# Assignment

We ask you to implement an application which represents basic project management flow. It will store all records in database **(preferably in-memory database**).

**Project** model should be used when implementing endpoints. Project status can be IN\_PROGRESS or FINISHED.

Long id;

String name;

StatusEnum status; LocalDateTime dateCreated; boolean archived;

# Endpoints to implement

|  |  |  |  |
| --- | --- | --- | --- |
| **Endpoint** | **Description** | **Request body** | **Response body** |
| POST /projects | Create new project | {  "name": "test", "status":  "IN\_PROGRESS"  } | {  "id": "234",  "name": "test", "status": "IN\_PROGRESS",  "dateCreated": "2021-03-16T17:  33",  "archived": false  } |

|  |  |  |  |
| --- | --- | --- | --- |
| GET /projects | Get all projects that are **NOT**  archived |  | [{  "id": "234",  "name": "test", "status": "IN\_PROGRESS",  "dateCreated": "2021-03-16T17:  33",  "archived": false  },  {  "id": "112",  "name": "demo", "status": "FINISHED",  "dateCreated": "2021-02-23T11:  32",  "archived": false  }] |
| PUT /projects/  {id} | Archive project |  | {  "id": "234",  "name": "test", "status": "IN\_PROGRESS",  "dateCreated": "2021-03-16T17:  33",  "archived": true  } |

# Requirements

1. Implementation should be done in Java 11 and preferably by using Spring Boot framework and Maven
2. Application is covered with unit tests and api endpoint tests
3. Application is using in-memory database