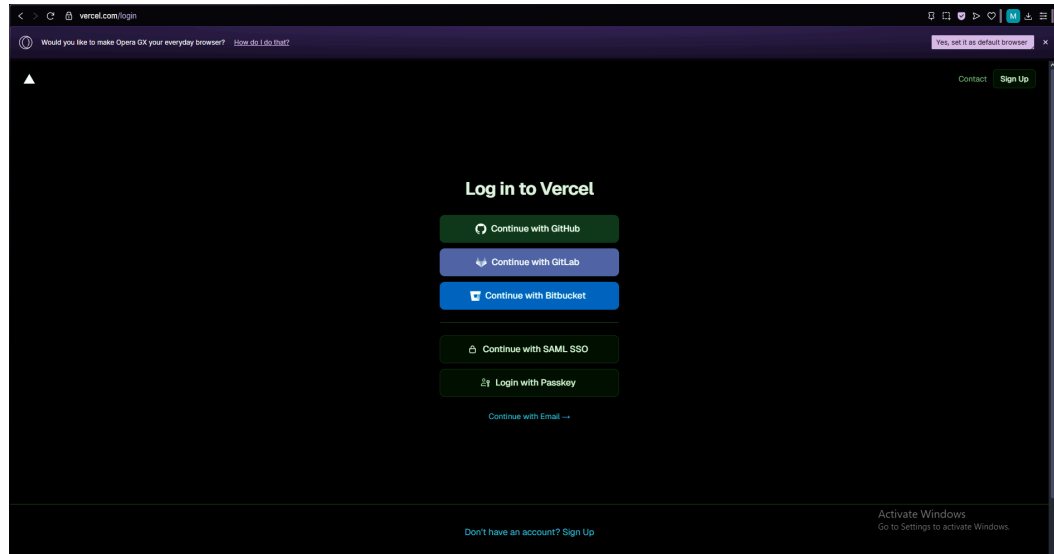
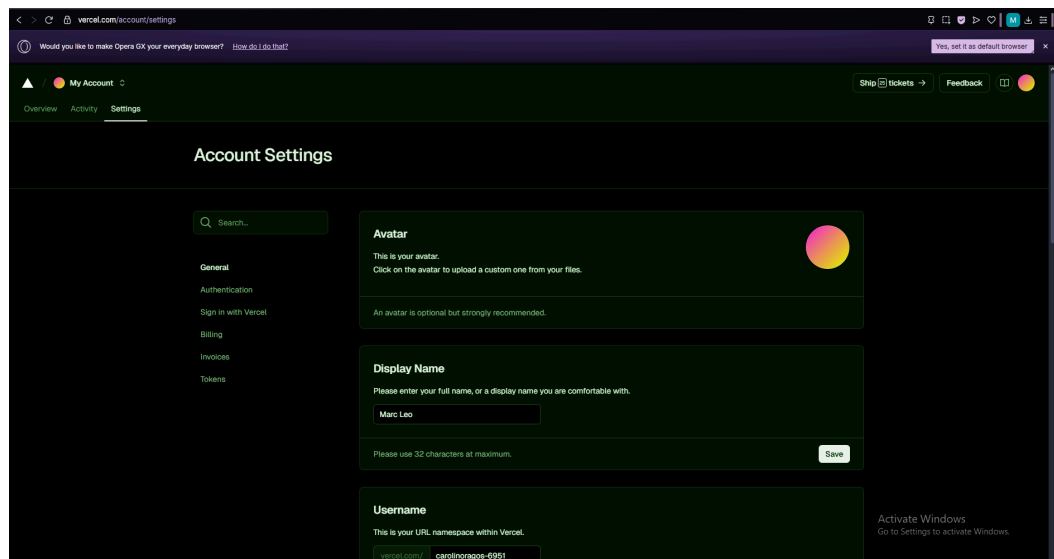


