**PeacePlan**

**1.Short description**

PeacePlan is an appointment scheduling tool and it was developed to make therapy and counseling appointments simple and stress-free. PeacePlan helps you book your desired time slot, connects you with qualified professionals, and helps you achieve your goals, whether you're searching for personal development or mental health treatment. You may easily schedule therapy appointments with PeacePlan's user-friendly interface.

**2. Domain details**

Therapist:

-therapistId: Unique identifier for the therapist.(Integer)

-name: The name of the therapist.(String)

-age: The age of the therapist.(Integer)

-specialization: The therapist's area of specialization.(String)

-experience: Years of experience.(Integer)

-description: A short description of the therapist.(String)

Appointment:

-appointmentId: Unique identifier for the appointment.

-therapistId: Reference to the associated Therapist entity.

-date: The date of the appointment.

-duration: The duration of the appointment.

-status: The status of the appointment (e.g., booked, completed, cancelled).

**3.CRUD**

Therapist Entity:

-Create:

Inputs: name, age, specialization, experience, description.

Outputs: therapistId (autoincrement).

Description: This operation allows you to create a new therapist record in the database. You need to provide the therapist's name, area of specialization, years of experience, and a short description.

-Read:

Inputs: name

Outputs: List of therapists or a specific therapist.

Description: This operation allows you to retrieve therapist records from the database. You can either retrieve all therapists or a specific therapist by providing their therapistId.

-Update:

Inputs: therapistId, name, age, specialization, experience, description.

Outputs: -.

Description: This operation allows you to update an existing therapist record in the database. You need to provide the therapistId of the therapist you want to update, along with the updated name, specialization, experience, and description.

-Delete:

Inputs: therapistId.

Outputs: -.

Description: This operation allows you to delete an existing therapist record from the database. You need to provide the therapistId of the therapist you want to delete.

Appointment Entity:

-Create:

Inputs: therapistId, date, duration.

Outputs: appointmentId (autoincrement).

Description: This operation allows you to create a new appointment record in the database. You need to provide the therapistId of the therapist for the appointment, along with the date, duration, and status of the appointment.

-Read:

Inputs: appointmentId (or not).

Outputs: List of appointments or details of a specific appointment.

Description: This operation allows you to retrieve appointment records from the database. You can either retrieve all appointments or a specific appointment by providing its appointmentId.

-Update:

Inputs: appointmentId, therapistId, date, duration, status.

Outputs: -.

Description: This operation allows you to update an existing appointment record in the database. You need to provide the appointmentId of the appointment you want to update, along with the updated therapistId, date, duration, and status.

-Delete:

Inputs: appointmentId.

Outputs: -.

Description: This operation allows you to delete an existing appointment record from the database. You need to provide the appointmentId of the appointment you want to delete.

**4. Persistence details**

The CRUD operations that are persisted both on the local db and on the server for the Therapist and Appointment entities:

Create:

When a new therapist or appointment is created in the app, the record is saved locally on the device. The new record is also sent to the server to be stored in the central database. This ensures data consistency and allows for data access from multiple devices.

Read:

The app retrieves the therapist or appointment records from the local database, allowing users to view data even when offline. When the app has internet access, it can retrieve updated data from the server, ensuring that users have access to the most recent information.

Update:

When an existing therapist or appointment record is updated in the app, the changes are reflected in the local database. The updated record is sent to the server to be updated in the central database.

Delete:

When a therapist or appointment record is deleted in the app, it is removed from the local database. The request is sent to the server, where the record is removed from the central database.

**5. Details on what is happening when the device is offline.**

Therapist Entity:

-When a new therapist record is created in the app while the device is offline, the data is saved locally on the device.

-If the device is offline, the app retrieves the therapist records from the local database on the device.

-When an existing therapist record is updated in the app while offline, the changes are saved locally on the device.

-If a therapist record is deleted in the app while offline, it is removed from the local database on the device.

NOTE: . When the device regains internet access, the app communicates the operation/s performed while offline to the server so that the changes are made in the central database as well.

**6. App mockup**

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Descriere generată automatO imagine care conține text, captură de ecran, Sistem de operare, software

Descriere generată automatO imagine care conține text, captură de ecran, Font, proiectare

Descriere generată automat**