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Cloud Computing - Assignment 2

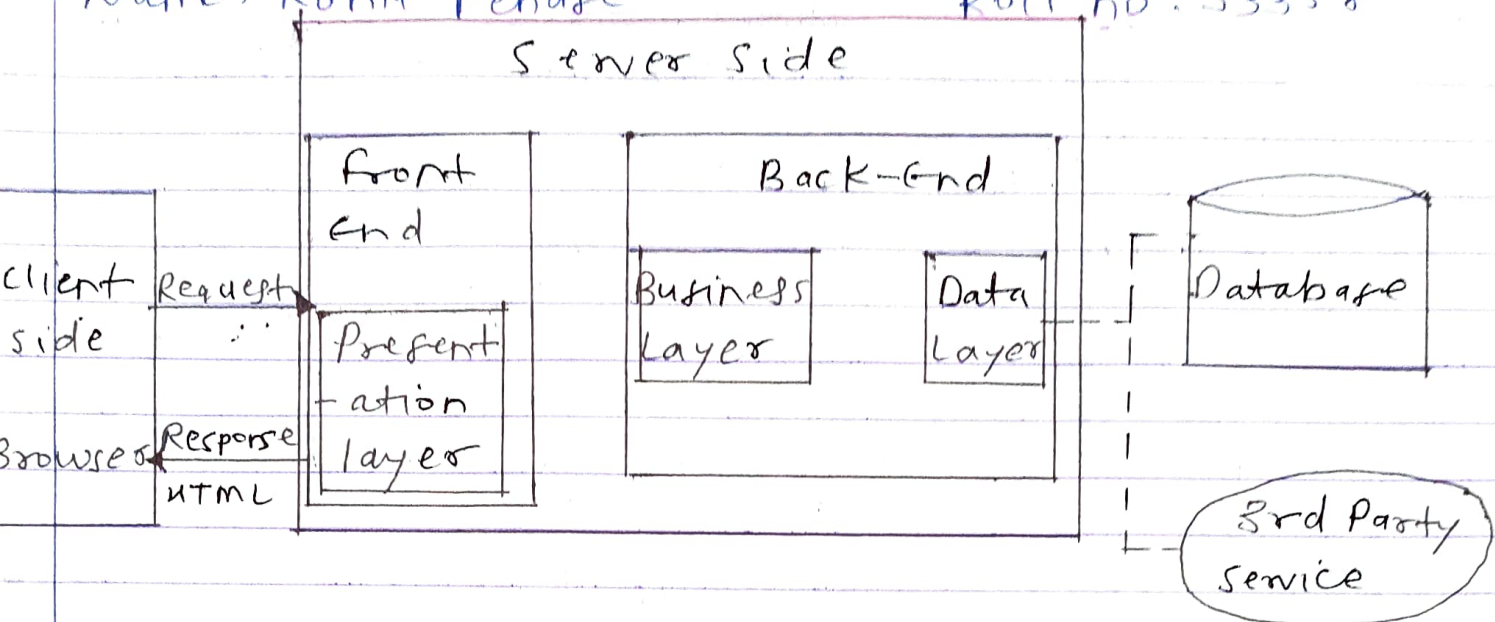
Aim: Use GAE launcher to launch the web application.

Theory:

1. Mention structure of GAE applications with their tile structure & description.
- ① Each version of your app engine service is defined in app.yaml tile
- ② For similar apps, the minimum requirement for deployment is to define app.yaml tile
- ③ If you are deploying several versions of a service, you can create multiple yaml tiles in same directory to represent configuration for each versions.
- ④ For each service, you can create separate directories in root of your app when deploying locally.
- ⑤ Each directory/repository should represent a single service & contain that service's app.yaml tile alongwith associated source code.
- ⑥ The other configuration tiles should reside in the rest root directory of default service of your app.
- ⑦ Our project directory includes app.yaml, index.html, main.py, result.html

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2. What are the main components of web application?
→ All web-based applications have three primary components: A web browser, a web-application server and a database server.

- ① Web-based applications rely only on database server which provides data for application.
- ② Database sometimes provides data for application with business logic in the form of stored procedure.
- ③ The clients handle presentation logic which controls the way with which users interact with the application.
- ④ In some cases, the client validates user-provided inputs.

In terms of layers, they can be categorized as:

- ① view layer: It gives an interface to the application. It is a bridge for getting data in and out of the application.
- ② Data access layer: This layer is built to keep code you use to put data from the database.

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(iii) Data Access Layer: This layer is built to keep the code you use to put the data from your database

(iv) Error handling, security, logging: It is vital part of any application & user experience. It can leave your users feel informed and properly considered

3. What is procedure to develop a simple web app?

- ① Define the problem
- ② Plan the workflow of your web application
- ③ Wireframe your web application
- ④ Receive validation
- ⑤ Choose tech-stack to be used in the app.
- ⑥ Start building the application based on design
- ⑦ Test app after regular intervals.
- ⑧ Host & deploy your web application