A. Set Up Hosting Environment

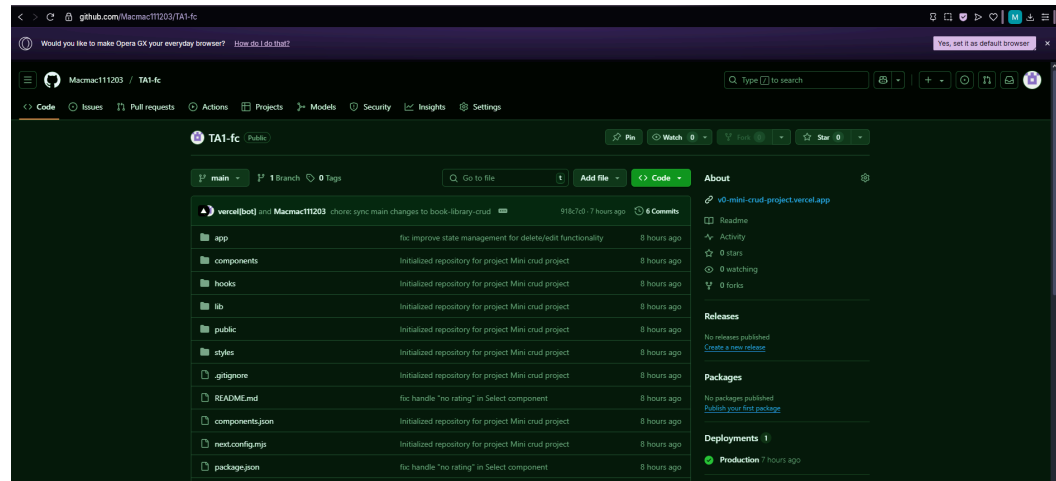
- Vercel



- Created Versel Account

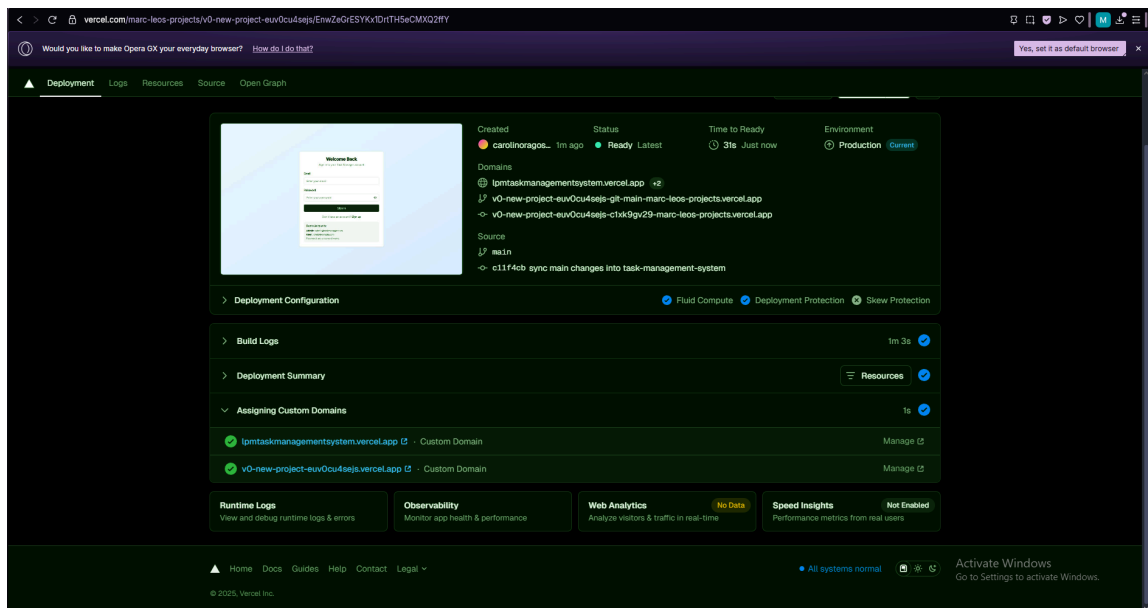


