**Online Voting System**

**Project Scope:**

To create an online portal for the users so they can nominate themselves as well as vote for the candidate. The application can be made either as Web Application, Mobile Application or Desktop Application. There are 2 entities Admin and User.

**Feature Need to be implemented:**

* Admin should be able to create election polls and choose nominees.
* Users should be able to nominate themselves as candidate.
* Voting should automatically start at mentioned date time and should end at mentioned date time.
* Each voter should have authentication to be able to vote. Once vote cannot revote.
* Admin should calculate the result and publish it to user.
* Handle data and errors properly. Show appropriate messages to user.
* Use multithreading during voting period.
* Create a good UI for good user experience.
* Plan a good architecture pattern for the project.
* Provide security for project.

**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