UNIVERSIDAD DISTRITAL

Project: Construction of a functional Web platform

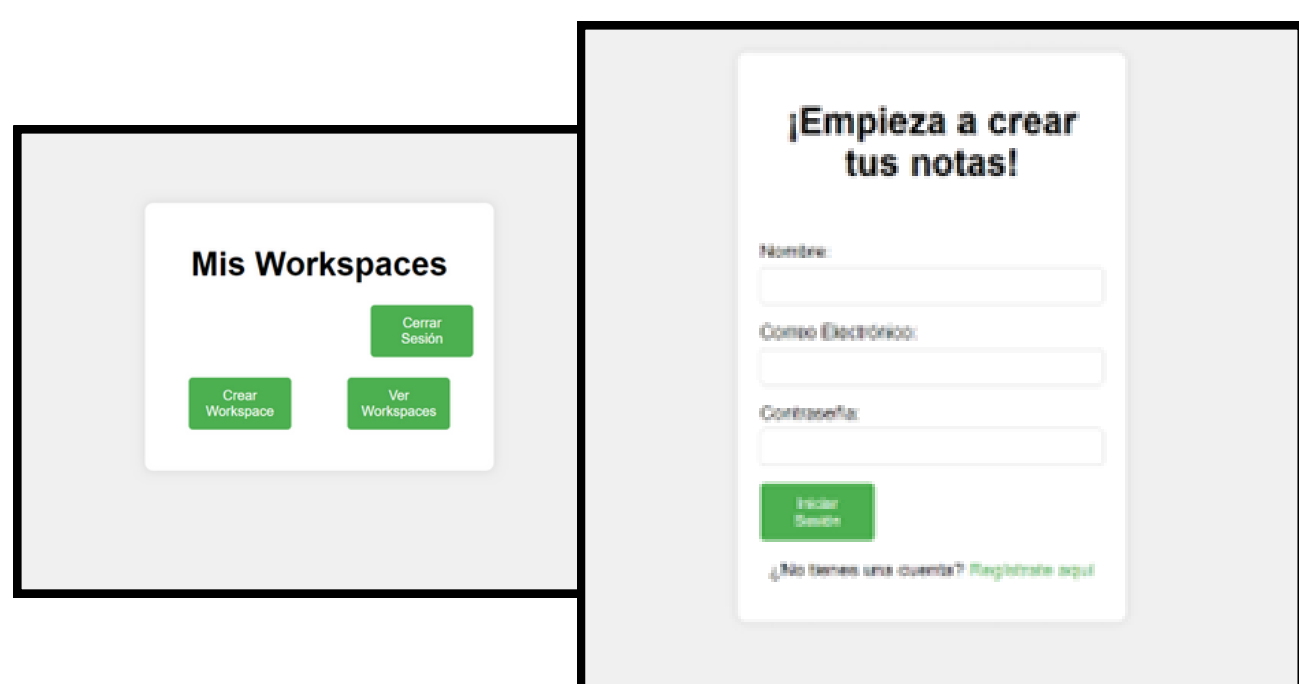Authors: Juan David Zárate M., Ángel Díaz.

INTRODUCTION

This project delves into the development of a web platform, it is based on the creation of work spaces where several people have the possibility of sharing their notes, whether for educational, personal or other purposes. In this poster we seek to briefly show what the process was like to develop said website.

OBJECTIVES

- Build an architecture in a monolith, that is, the project will be housed in the same unit.
- Develop UML diagram models and project structuring to achieve solid foundations when programming.
- Deploy all web development, implementing correct functionalities to solve the problem.
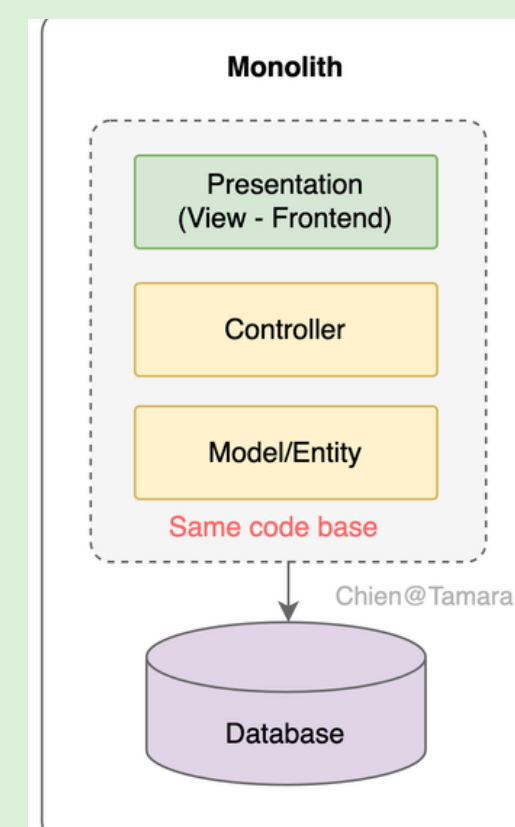
RESULTS

In this way we manage to develop a functional website, where the user can interact with the page, and that the results of the page are as expected, since the database is in charge of collecting the information from the backend. In the image you can see the developed interface.

PROPOSED METHODOLOGIES

We implement a Frontend that follows an MTV structure, Django will help us deploy the necessary apps in this way. The backend will use another framework such as FastAPI and will be linked to the PostgreSQL database, following the proposed structure of a monolith, as shown in the figure.

From: https://tech.tamara.co/monolith-architecture-5f00270f384e

CONCLUSIONS

Developing a project with the proposed methodologies promotes simplicity when developing a website, in turn provides ease in testing before deployment, however there begins to be complexity when wanting to scale said project.