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Flask Application Deployment Report

This project showcases the deployment of a basic web application built with Python and the Flask framework. The application returns a simple greeting when accessed through a web browser. Development took place in the PyCharm IDE, with Git used for version control and GitHub for repository hosting. The application was deployed to the cloud using Render.com, a user-friendly platform that allows free deployment of full-stack applications.

(CLOUD REQUIRED BILLING)

**Deployment Process & Configuration**

* **Development Tools:** Python, Flask, Gunicorn, PyCharm, Git
* **Repository:** GitHub – flask-on-render
* **Deployment Platform:** Render (Web Service → Free Tier)

**Key Files:**

* main.py – Python Flask application
* requirements.txt – Lists Flask and Gunicorn
* render.yaml – Config file for automated deployment on Render

**Steps Followed:**

1. Created and tested the Flask app locally in PyCharm
2. Initialized Git and pushed the code to a new GitHub repository
3. Connected GitHub to Render and created a new Web Service
4. Configured Render settings

**. Lessons Learned**

* How to configure Flask for local and cloud environments

https://flask-on-render-eqrl.onrender.comS

