

FULL STACK PROJECT

(2021-2022)

Synopsis



Team Members

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Codera

Introduction-

Codera is a coding website that offers a wide variety of competitive questions. The companies can visit here and recruit fresh graduates who are technically efficient in coding by giving them questions.

Objective-

Codera objective is to provide the user to register and login on the website. After that he/she can write, execute and submit their code successfully so that it will be visible to recruiters and they can review it.

Working Methodology-

- The user can register by entering his/her name, email, mobile number, highest qualification, etc.
- After registering, the user shall login using his/her email password.
- There is a problem statement for which he/she has to code on Java/Python/C in the code area provided.
- On clicking the submit button, the code entered by the user is saved on the server as solution.

Software Specification

□ Technology Implemented	:	Front-End Technologies
□ Language Used	:	HTML, CSS, JavaScript, Bootstrap
□ Development Environment	:	Visual Studio code
□ Web Browser	:	Chrome / Firefox

Hardware Requirements

❑ Processor	:	Intel
❑ Operating System	:	Windows 7/8/10
❑ RAM	:	4+GB
❑ Hard disk	:	32-64 GB
❑ Hardware Devices	:	Computer System

Team contribution-

- In this project we are working as a team of 4 persons Mukul, Sanchit, Himanshu and Harsh.
- There are 4 Modules in this we have divided 1 to each person by choice based.
- Registration section and login section is handled by **Mukul**. Instruction panel and Question panel is managed by **Sanchit**. Code editor, compiler and submit section is handled by **Himanshu**. And Backend API (Judge0 and Ace Editor) is managed by **Harsh**.
- It will take probably two months to complete this project with full analysis.

Limitations of The System Proposed-

- Internet connection is required while accessing the website.
- Limitation of programming languages i.e. only Java, Python and C is available for user to code.
- Unavailability of test cases to check the code at different inputs.
- As the number of questions are limited so all users will have same questions.

Online GIT repository- [https://github.com/Himanshu-Gupta2001/Fullstack-](https://github.com/Himanshu-Gupta2001/Fullstack-Project-2021-22/)

[Project 2021-22/](#)

Conclusion –

The look and feel of project is self explanatory. All the fields must be filled before clicking the register button. The code area where code is to be written have sufficient width and height. The file is saved on the server with the chosen language.

References:

- www.beta-labs.in
- <https://nilmadhab.medium.com/?p=5be32dac5dcc>
- <https://www.w3schools.com>
- Wikipedia