Project Title	**E-voting System**
Technologies	MERN
Domain	Industry
Project Level	Difficult

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1. Problem Statement:

An online election system would contain voter identification cards, document verification, candidate and voter registration, and user IDs and passes that were automatically generated. administrative login, which will be handled by the Election Commission. Voters will receive a unique ID and password through the Candidate Login, which will be managed by the Candidate, and they can use those to cast their one and only vote for a Candidate per election. Election Commission, voters who may learn more about the candidates' backgrounds and make

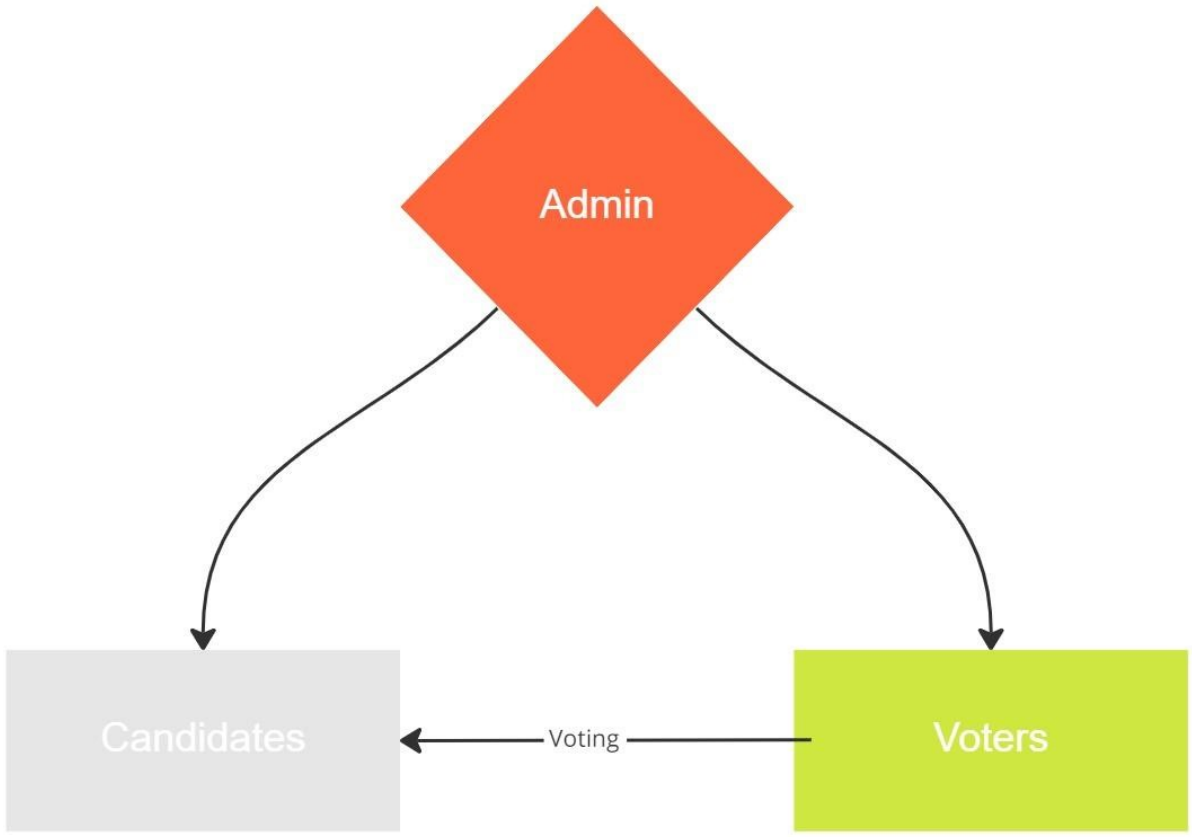
informed decisions, and even the candidates themselves can benefit from the endeavor. The software system enables the Candidate to log in to their accounts and upload all of their information, including their most recent milestone, to the database. A candidate's ID and password will only be generated after the admin has reviewed each candidate's information and verified their supporting documentation. The admin can also delete any accounts that are inactive. Voters are able to browse a list of Candidates in their area. The administrator is in charge of the entire system and has the authority to moderate and delete any information that does not follow the election rules.

2. Features:

- It Offers search capabilities based on a variety of variables. such as Payment, Package, Gym Shift,
- Admin Login
- Candidate Document Verification.
- Candidate Login
- Voters Login
- Voters can view Candidate’s data
- Admin dashboard has overall functional rights
- Appropriate data processing and handling
- System generated ID and Password for Candidate and Voters.
- Result Calculation module
- Election Creation module
- Voting conduction module

2.1. Report Generation:

- Admin can generate election report.


Admin
Candidates
Voting
Voters

3. Project Evaluation metrics:

3.1. Code:

- You are supposed to write code in a modular fashion ● Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works similarly in every environment (operating system).
- You have to maintain your code on GitHub.
- You must keep your GitHub repo public so anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include the basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

3.2. Database:

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

3.3. API Details or User Interface:

You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

3.4. Deployment:

Deploy the application on your preferred service.

3.5. Solutions Design:

You have to submit complete solution design strategies in High-level Document (HLD), Lowlevel Document (LLD), and Wireframe documents**.**

3.6. System Architecture:

You have to submit a system architecture design in your wireframe document and architecture document.

3.7. Optimization of solutions:

Try to optimize your solution on the code level, and architecture level, and mention all of these things in your final submission.

4. Submission requirements:

4.1. High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link: HLD Document Link

4.2. **Low-level document:**

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: LLD Document Link

4.3. **Architecture:**

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: Architecture sample link

4.4. **Wireframe:**

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: Wireframe Document Link

4.5. **Project code:**

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

4.6. **Detail project report:**

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

4.7. Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link.