**Hackers Poll**

**Introduction:**

This is an online platform to poll a vote for your favorite hacker based on his expertise on various technologies such as Java, Angular and Data structures.

**Technology Used:**

Frontend: Angular Framework

Backend: Java 8, Spring Boot, Spring Security, Flyway

Database: H2 database (easily embedded in spring boot)

**Deployment URL:** https://lrning.herokuapp.com/

I have deployed the backend code on Heroku cloud, and the base URL is mentioned above.

Swagger API Documentation Link: <https://lrning.herokuapp.com/swagger-ui.html>

Since Swagger provides full API documentation of the Rest API written in code, so I have embedded it in my project. By clicking on the swagger link, one can find all the end points, the JSON body it is accepting.

* I have implemented spring security to authorize different users based on type of roles, i.e., users with role as ADMIN can only add, delete and update and view the candidate.
* I have also used IP address (fetched while voting) and based on this I ensured that one end user can cast only one vote.
* If user has already voted once, his IP address is stored, and if he tries to vote again, the vote button will be disabled.
* Only the candidate can update his/her details, no one else has authorization to do so, this is also done by spring security