Digital Notice Board

GROUP 19

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Problem Statement

Traditional notice boards require a lot of effort for management and the users.
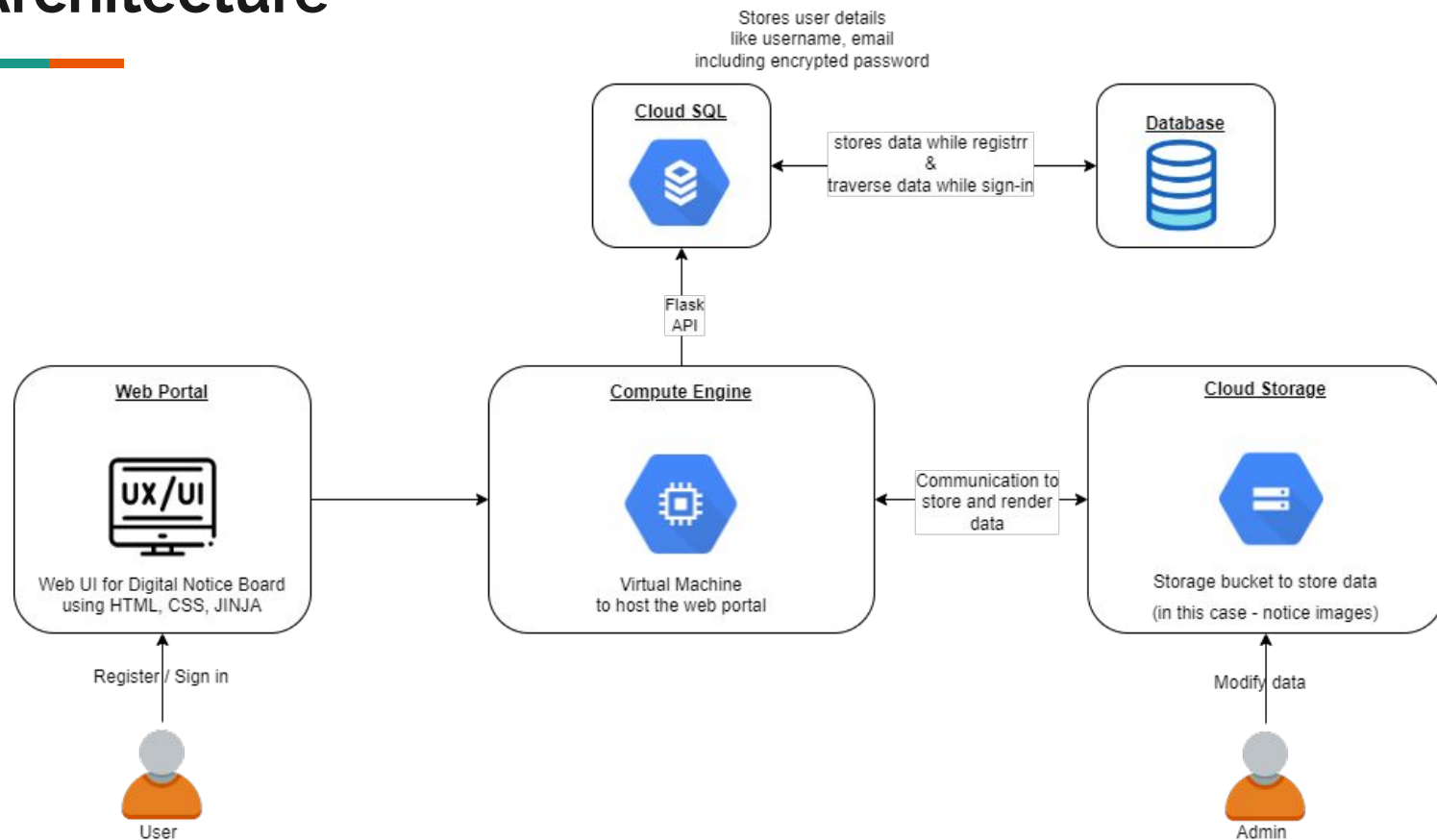
Problem inspired from -

In UTA, there are many notice boards which contain department wise notices. In order to be updated with all the notices, a student need to walk to all the notice boards.

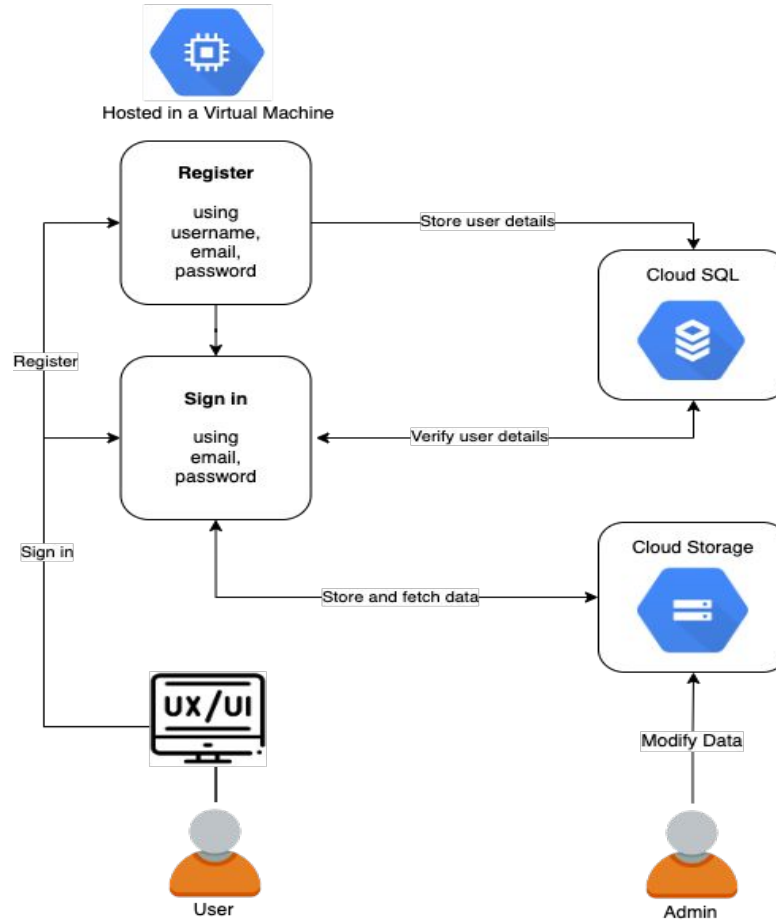A digital notice board solves this problem.

Architecture

Architecture for Digital Notice Board

Cloud SQL
Stores user details like username, email including encrypted password

stores data while registrr & traverse data while sign-in

Database

Flask API

Web Portal
Web UI for Digital Notice Board using HTML, CSS, JINJA

Compute Engine
Virtual Machine to host the web portal

Communication to store and render data

Cloud Storage
Storage bucket to store data (in this case - notice images)

Register / Sign in

User

Modify data

Admin

Workflow

Future Scope

- **Add a "Report" feature** to provide users with the ability to report bad posts

- **Automatically detect expiry date for a notice** in the image using text analysis machine learning technique and **archive the expired notices from the portal**

- Provide an interface to **sort notices** by date posted or expiry date

THANK YOU