Rajshahi University of Engineering & Technology

CSE 3200 Project Progress Report

Course Title : Software Development Project II
Course No. : CSE 3200

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Progress Report of Project 3200

Date : 09.05.2022

Learned :

1. How to generate search results by filtering through a database based on query
2. How to get context data in class-based view in django.
3. How to correctly set a background image in a django template using css.

Project Progress :

Frontend Portion :

Home Page:

- Navigation Bar :

  Developed a navigation bar that contains menus and a search box using HTML and CSS.

- Banner Image :

  Developed a banner image and displayed it right below the navbar with text on top of it using CSS.

- Search Box:

  Developed a search system that will show results when a query is placed into the search box.

- Cards :

  Placed a row of cards under the banner image that will be used to access the services provided by the site.

Camp Information Page:

- Table :

  Displayed information about the blood donation camps from the database in a table.

Search Result Page :

  Developed a page that displays search results in an ordered list.

Backend Portion :

- Database Connection:

Connected the database with the project.

- ER Diagram :

Created an ER diagram for the database using a diagramming tool.

- Superuser Creation :

Created a superuser to add, update and delete the contents of the database.

Problems:

None

Next:

- User registration and login authentication for admins, donors and patients.
- A questionnaire system for people who want to donate blood.

Progress Report of Project 3200

Date : 12.06.2022

Learned :

1. Creating custom user model and overriding the default user model
2. User registration and authentication for different users
3. Creating forms and saving form entries to database

Project Progress :

Frontend Portion :

1. Created forms for different user types

Backend Portion :

1. Saving form entries in database
2. Authenticating data before saving

3. Superuser has permission add, edit and delete other users

Problems:

- When I try to add a foreign key (blood group from 'Blood' model) to CustomUser Model it shows a dependency error.

Next:

1. Interactive Quiz to check eligibility
2. Interactive Maps

Progress Report of Project 3200

Date: 06.07.2022

Learned :

1. Creating a quiz and returning a result based on answers
2. Redirecting to another url after registering
3. Django template tags and passing calculated values in templates

Project Progress :

Frontend portion:

1. Created user interface for register page
2. Created the quiz user interface

Backend Portion:

1. Created a quiz model where the admin can enter questions, options and answers.
2. Displayed the blood type option in the user forms from the Blood model.

Problems:

- The previous problem has been fixed.
- No new problems.

Next:

1. Email Verification
2. User login, logout
3. Interactive Maps

Progress Report of Project 3200

Date : 30.08.2022

Learned :

1. Sending email via django
2. Login and logout functionality
3. Showing messages
4. Creating user profiles
5. Django signals
6. Creating templates for users to update model information
7. Embedding a map in a webpage

Project Progress :

Frontend Portion :

1. Login and logout forms
2. Forms for appointment and blood request
3. User profiles

Backend Portion :

1. Setting up email settings for sending email
2. Creating user profile models
3. Used django signals to automatically create a profile for a new user
4. Setting up media routes for uploading profile images
5. Implemented views for updating profile