

Job Board & Recruitment Management App

A mobile application designed to streamline job postings and applications. Recruiters can post job listings, while job seekers can browse and apply for positions.

The system maintains the following details:

- **Id** – The internal job listing ID, an integer value greater than zero.
- **Title** – A string representing the job title.
- **Company** – A string representing the company offering the job.
- **Description** – A string containing job details (e.g., responsibilities, qualifications, salary range).
- **Status** – A string representing the job status, e.g., "open", "closed", "in review".
- **Applicants** – An integer representing the number of applicants for this job.
- **Location** – A string representing the job location (e.g., "Remote", "New York, USA").

Application Features (Available Without Restarting the App)

Recruiter Section (Separate Activity/Screen)

- A. **(1p) Post a new job listing** using `POST /job` by specifying all job details. Available both online and offline.
- B. **(2p) View all job listings in a list** using `GET /jobs`. The list should display at least the **id, title, company, and category**. If offline, an error message and retry option should be provided. Retrieved only once, the data should be available regardless of network status or restarts.
- C. **(1p) Select a job from the list to view all details** using `GET /job` with the job ID. Retrieved only once, data should persist on the device even after restarts or when offline.
- D. **(1p) Delete a job from the list** using `DELETE /job` with job id. Available only online.

Job Seeker Section (Separate Activity/Screen) - Available Online Only

- A. **(1p) View all available job listings currently “open”** using `GET /allJobs`. The list should display **title, location, status, and number of applicants**. Note that the filtering operation will be performed on the client.

Analytics Section (Separate Activity/Screen) - Available Online Only

- A. **(1p) Using `GET /allJobs`, generate the top 5 most applied jobs**, sorted by **status (ascending)** and **number of applicants (descending)**.

Additional Features

- **(1p) WebSocket Integration** – When a new job is posted, the server sends a WebSocket notification to all connected clients with the job details. The app displays the **title, company, and description** using a toast, snackbar, or dialog.
- **(0.5p) Progress Indicator** – A progress indicator appears on all server or DB operations.
- **(0.5p) Error Handling & Logging** – All server or DB errors are displayed using a toast or snackbar, and a log message is recorded.