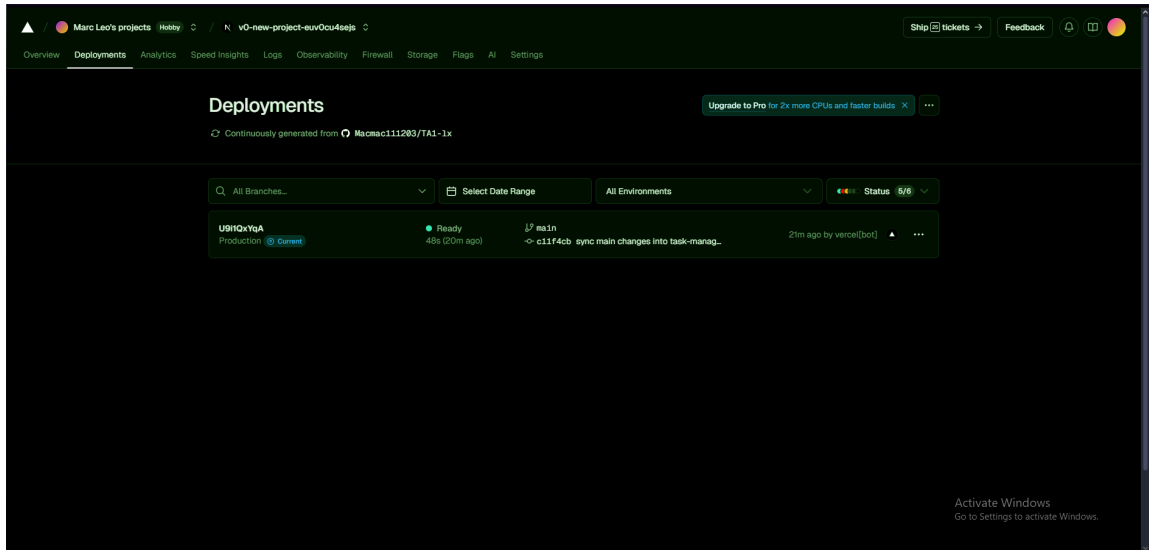
- Project Repository in Github



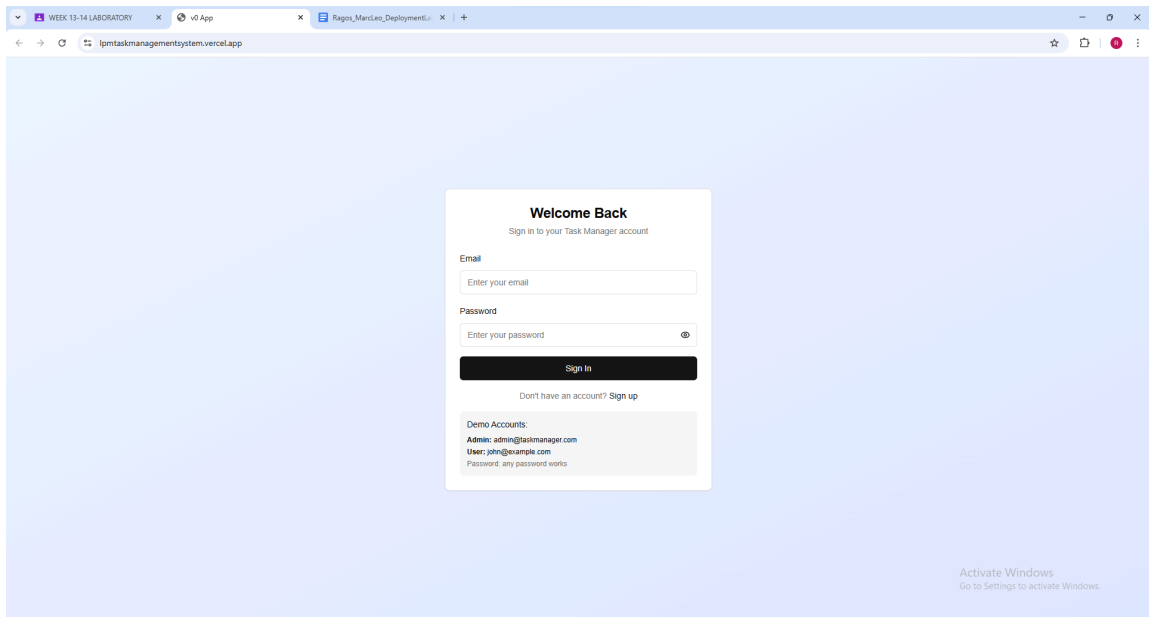
