



**UTT**

UNIVERSIDAD TECNOLÓGICA DE TIJUANA

**GOBIERNO DE BAJA CALIFORNIA**

## **Zenith: Progressive Web Application**

### **Second project progress review**

**García Gonzalez Christian Andrés**  
**López Bautista Cristian Alexis**  
**Mercado Juárez Ángel Hayr**  
**Salas Díaz Guillermo**  
**Santillán Galaviz Ken Antonio**

Name:

Group:

Subject:

Professor:

Date:

10-B

Progressive Web Applications

Dr. Ray Brunet Parra Galaviz

Wednesday, February 6th, 2024

# 1 Backend Progress

## 1.1 Database



Figure 1: Database diagram.

| #  | id | nombre                                 | created_at          | updated_at          |
|----|----|--|---------------------|---------------------|
| 1  | 1  | Enfermedad Covid-19                    | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 2  | 2  | Accidente de Trabajo                   | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 3  | 3  | Lesiones de Maternidad                 | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 4  | 4  | Lesiones Deportivas                    | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 5  | 5  | Enfermedades Virales                   | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 6  | 6  | Enfermedad Profesional                 | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 7  | 7  | Lesiones por Estrés                    | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 8  | 8  | Grupos A Programados                   | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 9  | 9  | Lesiones por Accidente Automovilístico | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 10 | 10 | Lesiones por Duido                     | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 11 | 11 | Enfermedad Respiratoria                | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 12 | 12 | Lesiones en el Trabajo                 | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 13 | 13 | Lesiones por Agotamiento               | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 14 | 14 | Enfermedad Cardiovascular              | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 15 | 15 | Lesiones por Castigos Familiares       | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 16 | 16 | Lesiones por Caídas                    | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 17 | 17 | Lesiones por Problemas de Salud Mental | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 18 | 18 | Enfermedad Gastrointestinal            | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 19 | 19 | Lesiones por Grupos de Heur            | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |
| 20 | 20 | Lesiones Musculares                    | 2023-12-02 12:18:08 | 2023-12-02 12:18:08 |

Figure 2: Database.

As part of the progress of the project in the backend, we have created the entire database, from the design of diagrams to the creation and insertion of some test data using data generation libraries such as faker. This database is already hosted on an AWS server for remote access.

## 1.2 API

¡Buenas noches!

Ordenar por **Fecha** ▼

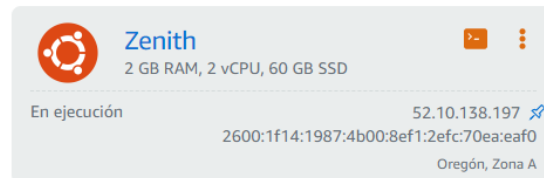


Figure 3: Server in AWS.

The API created in Laravel is also located on the AWS server, consuming data from the database. This has all the necessary methods for the proper functioning of the app, as well as enough endpoints to have a good organization of data and requests.

## 1.3 Requests

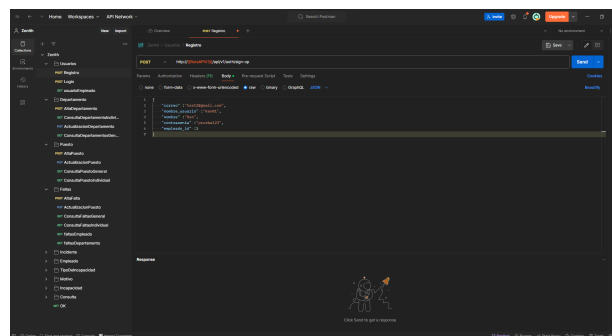


Figure 4: Postman collection.

As a way to consume this API through requests when developing, the postman tool is used, in which we have created a team where the collection of requests that can be made to the API is located, as well as functional examples for testing.

## 2 Frontend Progress

### 2.1 Mockups

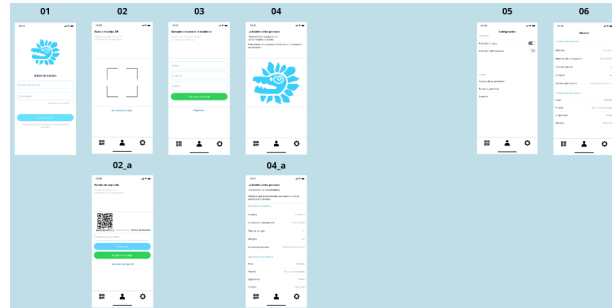


Figure 5: Mockup compilation.

In frontend development, we are using mockups created in the Proto.io tool, thanks to these we have some bases which we can follow to continue developing the views for the mobile application.

### 2.2 PWA Design

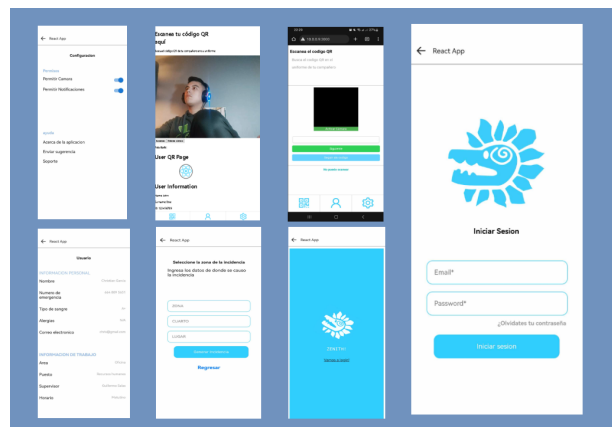


Figure 6: PWA Screen compilation.

On the PWA side, we are already creating the first views using react and based on the mockups shown above, we are also working on the generation and reading of QR codes, since this will be one of the main functions of our system.