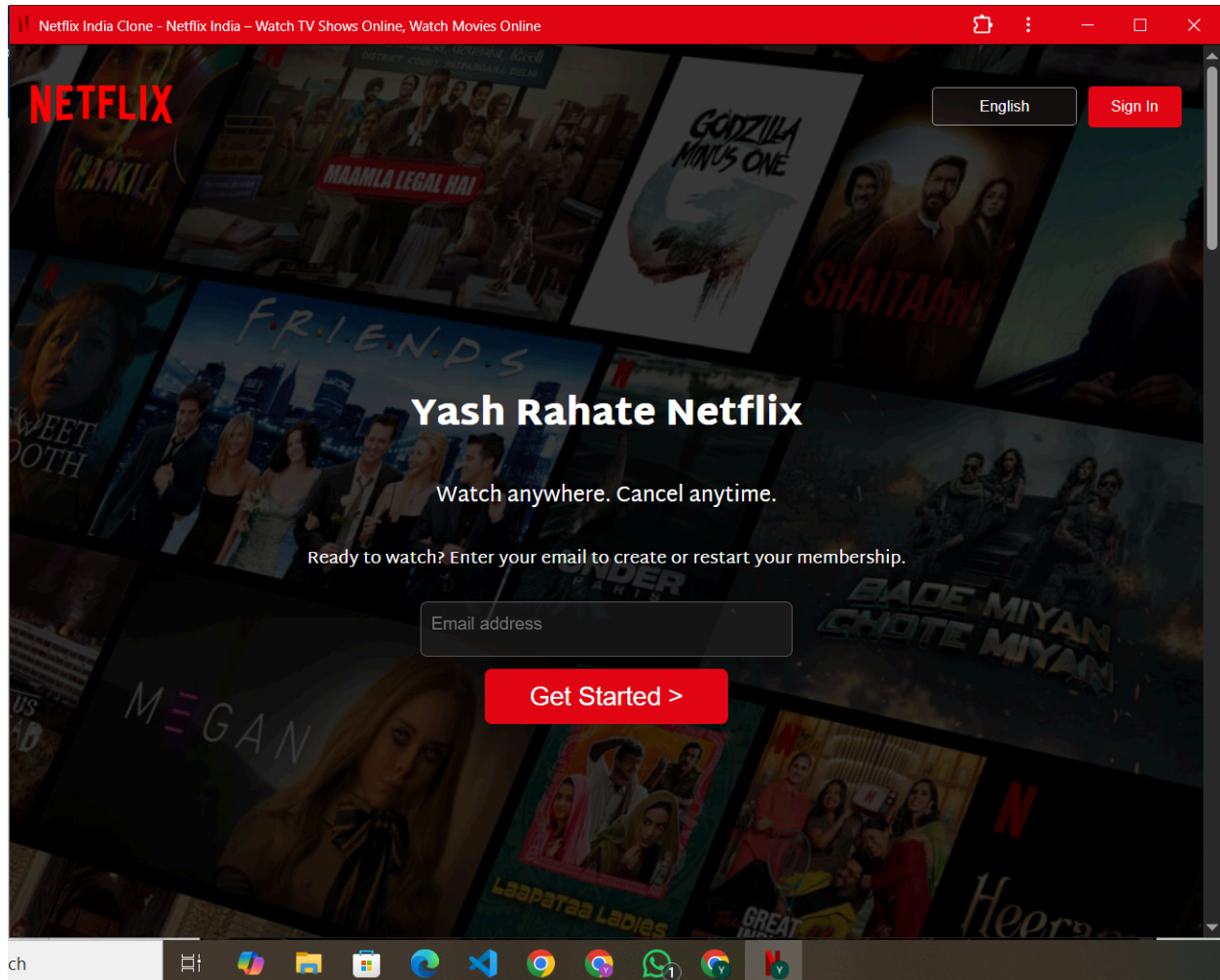
Ready to watch? Enter your email to create or restart your membership.

Email address [Get Started >](#)

Install app

Netflix India Clone
yashrahate.github.io

[Install](#) [Cancel](#)



The system is available for downloading from the link

Conclusion:

In this experiment, we deployed the website PWA on the internet with the help of git pages. We took proper care of manifest.json file and serviceworker.js file. A link was generated by Git Pages. It took a lot of time for the link to be generated, but after the link creation, the website was visible and working.