B. Deployment the Application TA1

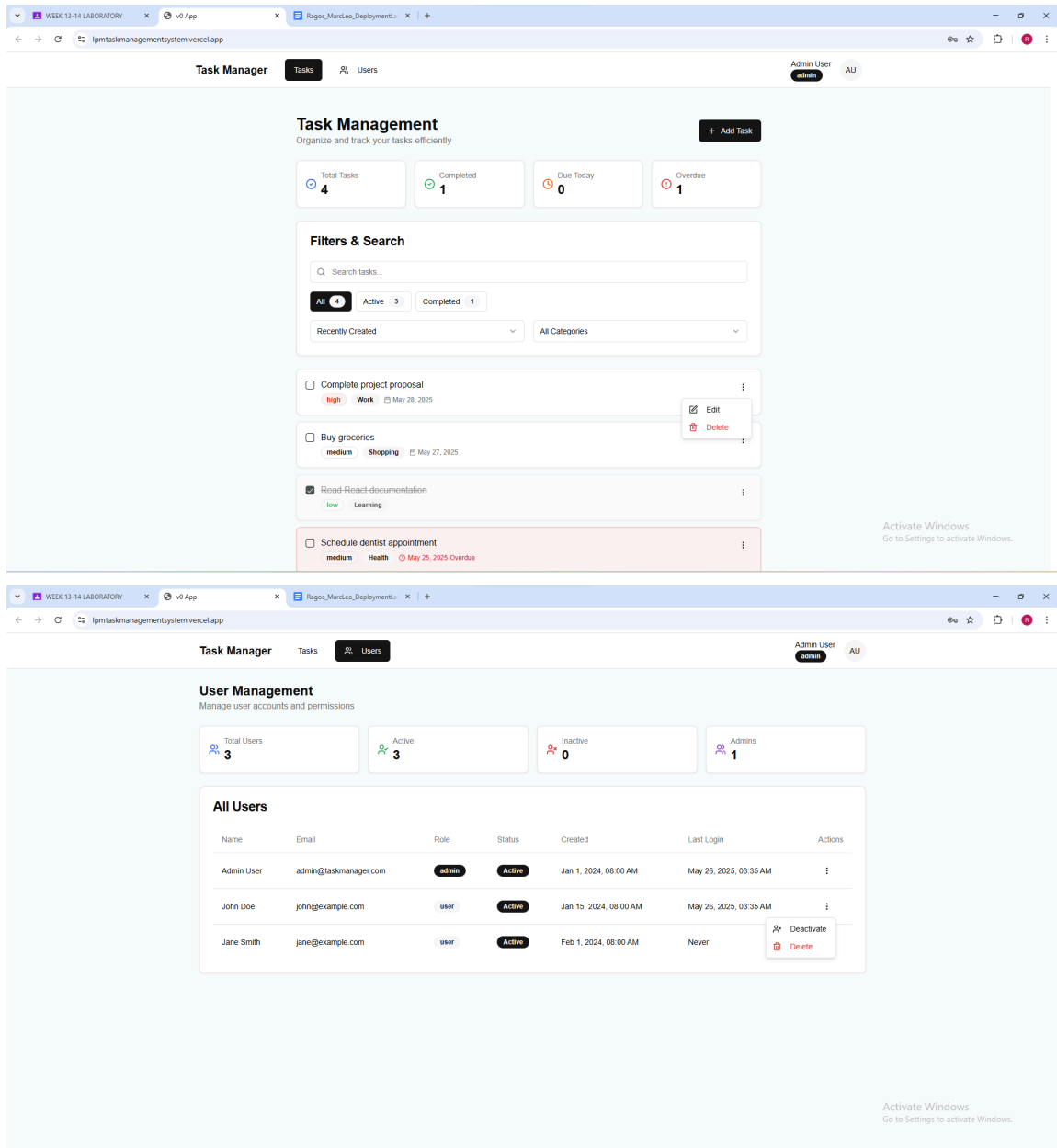
- Deployed the web app to the Vercel hosting platform





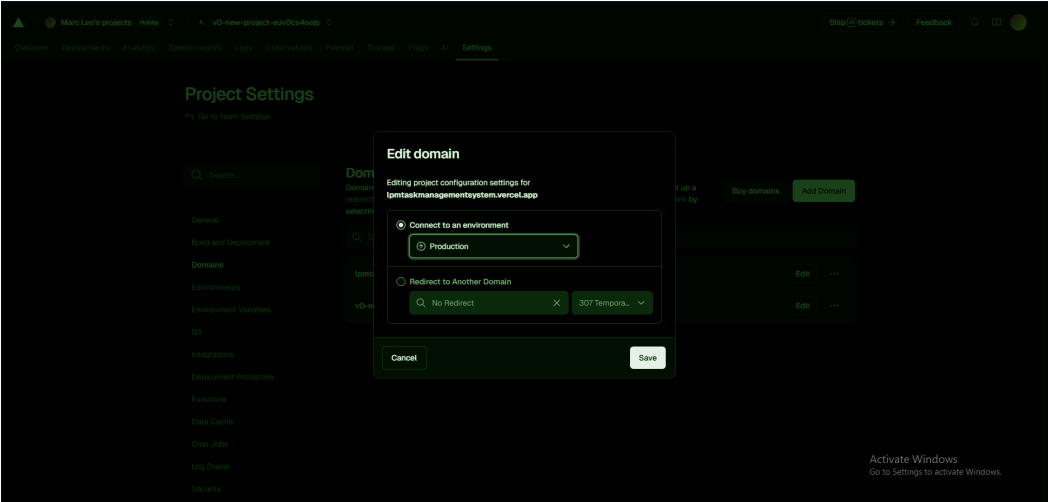
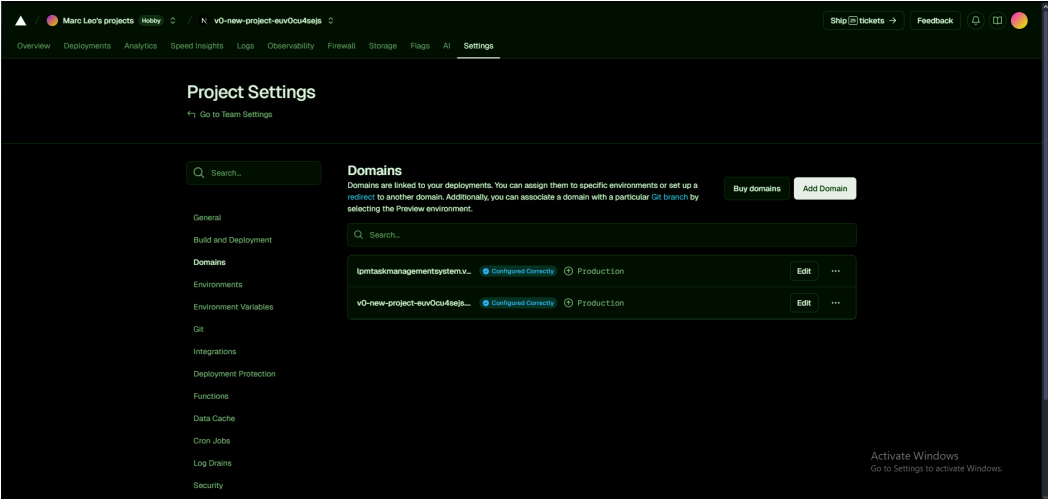
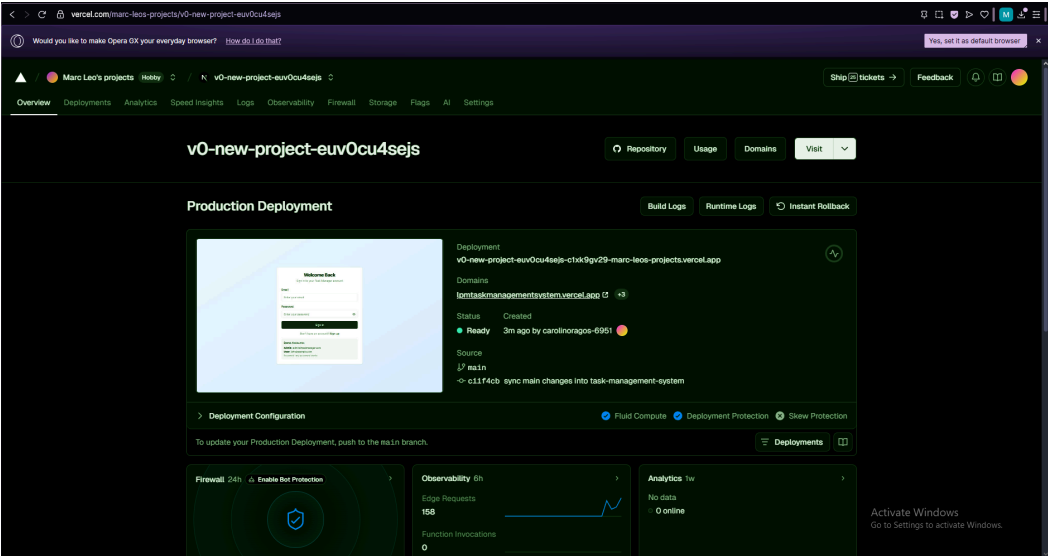
- Live at Vercel Environment



