Mess Food Planar

TEAM:

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Monaday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Problem Statement

- Design a system for regulating the hostel mess menu, meal selection, and rating mechanism to ensure quality meals while optimizing vendor selection and expenditure. The system aims to streamline the process of deciding the hostel mess menu, collecting feedback, and managing vendor contracts effectively.
- Develop a mechanism for hostel residents to rate meals based on taste, quality, portion size, and overall satisfaction. Ratings should be collected daily or after each meal.
- By involving user give positive impact on the user and vendors for preparing planar to providing good and healthy food to the our targeted audience.

Proposed Solution

- It provides the following solution measure :
  - •Menu Proposal: Students preview menu options.
  - •Voting System: A voting mechanism to choose preferred meals
  - •Rating System: After trying the meal, students can rate and provide feedback.
  - •Vendor Evaluation: Use feedback to evaluate and regulate vendors.
  - •Budget Management: Track expenses and ensure fair pricing

- our website offers a unique and dynamic experience, making it a go-to platform for collective menu creation and vendor regulation and allows transparency, engagement, and effective communication among students, contractors, and administrators.

Implementation Plan

1. **Team Setup and Role**

Assignment Duration: First 1-2 hours

Assign roles focusing on frontend, backend, database, and design.

- **Requirements Gathering and Planning: Duration: 1-2 hours**

Identify core features for the MVP: user registration, menu suggestion and voting, meal rating.

- **Setup Development Environment: Duration: 30 minutes**

Initialize project repositories and set up environments for the tech stack.

Implementation Plan

•**Development Sprints:**

Sprint 1: Duration: 3-4 hours Implement user registration and authentication.•

Sprint 2: Duration: 4-5 hours Develop menu suggestion and voting functionalities.•

Sprint 3: Duration: 3-4 hours Create meal rating system.•

Sprint 4: Duration: 2-3 hours Basic reporting and analytics dashboard.

•**Integration and Testing: Duration: 3-4 hours**

Combine all components and conduct thorough testing.

•**Presentation Preparation: Duration: 1-2 hours**

Prepare a compelling presentation and demo.•

Presentation: Duration: Varies based on hackathon rules Showcase the solution to the hackathon judges and attendees.

Implementation Plan

2. **Technologies, Tools, and Resources**

•**Frontend**: ReactJS for building a dynamic and responsive user interface.

•**Backend:** Node.js with Express for the server-side logic, providing a lightweight and efficient platform for handling requests and responses.

•**Database**: PostgreSQL for relational data storage, managing user data, menu suggestions, votes, and ratings.

•**Authentication**: JSON Web Tokens (JWT) for secure user authentication and session management.

•**Version Control**: GitHub for source code management, facilitating collaboration and code sharing among team members.

•**Project Management**: Trello or Jira for tracking tasks, deadlines, and progress throughout the hackathon.

•**Design Tools**: Figma or Adobe XD for designing the UI/UX, ensuring the application is user-friendly and accessible

Implementation Plan

3. Team Skills and Expertise

*__Frontend Development__: Team members with extensive experience in ReactJS, proficient in creating dynamic and interactive web applications, ensuring a seamless user experience.

•__Backend Development__: Expertise in Node.js and Express, capable of implementing robust server-side logic, API endpoints, and integrating with the PostgreSQL database.

•__Database Management__: Knowledgeable in database schema design and management with PostgreSQL, ensuring efficient data storage and retrieval.

•__Security and Authentication:__ Familiarity with implementing secure authentication mechanisms using JWT, protecting user data and application integrity.

•__UI/UX Design__: Team members skilled in UI/UX design principles, capable of using Figma or Adobe XD to create intuitive and engaging interfaces.

•__Project Management and Collaboration__: Experience in agile development practices, adept at using project management tools for efficient task tracking and collaboration.With a focus on these key development steps, leveraging the outlined technology stack, and capitalizing on our team's diverse skills and expertise, we are well-positioned to develop and present a functional MVP within the hackathon timeframe. Our collective experience in web development, database management, and design, combined with effective project management, sets us up for success in creating a system that enhances the dining experience through collective menu creation and meal feedback.

Potential Impact & Future Scopes

- **Positive Impact on Target Audience and Society**

Enhanced Meal Satisfaction: By involving users in the menu selection process, our project, MenuVote, directly addresses the diverse dietary preferences and restrictions within the community, leading to higher meal satisfaction and reduced food waste.

Healthier Eating Choices: With the ability to suggest and vote for meal options, the community can influence the inclusion of healthier, more nutritious meals, promoting better eating habits and overall wellness.

Increased Community Engagement: MenuVote fosters a sense of community and belonging by giving everyone a voice in the dining experience, enhancing the communal atmosphere within institutions.

Vendor Accountability and Improvement: The feedback and rating system holds vendors accountable for the quality of their service, encouraging continuous improvement in meal quality and service standards, benefiting not only the immediate community but potentially setting new benchmarks in the food service industry.

Potential Impact & Future Scopes

- **Scalability and Future Development Possibilities**

Integration with Other Systems: MenuVote can be integrated with existing institutional systems for seamless user management and potentially with vendor systems for efficient menu planning and inventory management.

Expansion to Other Markets: While initially focused on institutional settings, the platform can be adapted for use in other contexts, such as corporate offices, residential communities, or public events, where food service is provided.

Advanced Analytics and Personalization: Future developments can include more sophisticated analytics for identifying trends and preferences, as well as personalization features that recommend menu items based on individual user preferences and dietary needs.

Sustainability Features: Incorporating sustainability metrics and feedback can encourage more environmentally friendly dining options, aligning with broader societal goals for sustainability and responsible consumption.In brief, MenuVote has the potential to significantly improve the dining experience in institutional settings, promoting healthier eating, community engagement, and vendor accountability. Its scalable design opens up avenues for broader application and continuous enhancement, making it a versatile tool for transforming communal dining experiences across various contexts.