## Objective

Development of a Recruitment Management System

## Abstract of the project

This project is aimed at developing an online Recruitment Management System. This system can be used by individual users, companies and admin personnel. Individual users can use the system to add/modify resume, search for jobs based on different criteria and apply for jobs. Companies can register company details, post job requirements, search resumes based on certain criteria. The admin can generate various reports.

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## Functional components of the project

Following is a list of functionalities of the system. Wherever, the description of functionality is not adequate, you can make appropriate assumptions and proceed.

There are three categories of people who would access the system viz. Individuals, companies (individuals on behalf of the company) & Admin personnel. Each one of them would have some exclusive privileges.

1. Individual user should be able to login to the system and perform the following
   1. Add resume
   2. Modify resume
   3. Search for jobs based on qualification, position, years of experience,location
   4. Apply for jobs.
2. A company user can login and perform the following
   1. Register company details on the web site
   2. Post job requirements
   3. Search candidates based on qualification, position,years of experience.
3. Admin can generate placement reports
   1. How many individuals were placed in a particular month
   2. How many individuals were placed in a particular company
   3. How many individuals were placed in a particular position(designation)

**Suggested Stack:**

1. **JAVA Track:**

* Java 8
* Angular 6+
* Maven
* Spring Boot 2.x
* SpringREST
* Spring Data JPA
* Postman
* Oracle/Postgres
* JUnit 5/Mockito
* Sonarqube
* JACOCO

1. **.NET Track**

* C#
* Asp.net
* EntityFramework
* Angular 6+
* MSBuild, MSTest/NUnit,
* SQL/MySQL/Oracle/Postgres