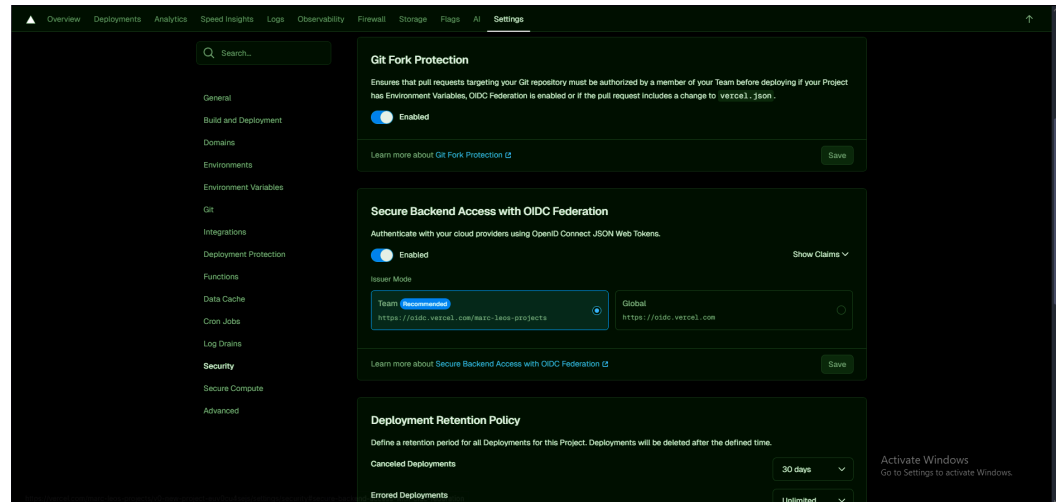


C. Configure Domain & SSL

- Custom Domain

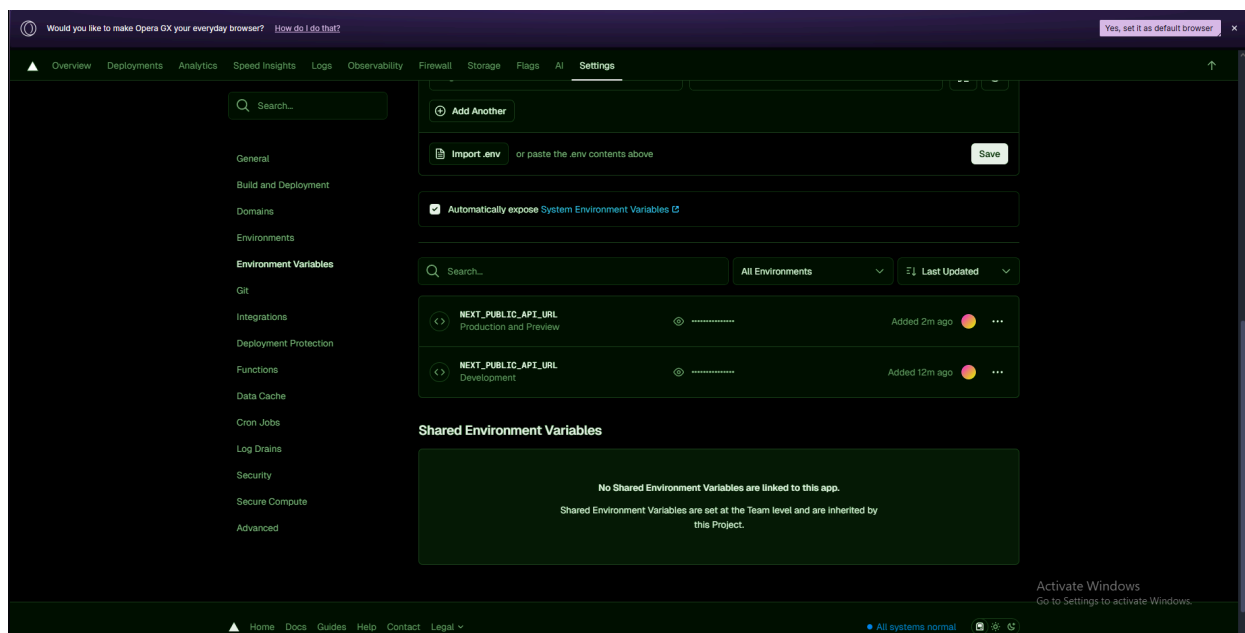


- Enabled HTTPS

