Website Backend Development & Deployment Plan

Company Name: InfoTech

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# Project Overview:

The frontend development of the company website has been completed. The next phase is to build and deploy the backend using Python-based frameworks.

# Backend Framework:

You may choose any of the following Python frameworks for backend development, depending on project requirements:

- Django (recommended for large-scale applications with built-in admin and ORM)

- Flask (recommended for lightweight or microservices-based applications)

- FastAPI (for high-performance APIs with automatic documentation)

# Backend Development Goals:

1. Build APIs for frontend interaction (REST or GraphQL).

2. Implement user authentication and authorization.

3. Connect the backend to a database (e.g., PostgreSQL, MySQL, SQLite).

4. Setup file handling if required (uploads/downloads).

5. Ensure data validation and error handling.

# Deployment Plan:

Deploy the backend using any of the following platforms:

- Render (Recommended for free deployment with auto-deploy from GitHub)

- Railway (Simple to deploy Docker or Python apps)

- Heroku (Legacy free tier available with verified accounts)

- PythonAnywhere (Good for basic Flask/Django apps)

# Submission Checklist:

✔ Backend code hosted on GitHub with proper README

✔ Live deployment link

✔ API documentation (Postman or Swagger)

✔ Screenshots or video demo of backend in action