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BSSE23058

Class Activity 2

Activity Details

Part 1: Introduction

1) Overview of Vision Document and Scope Management

A Vision Document provides a high-level description of a project, capturing the essence of the product, its target users, and its key features. It defines the problem and offers a solution in an abstract and concise manner. Scope management involves planning and controlling the project's goals, ensuring deliverables are achievable within available resources, time, and budget.

2) Briefly explain:

- **Key Aspects of a Vision Document**

Purpose: Describes the product's goals and features.

Audience: Helps developers, management, and marketing teams understand the project.

Scope: Defines what the product will deliver and its target market.

Structure: Includes user description, product features, use cases, and other requirements.

Focus: Stays concise and highlights only essential details for clarity.

- **Scope Management Techniques**

Setting Priorities: Classify features as Critical, Important, or Useful to focus on what matters most.

Effort Estimation: Use rough estimates (High, Medium, Low) to assess the time and resources needed for each feature.

Risk Assessment: Identify and categorize risks that might affect the project's timeline or budget.

Requirements Baseline: Define a fixed set of features for a release and postpone others for future updates.

Customer Engagement: Involve customers in scope decisions to ensure their satisfaction.

Part 2: Case Study Discussion

Scenario:

"A company is developing a food delivery app. Initial scope included advanced features like AI-based delivery predictions, multi-language support, and blockchain integration for payments. However, the project is over-scoped (200% workload with current resources and timeline)."

Task 1: (15 minutes)

1)- Identify critical, important, and useful features for the app using prioritization techniques.

Critical Features:

- Core functionality for browsing restaurants and menus.

- Placing and tracking orders.

- Secure payment integration (standard payment methods).

- User registration and login (basic account management).

Important Features:

- Multi-language support.

- AI-based delivery time predictions.

- User ratings and reviews for restaurants.

- Push notifications for order updates.

2) Discuss how to manage over-scoping by reducing features while keeping the customer satisfied.

Reduction Strategy:

- Focus on delivering all critical features first to ensure a functional MVP (Minimum Viable Product).

- Postpone useful features like blockchain integration and loyalty programs to future releases.

- Include important features only if they can be implemented without impacting the timeline.

Customer Satisfaction:

- Engage customers in the prioritization process to make them feel involved in decision-making.

- Communicate clearly that postponing some features ensures a timely and high-quality initial release.

- Promise future releases that will include postponed features, offering a roadmap for continuous

improvement.

Task 2: (15 minutes)

1)- Develop a rough Vision Document using the template in Slide 10 .

• Include Introduction, User Description, Product Overview, and Key Features.

Introduction:

The Food Delivery App simplifies ordering and delivery with advanced technology and a user-friendly interface.

User Description:

Primary users include customers, delivery personnel, and restaurants, supported by staff and administrators.

Product Overview:

The app connects users for seamless food ordering, delivery, and secure payments.

Feature Attributes:

Features are prioritized into critical, important, and useful categories for phased implementation.

Product Features:

The app includes ordering, tracking, payments, feedback, and AI-enhanced future capabilities.

Exemplary Use Cases:

Customers place orders, drivers manage deliveries, and restaurants handle menus and analytics.

Other Product Requirements:

Scalability, security, and cross-platform compatibility are essential.

Documentation Requirements:

Includes user manuals, FAQs, and technical maintenance guides.

Glossary:

Key terms include AI for predictions, blockchain for secure payments, and order tracking for delivery updates.

2)- Highlight features to be postponed for future releases.

AI Recommendations: Suggestions based on user habits and goals, planned for later.

Wearable Device Support: Sync with fitness trackers, coming in the next phase.