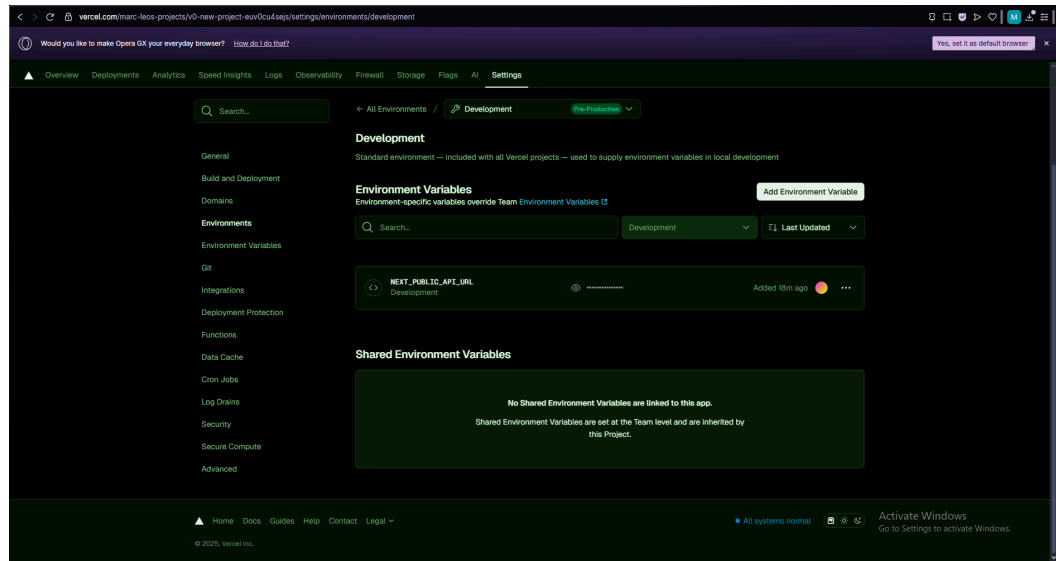


D. Implement Environment Variables

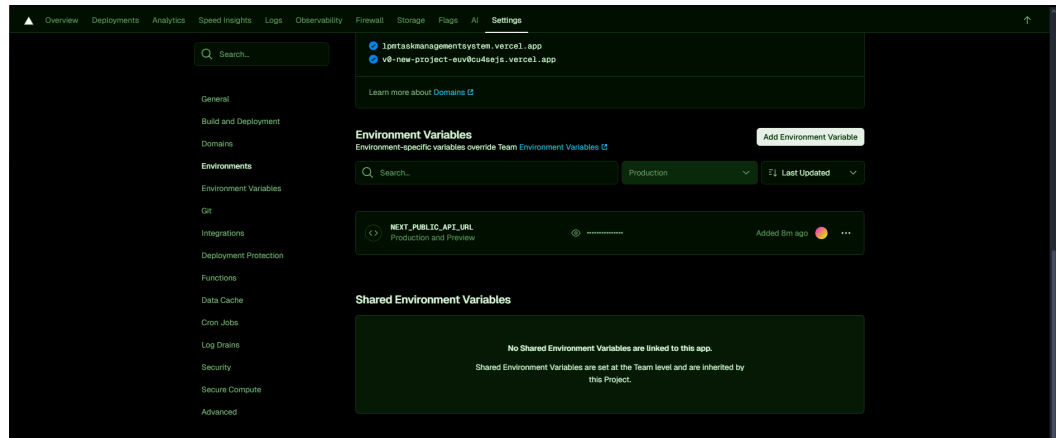
- Different Configuration (Preview, Production, & Development)



