Web Application Deployment Using Render

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RENDER:

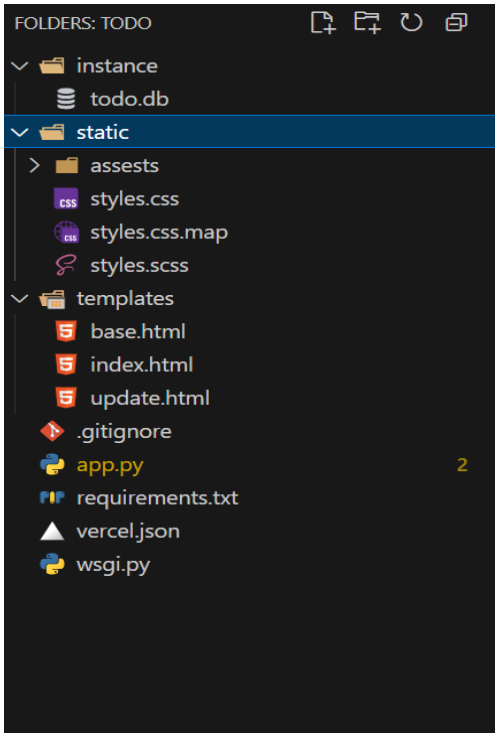
Render is a cloud hosting platform that lets developers easily deploy full-stack applications, including Python, Flask, FastAPI, Node.js, and static websites. It provides a free tier that is perfect for students, beginners, and portfolio projects.

Apps can be deployed directly from GitHub, and Render automatically builds, runs, and hosts them on a public URL. Unlike Streamlit Cloud (which is only for Streamlit apps), Render supports backend apps and databases, making it suitable for more complex projects and APIs.

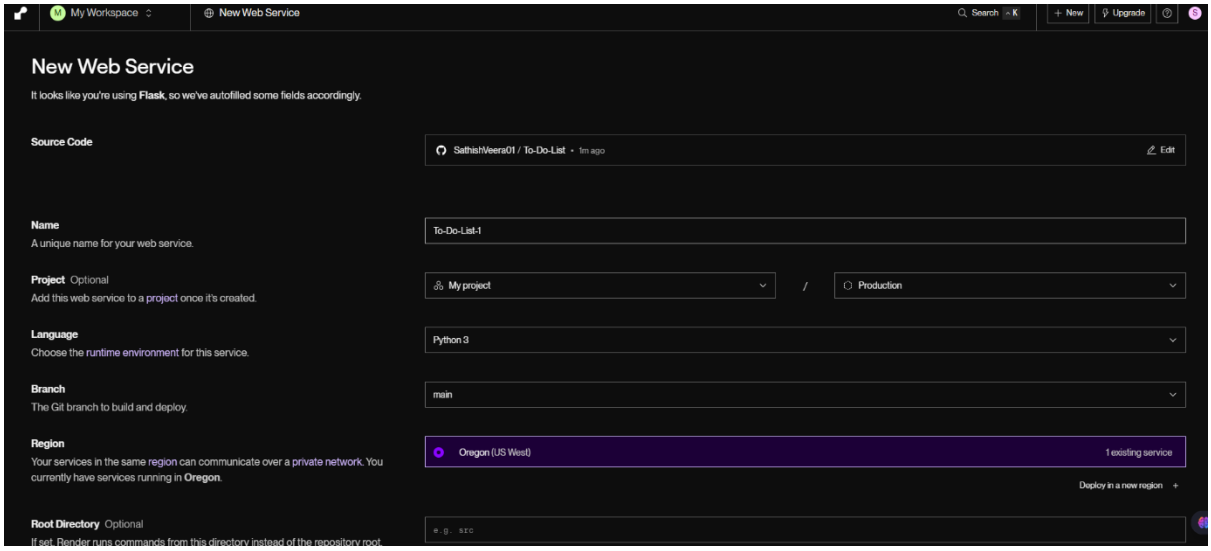
The free tier offers limited resources, but it's ideal for small apps, learning, experimentation, and showcasing web development skills without managing servers manually.

