

# JAVA TASK

---

## TASK DETAILS

CREATE A SAMPLE WEB APPLICATION USING THE FOLLOWING TECHNOLOGIES AND MAKE SURE TO USE ALL / MOST OF THE TECHNOLOGIES THAT HAVE BEEN MENTIONED BELOW..

## TECHNOLOGIES TO USE

- SPRING MVC / SPRING BOOT (MANDATORY)
- SPRING JPA/ HIBERNATE FOR DATABASE CONNECTION (MANDATORY)
- DATABASE OF YOUR CHOICE (H2, MYSQL, ETC..)
- JAVA SERVLET PAGES (JSP FOR FRONTEND)
- HTML5 WITH BOOTSTRAP/JAVASCRIPT/JQUERY (FOR FRONTEND)
- MAVEN FOR ADDING DEPENDENCIES TO PROJECT

## DETAILED DESCRIPTION

CREATE A SAMPLE SPRING MVC/ SPRING BOOT WEB APPLICATION TO :

- LANDING PAGE TO CONTAIN LIST OF EMPLOYEES LOADED FROM DATABASE.
- A FRONT END USER SHOULD BE ABLE TO DO THE FOLLOWING OPERATIONS
  1. ADD A NEW EMPLOYEE WITH ALL DETAILS.
  2. EDIT ANY EXISTING EMPLOYEE DETAILS.
  3. DELETE ANY EXISTING EMPLOYEE RECORDS
- EMPLOYEE TABLE TO CONSIST OF THE FOLLOWING DETAILS:  
ALL DETAILS ARE MANDATORY AND CANNOT BE NULL/ BLANK.
  - ID (CAN BE AUTO GENERATED) (INT/ LONG)
  - NAME (STRING)
  - EMAIL (VALIDATE VALID EMAIL ONLY)
  - DOB (DATE/ TIMESTAMP)
  - AGE (TO BE CALCULATED FROM DOB)
  - SALARY (DECIMAL VALUE)
  - STATUS (ACTIVE/ INACTIVE) - (BOOLEAN)
- ALL PAGES TO BE MOBILE RESPONSIVE AS MUCH AS POSSIBLE.

THE CANDIDATE IS EXPECTED TO SHOW US A DEMO OF THE WEB APPLICATION CREATED ON THEIR LOCAL SYSTEM. ANY IDE CAN BE USED TO CREATE THE SAME. CODE CAN BE SENT AS A GITHUB LINK/ ZIP FILE FOR REVIEW.

## WHAT IS EXPECTED?

- Knowledge of Spring MVC Framework/ Spring Boot Framework.
- Basic knowledge of any SQL Language. – CRUD operations  
Ability to connect to a database via the Spring Application.
- Knowledge on JSP, HTML, BOOTSTRAP, JAVASCRIPT, JQUERY.
- Expected to use Standard Naming Conventions in all places.
- Expected to use Controllers using the @Controller rather than extending the HttpServlet and overriding the doGet and doPost methods.