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**Kabul Polytechnic University**

**Computer science Faculty**

**Network Engineering Department**

**Monthly Progress Report**

Mont (October)

**Name: Besmillah Hakimi**

**Supervisor: dear Samiullah Gulzar**

**Project: "Gull Yakh" Restaurant Websit**

# **Week 1:**

* Data retrieval from the backend to the frontend: During this week, I successfully implemented the functionality to retrieve data from the backend server and display it on the frontend. This included retrieving information about food items, beverages, and posts from the database.
* User interface implementation: I designed and implemented the user interface to showcase the retrieved data to users. This involved creating visually appealing and user-friendly displays for the food, beverages, and posts.
* Search functionality integration: I integrated a search feature into the website, allowing users to search for specific items or posts. The search functionality retrieves relevant results and displays them to the users.
* Sorting of food and beverages: To enhance the user experience, I implemented sorting options for food items and beverages. Users can now sort the items based on their names or within a specified price range, making it easier for them to find what they are looking for.

# **Week 2:**

* Addition of new data: I added functionality to the backend system to handle the addition of new food items, beverages, and posts to the database. This enables the website to accommodate new content and keep it up to date.

# **Week 3:**

* User account creation: I implemented user account creation functionality, allowing users to create their accounts on the website. This involved designing and implementing registration forms and integrating them with the backend system to securely store user information.
* User profile creation: Users can now create their profiles on the website. I developed the necessary functionality to enable users to provide additional details and create personalized profiles.
* Profile editing and password change: I implemented user interface components and backend logic to allow users to edit their profiles and change their passwords. This gives users control over their account information and enhances their overall experience on the website.
* Password reset functionality: To assist users who may forget their passwords, I implemented a password reset feature. Users can request a password reset email, which includes instructions on how to reset their password and regain access to their account.

# Week 4:

* Admin privileges and user management: I added admin privileges to the system, allowing designated administrators to access additional functionalities. Specifically, administrators can view the list of users and their join dates, providing insights into user activity.
* User role management: As part of the admin privileges, I implemented the capability for administrators to change user roles. This includes converting an ordinary user to an admin and vice versa, based on the specific permissions and access levels required.

# **Summary:**

During the past month, I have successfully implemented the functionality to fetch data from the backend to the frontend, allowing users to view food items, beverages, and posts. The integration of search capability and sorting options has enhanced the user experience by enabling users to easily find their desired items. Additionally, I have implemented user account creation, profile creation and editing, password change, and password reset functionality, providing users with a comprehensive set of features to manage their accounts. Furthermore, I have added access controls and management capabilities for administrators, allowing them to view user details and modify user roles.

# **Moving forward, the next steps for the project could include:**

1. User Reviews: Add the ability for users to submit reviews and ratings about the food, beverages, and their experiences on the website. This feature allows users to share their experiences with others and help them in making food choices.
2. Order Management: Add the ability for users to place orders for food and beverages on the website. This feature should include options for selecting items, adjusting quantities, making online payments, and tracking order status.
3. Refinement and optimization: Review the implemented features, identify any areas that can be improved, and optimize the codebase for better performance and scalability.
4. Enhancing security: Implement additional security measures, such as input validation, authentication, and authorization, to ensure the protection of user data and prevent unauthorized access.
5. Testing and bug fixing: Conduct thorough testing of the implemented functionalities to identify and resolve any bugs or issues that may arise. This includes both unit testing and user acceptance testing.