

Case Study

We would like to implement REST APIs for creating, editing and deleting Incident Reports related to an application running in production.

Requirements

- The application must be built using Java, you can use the libraries/frameworks you think are most appropriate for the assessment
- The application must store data in a database, you can choose the one you prefer
- The application must be uploaded to a GitHub repository and must include a README file with a description and setup instructions
- What should be tested and how is up to you
- (optional) use CI/CD
- (optional) presence of docker-compose to run the application locally

The application has to provide the following actions

- Create a new incident report

The API should provide an endpoint to create a new incident report

An incident report must have at least these 3 fields

- Title
- Status [*New - Assigned - Closed*]
 - The default value for a new incident report is *New*
 - If the creator selects also an Assignee, the status has to be set to *Assigned*
- Assignee
 - The selected assignee should not have other tasks in *Assigned* status

- List existing incident reports

The API should provide an endpoint to list all the existing incident reports

- Edit an existing incident report

The API should provide an endpoint to edit an existing incident report

- Delete an existing incident report

The API should provide an endpoint to delete an existing incident report

Users

- It should be possible to create, edit and delete users.
- Permissions
 - Every user can read all the incident reports
 - The Assignee and the creator of an incident report can update its details
 - Only the Assignee can update the incident report status