**Additional Requirements**

**a) Technology Choice:**

* Frontend: Used basic HTML and CSS
* Backend: used Django framework

**b) Reflect on Challenges:** Think about potential challenges you might face when building this tool. What specific problem do you anticipate, and how would you address it based on your experience or understanding?

**Challenges to be encountered**

**1. Dependency issues**

Ensuring the application works in different machines without any errors.

**Solution**

Use the ‘requirements.txt’ to list the dependencies and their versions and also update them regularly.

**2. Database Migrations**

Keeping the database up-to-date with the latest changes made in the model.

**Solution**

Run ‘python manage.py makemigrations’ and ‘python manage.py migrate’ often to update the changes.

**3. Security issues**

Ensuring safety of the data used in the applications, more-so those passed in the forms and SQL queries.

**Solution**

Using Django built in features eg CSRF Tokens to ensure integrity of the data.

**4. Error Handling**

Quite demanding to debug the errors encountered during production.

**Solution**

Using comprehensive and simple error messages.

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