**Question 1:** You're given the following epic: "Implement an AI-powered document processing system." Break this epic down into 3-5 user stories, and provide acceptance criteria for each.

**Ans:**

**User Story 1:** Document Upload and Preprocessing

**Who**: As an upload user,

**What:** I want to upload various document formats (PDF, DOCX, images) to the system

**Why**: So that I can initiate the document processing workflow with ease.

**Acceptance Criteria:**

* The system must accept uploads of multiple file types, including PDF, DOCX, and image files (JPG, PNG).
* The system should display a confirmation message to the user upon successful upload.
* The system must process uploaded files by performing noise reduction and image enhancement.
* If an unsupported file type is uploaded, the system should provide a clear error message specifying acceptable formats.

**User Story 2:** Automated Text Extraction

**Who:** As a user,

**What:** I want the system to extract text automatically from uploaded documents

**Why**: So that I can obtain structured data without manual transcription.

**Acceptance Criteria:**

* The system must accurately extract text from supported document types, including using OCR for image-based documents.
* The extracted text should be displayed to the user in a structured, editable format (e.g., JSON or table view).
* If extraction fails, the system should provide an error message indicating the reason for failure (e.g., "Text extraction unsuccessful due to low resolution").
* Users must have the ability to preview and validate the extracted text before proceeding.

**User Story 3:** Export Processed Data

**Who:** As an export user,

**What:** I want to export the processed data into commonly used file formats

**Why:** So that I can use the data externally for reporting or further analysis.

**Acceptance Criteria:**

* The system should allow users to export extracted and validated data in CSV, JSON, or Excel formats.
* Users must be able to choose specific fields or entities to include in the export.
* Exported files must maintain the structure and accuracy of selected data fields.
* A download link should appear after a successful export, allowing users to download the file directly.

**Question 2:** You have the following features in your backlog:

* Implement multi-factor authentication
* Add a dashboard for document processing analytics
* Integrate with a new cloud storage provider
* Improve system response time
* Add support for a new document type

You can only implement three in the next sprint. Prioritize these features and explain your reasoning.

**Ans: Top 3 Features to Prioritize are**

1. Implement Multi-Factor Authentication

* Value: High – Enhances security, a key concern for users handling sensitive documents.
* Business Impact: High – Reduces risks, meets compliance needs, and strengthens user trust.
* Reason for Priority: Critical for security and customer trust, with strong business impact.

1. Improve System Response Time

* Value: High – Provides a smoother user experience, reduces frustration, and improves workflow.
* Business Impact: High – Increases satisfaction, reduces resource strain, and attracts new users by offering a faster system.
* Reason for Priority: Strong impact on user experience and competitive advantage.

1. Add a Dashboard for Document Processing Analytics

* Value: High – Gives users insights into system usage, performance, and productivity.
* Business Impact: Moderate to High – Differentiates the product, improves satisfaction, and adds valuable data for users.
* Reason for Priority: Adds valuable functionality and insight, boosting satisfaction and retention.

**Question 3:** Stakeholder Communication: Tell us about a time when you had to explain a technical concept to non-technical stakeholders (e.g., managers, clients, or colleagues from different departments). How did you approach this communication? What challenges did you face, and how did you overcome them?

**Ans:**

I came up with an idea to improve the checkout page in our terminal app by adding a feature that allows multiple computer vision scans under one transaction ID. This feature lets users add more items to a single transaction, making the checkout process faster and potentially increasing revenue.

When I explained this to the UX team, who aren’t technical, I used layman’s terms. I described it as "a way for users to add more items at once without starting a new transaction." I avoided technical terms and focused on how it would make things easier for users.

One challenge was helping them see how this would improve both user experience and revenue. To overcome this, I gave examples of how it would create a smoother checkout flow. This approach helped them understand, and they recognized the value in designing a prototype for this new feature.

**Question 4:** Adapting to New Technologies: Describe a situation where you had to quickly learn and adapt to a new technology or tool for a project. What steps did you take to get up to speed? How did you ensure that you understood its implications for the project and the team?

**Ans:** In a recent project, I quickly learned and adapted to the proprietary ecosystem, focusing on both its technology and UI/UX aspects. This tool was crucial for configuring AI self-checkout devices and managing various administrative and operational features for our customers.

Here’s how I approached it:

* Hands-On Configuration: I started by configuring all available features in the Digitkart web portal. This hands-on experience was essential for gaining a solid understanding of the tool and its capabilities. I set up hardware independently, including cameras, barcode scanners, payment devices, weighing scales, and terminal screens. While I initially received guidance, I quickly took ownership of the entire setup.
* End-to-End Management: To ensure comprehensive knowledge, I managed key administrative tasks, such as setting up tenant admin accounts, mapping role permissions, configuring store locations, and managing product items. Each task was tailored to meet specific business requirements, which deepened my understanding of how product supports different business needs.
* Understanding Project and Team Implications: Throughout the process, I focused on how each configuration impacted the project and the team. By understanding the tool’s effect on user experience and workflow, I ensured the setup met both technical requirements and practical usability standards for the team and clients.