**Objective:** Understand the client's vision, target users, and high-level features for the chatbot.

## **Questions and Client's Answers:**

# 1. What is the primary purpose of the chatbot?

Client's Answer: The chatbot will provide users with insights based on images they upload, primarily for educational and e-commerce use cases.

### 2. Who is the target audience for this chatbot?

Client's Answer: Our target users include students, educators, and online shoppers looking for image-based recommendations.

# 3. What types of images will the chatbot be analysing?

*Client's Answer:* It will analyse educational content like diagrams and charts, along with product images for e-commerce.

# 4. **Do you have specific use cases in mind (e.g., e-commerce, healthcare)?** *Client's Answer:* Yes, we are focusing on education (study guides) and e-commerce (product identification).

## 5. What are the key functionalities you want the chatbot to have?

*Client's Answer:* It should analyse images and provide relevant text-based responses. Additionally, it should recommend related resources or products based on the images.

### 6. Should the chatbot support multiple languages?

Client's Answer: Initially, English will suffice, but we would like to explore adding more languages in the future.

### 7. How do you envision the user interface to look and feel?

Client's Answer: A clean, minimal interface with a focus on simplicity. We want the chatbot to be easy to navigate with large, clear buttons for uploading images.

# 8. What existing systems or databases will the chatbot need to integrate with? *Client's Answer:* The chatbot will need to integrate with our existing educational content database and product catalogue for e-commerce.

### 9. What performance metrics will be most important to you?

*Client's Answer:* Accuracy in image recognition, response time, and user satisfaction will be key metrics.

**Objective:** Discuss the core functionality and detailed features the chatbot should have.

### **Questions and Client's Answers:**

1. How should the chatbot process and interpret images?

Client's Answer: It should use AI-powered image recognition to identify objects or text in the image and provide relevant feedback.

2. Do you want the chatbot to provide textual responses based on image analysis?

*Client's Answer:* Yes, it should offer clear, concise textual responses that interpret the image content, such as descriptions or recommendations.

3. Will there be any AI-based recommendations or insights based on the images?

*Client's Answer:* Definitely. For e-commerce, it should recommend similar products. For education, it should link to related study materials or topics.

4. Should the chatbot store the analysed images for future use?

Client's Answer: Yes, but only if the user consents. Stored images should be available for review or reuse in future sessions.

5. How should the chatbot handle user feedback?

*Client's Answer:* Users should be able to rate the accuracy of the responses and provide feedback on any errors or improvements.

- 6. What kind of security or privacy measures are required for the images? Client's Answer: All images should be stored securely and encrypted. We also need to ensure user consent before storing any data.
- 7. Should the chatbot be able to handle multiple users simultaneously? *Client's Answer:* Yes, it should support multiple concurrent users without impacting performance.
- 8. **Do you need real-time or asynchronous interaction for the chatbot?**Client's Answer: Real-time interaction is crucial, especially for e-commerce.

  Users expect instant responses when querying images.
- 9. What are the chatbot's boundaries when interacting with users?

  Client's Answer: It should not make assumptions about sensitive or private data from the images, especially in educational contexts.

**Objective:** Understand technical requirements, including backend, integrations, and Al frameworks.

## **Questions and Client's Answers:**

- 1. What platforms should the chatbot be available on (web, mobile, etc.)? Client's Answer: Both web and mobile platforms. It should be responsive on all devices.
- 2. Do you have a preference for the AI framework or image recognition tool to use?

*Client's Answer*: We're open to suggestions, but we're considering TensorFlow for image recognition.

3. How will the chatbot interface with your existing infrastructure or databases?

Client's Answer: We'll need API integrations with our product catalog and educational resources, with a secure authentication layer.

- 4. Should the chatbot be cloud-hosted or run locally?
  Client's Answer: Cloud-hosted to ensure scalability and easy maintenance.
- 5. What are your performance expectations (response time, load handling)? *Client's Answer:* The response time should be under 2 seconds, and it should handle up to 1,000 concurrent users.
- 6. What level of scalability do you expect from the chatbot? Client's Answer: It should be able to scale as the user base grows, potentially handling up to 10,000 daily active users.
- 7. **Do you want chatbot analytics to track user behaviour?** *Client's Answer:* Yes, we'd like to track metrics such as user engagement, response accuracy, and frequent queries.
- 8. Should the chatbot integrate with other applications (e.g., CRM, CMS)? *Client's Answer:* Yes, integration with our CRM for user management and CMS for managing educational content is necessary.
- 9. **How should updates and maintenance be handled?** *Client's Answer:* Regular updates with minimal downtime, using a continuous integration/continuous deployment (CI/CD) pipeline.

**Objective:** Confirm requirements, discuss future features, and finalize the roadmap.

# **Questions and Client's Answers:**

- 1. Are all the requirements and features discussed so far acceptable to you? *Client's Answer:* Yes, everything seems in line with our expectations.
- 2. Are there any features you would like to prioritize or postpone? *Client's Answer:* We'd like to prioritize real-time image analysis and recommendations. Voice commands can be postponed.
- 3. What are your long-term goals for the chatbot?

Client's Answer: We want it to be a central tool for image-based recommendations across different industries beyond just education and ecommerce.

4. Are there any additional use cases or features you foresee adding in the future?

Client's Answer: We might explore image-based healthcare advice, such as symptom analysis from medical images.

5. How would you like the chatbot to evolve post-launch?

Client's Answer: We expect to regularly update it with new AI capabilities and expand its use in other industries.

6. Do you need any training for your staff on how to manage or update the chatbot?

*Client's Answer:* Yes, a detailed training manual or session for our technical team would be helpful.

7. What kind of testing would you like before the launch?

*Client's Answer:* Thorough beta testing with real users, including stress tests to ensure scalability.

8. How frequently should updates or new features be released?

Client's Answer: Every quarter, with major features rolling out bi-annually.

9. Do you want to involve users in the testing phase?

Client's Answer: Yes, involving key users in beta testing will help improve the final product.

10. Are there any KPIs you'll track to evaluate the chatbot's success?

Client's Answer: User engagement, query response time, and accuracy of image recognition will be our main KPIs.