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Faculty Kit

This **Faculty Kit** is designed to guide the evaluation of the **Cuisine popular and festivals (YumYard)** project developed using **React** and **Django**. The kit outlines the evaluation strategy, key milestones, and specific evaluation criteria for each phase of the project. It also provides references and documents to assist in the assessment process.

Evaluation Strategy/Tips for the different milestones of the project

Objective

These guidelines aim to help faculty evaluate the progress, completeness, and quality of the **Cuisine popular and festivals (YumYard)** project, which involves frontend development using **React** and backend development using **Django**. The provided evaluation criteria will support both the technical aspects and the overall presentation of the project..

Requirements Specification

Key points to evaluate:

1. Clarity of the Specification Document
2. Validity of Assumptions
3. Team-wide Understanding
4. Quality of Documentation and Presentation

Technology Familiarization

Evaluation method:

- **Short Team Presentation:** A presentation should demonstrate the team's understanding of **React**, **Django**, **REST APIs**, and **PostgreSQL/SQLite**. Topics to cover should include:
    - React component structure, state management, and lifecycle methods.
    - Django models, views, serializers, and how they interact with the database.
    - REST API principles (HTTP methods, status codes, data format).
    - Database design and relationships (PostgreSQL/SQLite).

- **Follow-up Quiz:** A quiz covering:
    - Basics of **Django** (models, views, serializers).
    - **React** component structure, state management, and hooks.
    - **REST API** concepts and testing tools.
    - **Database schema design** and normalization

Database Creation

A concise document should describe:

1. Database Schema
2. Clarity and Normalization
3. Data Storage Estimations
4. Backup/Recovery Plans

High-Level and Detailed Design

Evaluation can be done through:

- **Design Document Submission or Oral Presentation + Viva**
- **Review for:**
    - Coverage of all project requirements (user registration, food ordering, payment integration, vendor dashboard).
    - Detailed pseudocode or flowcharts for major modules (order management, payment processing, etc.).
    - Discussion of alternative design approaches.
    - Error handling and notifications for the system.
    - System robustness and behavior during potential failures (e.g., database crashes).

Front-end implementation

Demo Requirements:

- **Initial UI Demo:** Show the basic UI including user login, food item browsing, cart management, and checkout.
- **Evaluation Points:**
    - **UI Design:** The layout should be clean and intuitive with clear visual cues (error/success messages).
    - **User Help:** The system should include tooltips, inline help, and user-friendly instructions.
    - **Usability:** The interface should be intuitive with minimal user training required.
    - **Validations and Error Messages:** Any errors or incomplete form submissions should be clearly displayed to the user with appropriate messages.

Integrating the front-end with the database

Conduct a complete system demo with backend integration. The faculty should look for:

1. Stable Operation.
2. Proper Demonstration of Features
3. User Creation & Login Functionality
4. Deletion of User Accounts

Test-plan review

Submit a test plan covering:

1. Coverage of All Functionalities
2. Clear Test Case Execution Instructions
3. Input Validation and Error-Handling Cases
4. Exception Scenarios

5. Consideration of exception scenarios (e.g., server downtime)

Final review

Final evaluation based on:

- Full System Demo
- Project Artifacts Submission
- Quality of Final Report
- Clarity and Confidence in Presentation

Documents/References that may aid the process of evaluation

1. **React Official Documentation**

   – https://react.dev/reference/react

2. **Django Official Docs**

   – https://docs.djangoproject.com