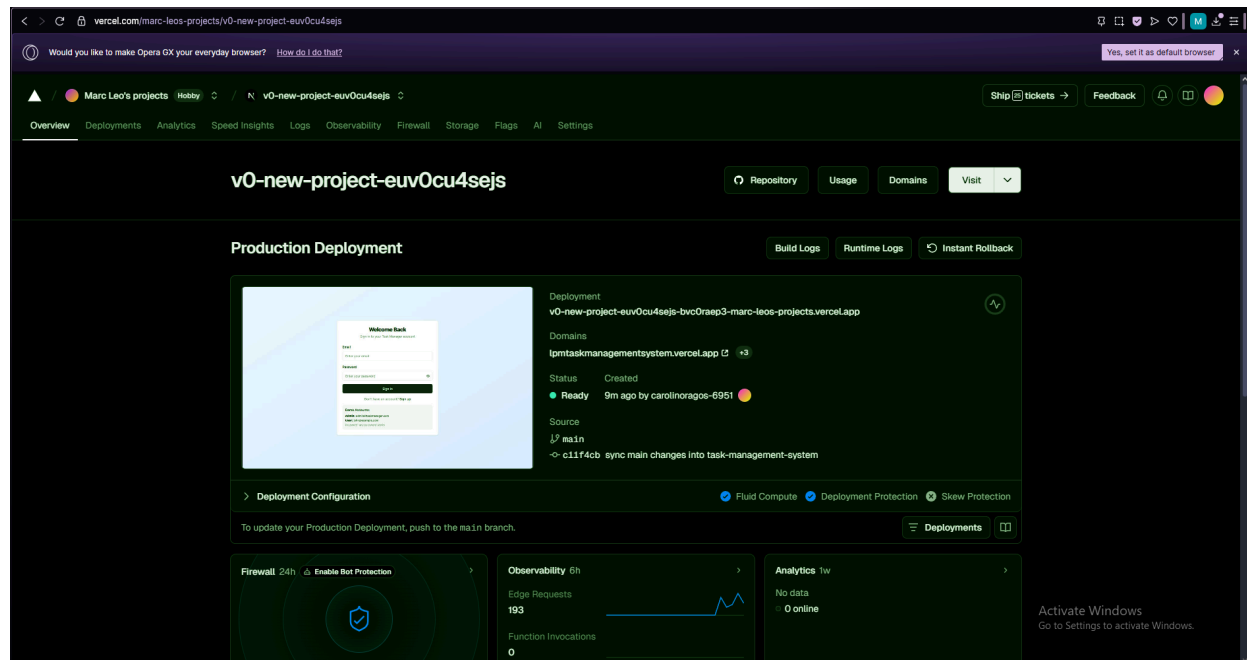
- Development



- Production



Production Deployment



Challenge Faced and How they were resolved

1. Environment Variable Configuration

- Challenge: Initially confused about how to correctly set environment variables in Vercel. The deployment failed because `process.env.NEXT_PUBLIC_API_URL` returned undefined in production.
- Resolution: Learned that environment variables must be manually set in Vercel under Project → Settings → Environment Variables. Made sure to define the correct key (`NEXT_PUBLIC_API_URL`) and re-deployed the app.

2. Incorrect Github Repository Linking

- Challenge: Accidentally linked the wrong repository in Vercel, which resulted in deploying an unrelated project.

- Resolution: Removed the incorrect project from the Vercel dashboard, reconnected the correct GitHub repo, and re-deployed.

3. Live App not Reflecting Changes

- Challenge: After pushing changes to GitHub, the live app didn't reflect the updates.
- Resolution: Manually triggered a redeploy in Vercel. Also enabled auto-deploy for future commits to the main branch.