

Introduction



Geegy is a dental clinic that specialized on teeth caring and consultation. They already solved nearly a million of dental problems in town. The number of appointments made by patients who plan to come to the dental clinic is highly increasing every single day. The old school way to write a daily report that are currently used is now being more complicated. There are also some cancelled appointments that are making things more frustrating.

In order to overcome that problem, Geegy's CEO plans to create a mobile app for his employee to see the daily report of the clinic. This app can show the patient's appointments log for each date, including the cancelled appointments for each day. The detail of each appointment can also be seen by the employee. You are requested to help Geegy's CEO to make it happen. Below are some of the requirements that has been arranged by the analysts and designers.

Contents

In this test project there are some files and usable resources:

1. Mobile 2_TP.pdf (Test project file)
2. Backend API
3. Resources (Folder that contains the API executables)
(Usable resources folder)

Project Description and Tasks

When developing the project, ensure all the deliverables meet the general requirements provided by the project designers:

- Project Criteria:
 - The project name should be “MOBILE_1_[XX]”, where XX is your PC number.
 - Time management is a crucial factor for the success of this project. So, manage your time wisely and submit all your works on time.
- Application User Interface:
 - Use the style guide provided consistently in the entire project.
 - The application wireframe is already provided by the UI designer.
 - You are allowed to modify the application interfaces as long as it doesn't interfere the business and application flow.
 - The scoring will be focused on the features of the application.
- Validation and Error Messages:
 - The application must runs well with a proper validation and shows a useful error messages to the user.
 - Analyze the required validation(s) that is/are needed in the application. This is one of the scoring criteria for your analytical skills for the project.
 - Any specific validation will be given in the project description.

Instructions for Competitors

1. Run the API

Run the API that already given in the “**Backend API**” folder. **Click twice** on an executable file named “**Geegy.API.exe**”. This will be the data source that you will be using throughout the entire project development process.

2. Access the API Documentation

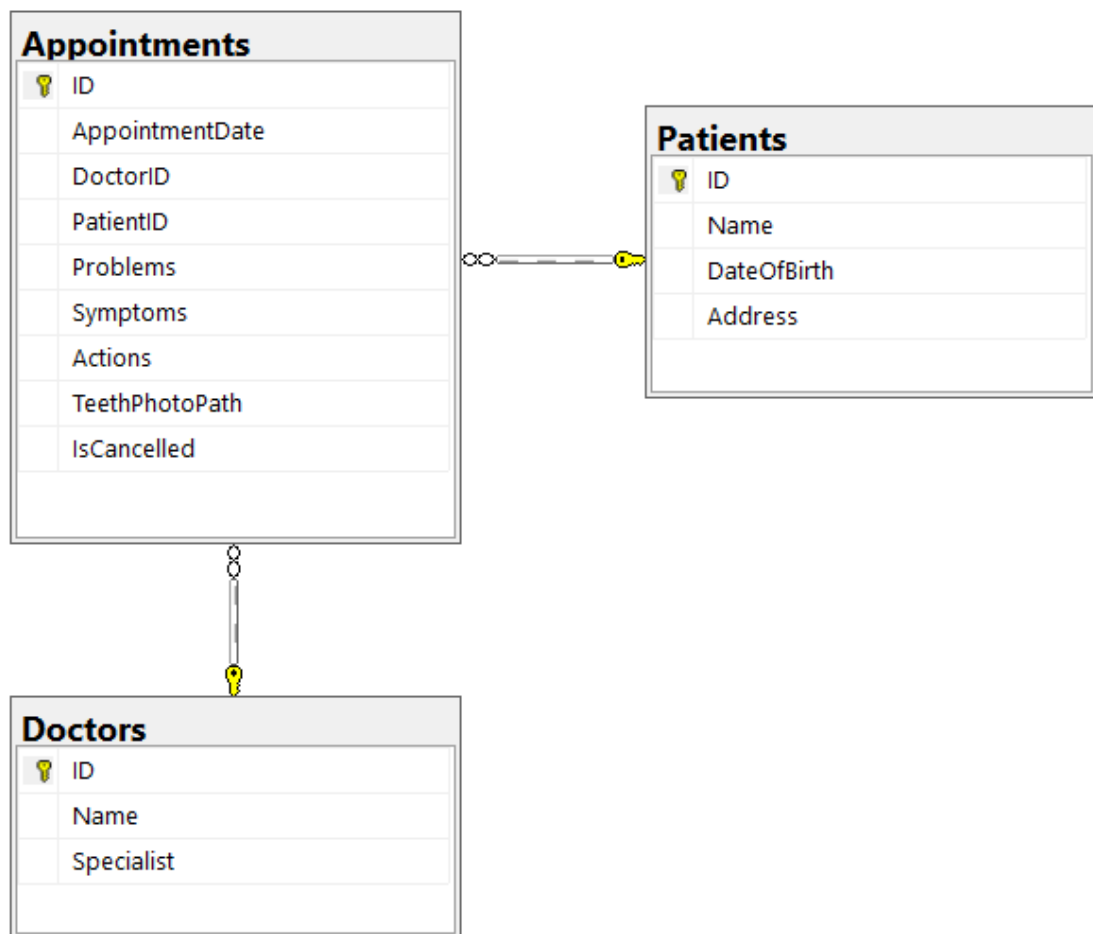
You can access the API documentation (Swagger OpenAPI) through this link:

<http://localhost:5000/swagger/index.html>

3. Develop the application and submit the project

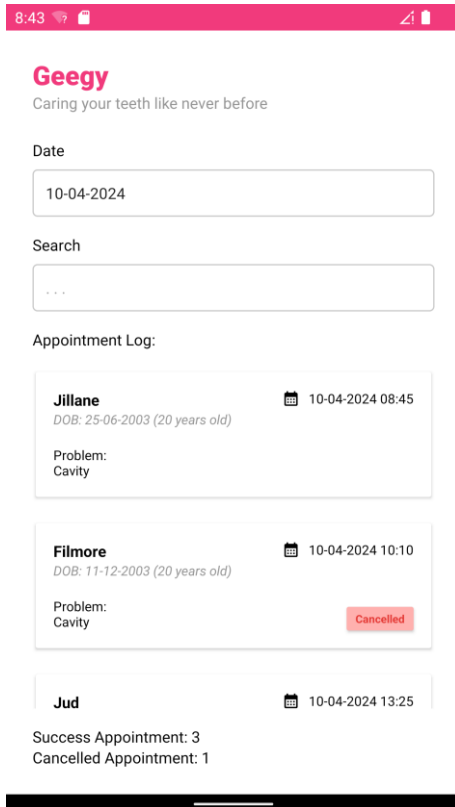
Develop the mobile application based on the description in the next section. And submit all your projects to the jury.

Entity Relationship Diagram



To make it easier for you to understand the database structure, Database Designers from Geegy has provided you an Entity-Relationship Diagram (ERD). This diagram will explain the concept and representation of the data model that is used in the database.

1. Home Screen



The screenshot shows the 'Geegy' app interface. At the top is a pink header with the time '8:43' and status icons. Below the header, the app name 'Geegy' is displayed in pink, followed by the tagline 'Caring your teeth like never before'. A 'Date' section contains a text input field with '10-04-2024'. Below this is a 'Search' section with a text input field containing three dots. An 'Appointment Log' section lists three appointments. The first appointment is for 'Jillane' (DOB: 25-06-2003, 20 years old) at 10-04-2024 08:45, with a problem of 'Cavity'. The second appointment is for 'Filmore' (DOB: 11-12-2003, 20 years old) at 10-04-2024 10:10, with a problem of 'Cavity' and a red 'Cancelled' button. The third appointment is for 'Jud' at 10-04-2024 13:25. At the bottom, summary statistics are shown: 'Success Appointment: 3' and 'Cancelled Appointment: 1'.

8:43

Geegy
Caring your teeth like never before

Date

10-04-2024

Search

...

Appointment Log:

Jillane 10-04-2024 08:45
DOB: 25-06-2003 (20 years old)
Problem: Cavity

Filmore 10-04-2024 10:10
DOB: 11-12-2003 (20 years old)
Problem: Cavity **Cancelled**

Jud 10-04-2024 13:25

Success Appointment: 3
Cancelled Appointment: 1

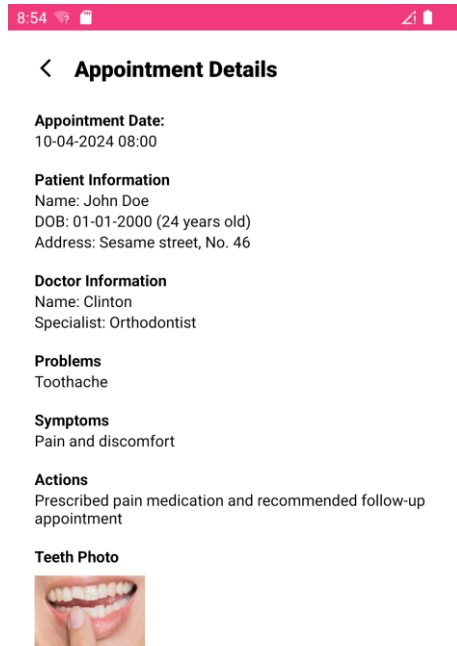
This is the first screen that will be used by the employee to use this application. This screen will show a list of appointments that are made by the patients.

- Show the total success appointment count and the cancelled appointment count in the bottom of the screen.
- Employees can see the list of appointments on the selected date. There is also a search box for the employees to search an appointment using the patient name.

The appointment information are:

- Patient name
- Patient date of birth
- Patient age
- Patient problem
- Appointment date and time
- Appointment status
 - The cancelled appointment is labelled using red color and can't be clicked
- Employee can see the detail of the completed appointment by clicking it.

2. Appointment Detail Screen



In this screen, employee can see the appointment detail information.

- Display the information about appointment.
 - Appointment date and time
 - Patient name
 - Patient date of birth
 - Patient age
 - Patient address
 - Patient problem
 - Doctor name
 - Doctor dental specialist
 - Symptoms
 - Actions
 - Teeth photo
 - The employee can click on the photo to see more detail (larger photo)

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