**Task Overview:**

You are required to build a **"Mentorship Matching Platform"** where users can create an account, set up a profile as a mentor or mentee, specify their skills or areas of interest, and find matches with others for mentorship opportunities.

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**Requirements:**

**User Interface (UI) Design:**

- **Design:** Create a clean, intuitive, and responsive interface using vanilla JS, HTML & CSS (Do not use any external library and framework for frontend)
- **Pages to Include:**
    - **User Registration and Login:** A page for users to sign up, log in, and log out securely.
    - **Profile Setup:** A page where users can create and edit their profiles, specifying their role (mentor or mentee), skills, interests, and a brief bio.
    - **User Discovery:** A page where users can browse through other users' profiles, with filters for role, skills, interests, etc.

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**Functionality:**

- **User Authentication:** Implement secure user registration, login, and logout functionalities with input validation and error handling.
- **Profile Management:** Allow users to create, edit, and delete their profiles. Ensure that profile information is accurately displayed and updated.
- **Connection Requests:** Enable users to send and receive mentorship requests, accept or decline requests, and manage ongoing mentorship connections.

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**Database Integration:**

- **Setup:** Use a relational database to store user information, profiles, and mentorship connections (e.g., PostgreSQL, MySQL).

- **Relationships:** Define clear relationships between users, their profiles, and mentorship requests.
- **Data Security:** Ensure sensitive information is securely stored and handled, following best practices for data protection.

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**Edge Case Handling:**

- **Input Validation:** Validate all user inputs to prevent empty fields, invalid data formats, and security vulnerabilities like SQL injection.
- **Duplicate Prevention:** Prevent users from creating duplicate profiles or sending multiple mentorship requests to the same user..

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**Deployment:**

- **Hosting:** Deploy the application on a free hosting platform (e.g., Heroku, Vercel, Netlify).
- **Accessibility:** Ensure the deployed application is fully functional, responsive, and accessible via a public URL.
- **Environment Variables:** Securely manage any API keys or environment variables needed for deployment.

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**Deliverables:**

1. **GitHub Repository:** A public repository containing all source code, organized in a clean and logical structure.
2. **Deployed Application URL:** A live link to the deployed application for testing and review.
3. **README File:** Include setup instructions, the deployed URL, technologies used, and any necessary configurations.
4. **Documentation:** A brief document (approximately one page) explaining your development approach, challenges faced, and solutions implemented.

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**Evaluation Criteria:**

- **UI/UX Design:** Clarity, aesthetics, and user-friendliness of the interface.
- **Feature Implementation:** Complete and correct functionality as per the requirements.
- **Database Management:** Efficient database design and interaction, ensuring data integrity and security.
- **Robustness:** Effective handling of edge cases, errors, and invalid inputs without compromising the application's stability.
- **Code Quality:** Cleanliness of code, use of best practices, commenting, and overall organization.
- **Innovation:** Any additional features or creative solutions beyond the basic requirements.

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**Submission Instructions:**

Please submit the following:

- **GitHub Repository Link**
- **Deployed Application URL**
- **Documentation File**

Send your submission via the Google form link shared separately.

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**Good Luck!**

We look forward to reviewing your application. If you have any questions or need clarifications, feel free to reach out.