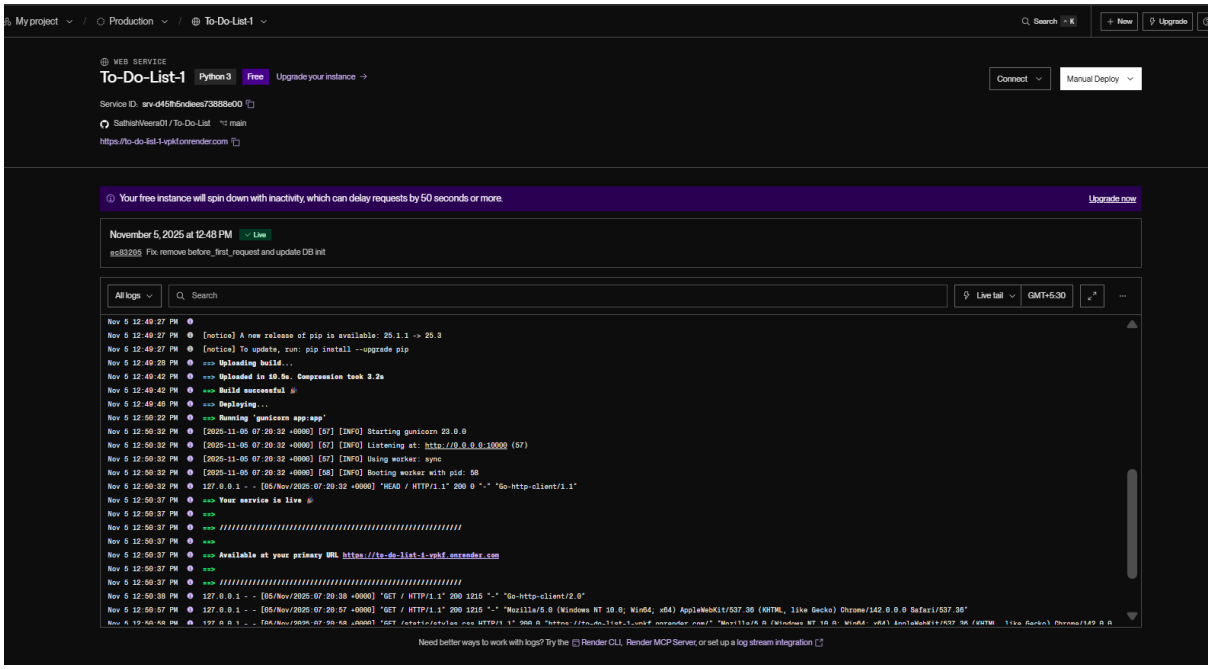
I used RENDER to deploy my simple to-do-list flask application, which I directly imported from my Github repository.

PROJECT STRUCTURE:

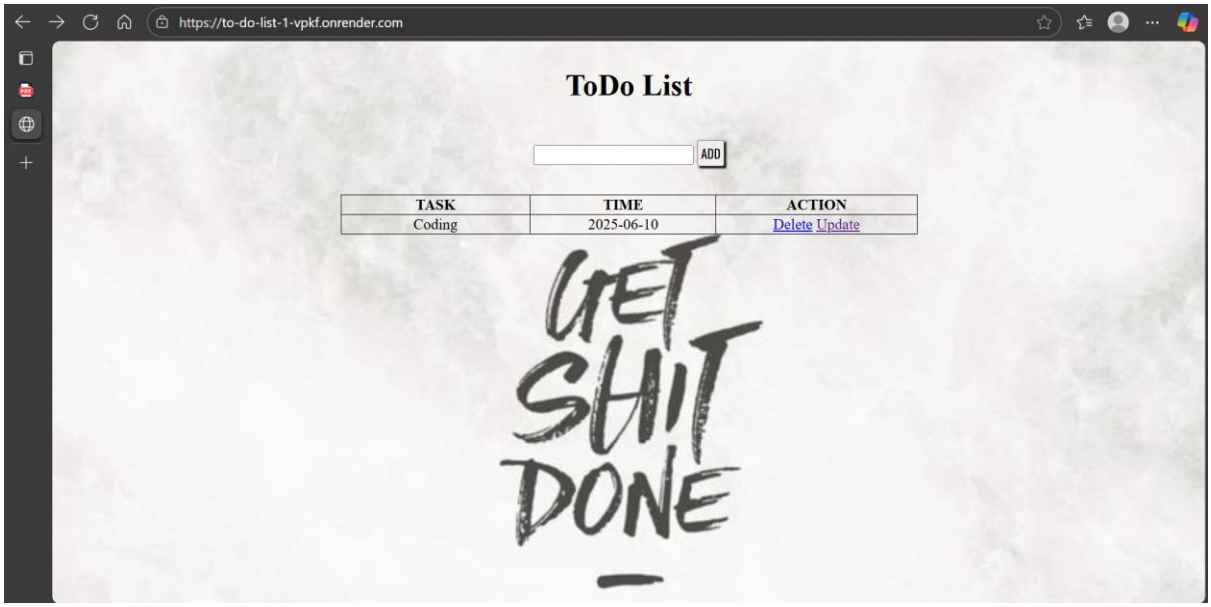


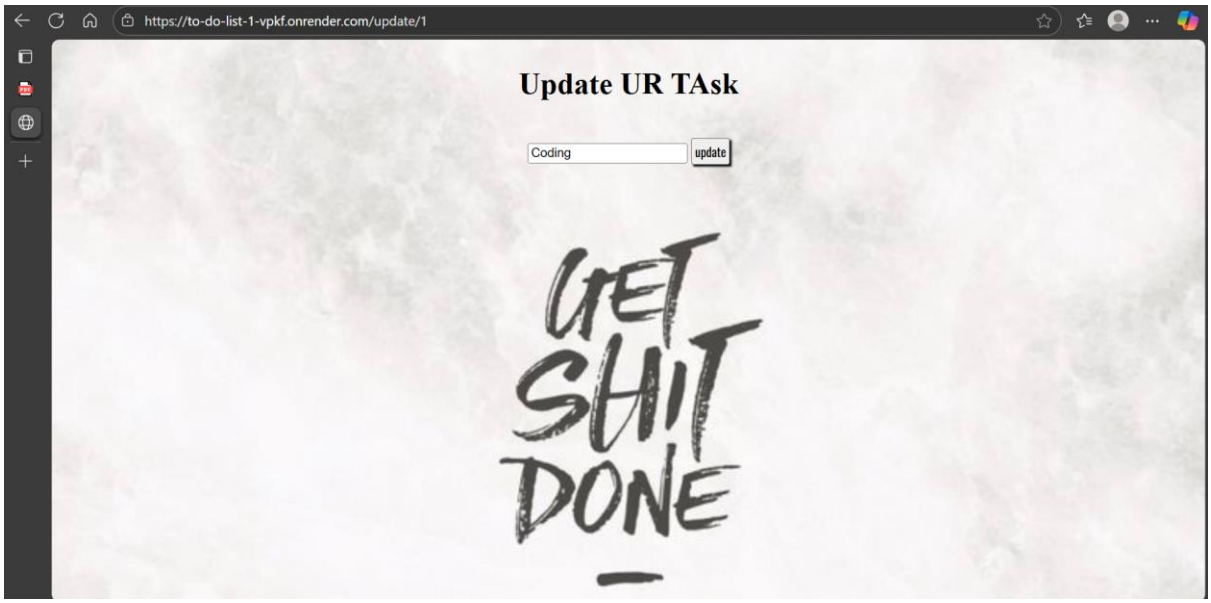
DEPLOYMENT STEPS:





FINAL DEPLOYMENT:





HOSTED WEB APP LINK: https://to-do-list-1-vpkf.onrender.com