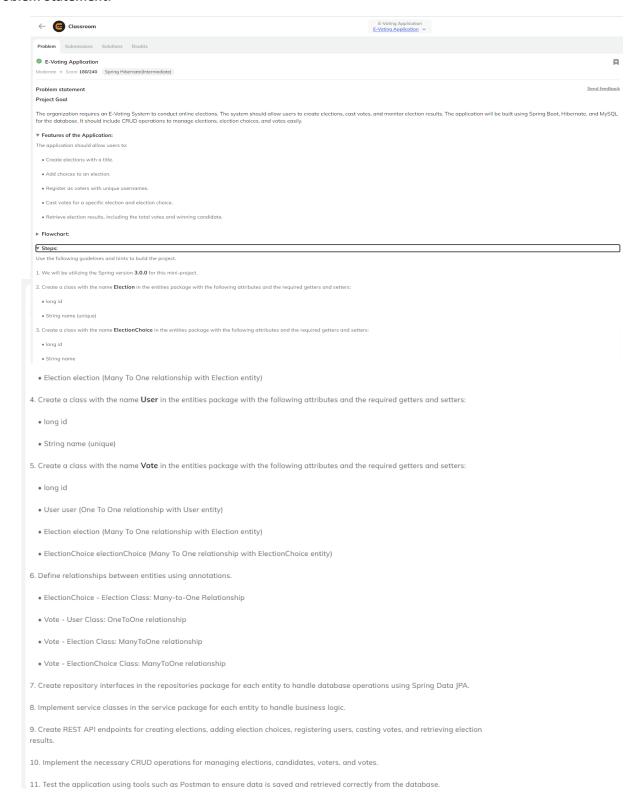
E-Voting Application

Problem Statement:



▼ End Points To Be Created:

- 1. Election Endpoints:
 - GET "/get/elections": It retrieves the list of all elections.
 - POST "/add/election" (@RequestBody Election election): It creates a new election.
- 2. ElectionChoice Endpoints:
 - POST "/add/electionChoice" (@RequestBody ElectionChoice electionChoice): It adds a election choice.
 - GET "/get/electionChoices": It fetches the list of all electionChoices from the database.
 - POST "/count/election/choices" (@RequestBody Election election): It retrieves the list of all choices for the given election.
- 3. User Endpoints:
 - POST "/add/user" (@RequestBody User user): It creates a new user into the database.
 - GET "/get/users": It fetches the list of all users from the database.
- 4. Vote Endpoints:
 - GET "/get/votes": It fetches the list of all votes from the database.
- POST "/add/vote" (@RequestBody Vote vote): It register a new vote into the database.
- \bullet GET "/count/votes": It fetches the count of total votes from the database.
- POST "/count/election/votes" (@RequestBody Election election): It returns the count of total votes by-election in long.
- 5. Results Endpoints:
 - POST "/winner/election" (@RequestBody Election election): It retrieves the ElectionChoice for a specific election as the winner.

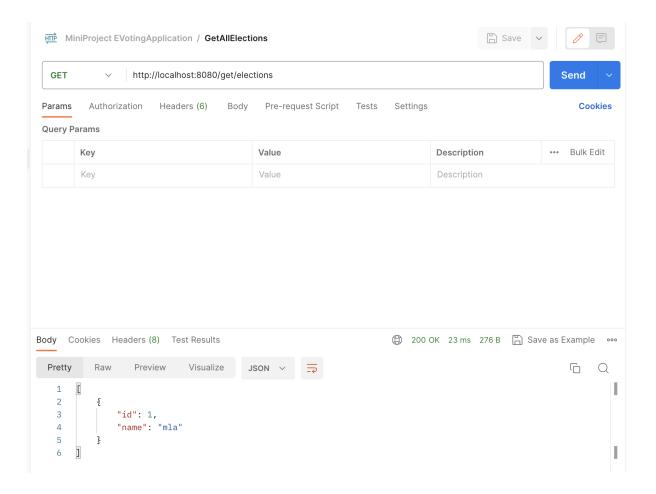
Postman Testing:

▼ Testing on Postman:

After successfully creating the application, you need to test its functionality. Your application should be tested for the following scenarios:

- Creating an election: The application should successfully store the election details in the database.
- Adding Election Choices: Election Choices should be associated with the corresponding election.
- Registering a user: The application should store the voter details.
- Casting a vote: The application should record the vote for the specified election and election choice.
- Retrieving election results: The application should retrieve the total votes and winning choice for a specific election.
- Test all the exposed APIs of the backend on Postman to ensure proper functionality and data handling.

Reference image



Flow Chart:

