

## EHR App

A hospital is managing the patient electronic health records using a mobile application. The users are able to manage their own records and also if they are hospital's employees will manage the patient records.

On the server side at least the following details are maintained:

- Id - the internal record id. Integer value greater than zero.
- Name - the patient name. A string of characters representing the patient full name. I.e. "John Smith"
- Patient Id - patient id. Integer value greater than zero.
- Type - the record type. Eg. "admit", "transfer", "discharge", "registration", "update". A string type.
- Details - the record details, of a string type. Eg. "visit info", "insurance info", "prescription".
- Status - the record status. Eg. "new", "old". A string type.
- Date - the creation timestamp. An integer representing in unix time format the record creation time.

The application should provide at least the following features:

- Patient Section (separate activity - available offline too)
    - a. (1p) View all the patients. Using **GET /patients** call, the user will retrieve all the patients that are configured in the system. For each patient the name and the id will be retrieved, only the name should be displayed in the list. Available only online. Once a user selects a patient name, that patient id will represent his account in the system. The association will be persisted locally.
    - b. (1p) View all his records. Using **GET /records** call by specifying his patient id, the user will receive the list of all his records. If offline the app will display the list of already persisted records, an offline message and a way to retry the connection and the call. For each record the type and the status are displayed.
    - c. (1p) Request record details. Using **GET /details** call by specifying the record id the user will request and display all the record details (id, name, patient id, type, status and date).
    - d. (0.5p) Remove the local persisted patient association.
  - Employee Section (separate activity - available only online)
    - a. (1p) The list of all the patients. The list will be retrieved using the **GET /all** call, in this list along with the name the patient id will be displayed too.
    - b. (1p) Record a record entry. By selecting a patient than using **POST /add** call, by specifying a patient id, the record type, details and status a new record will be added.
    - c. (1p) Delete a patient. By using **DELETE /patient** call and specifying the patient id.
  - Admin Section (separate activity - available only online)
    - a. (1p) Delete all the patients. Using **DELETE /nuke** call.
- (0.5p) On all server operations a progress indicator will be displayed.
- (0.5p) On all server interactions, if an error message is received, the app should display the error message using a toast or snackbar.
- (0.5p) On all interactions (server or db calls), a log message should be recorded.