Meeting Notes: Preliminary Requirements Elicitation for Emotional Surveillance Mobile Application

Date: June 26, 2024
Attendees:
- **Product Owner (PO):** John Smith
- **Project Manager (PM):** Sarah Johnson
- **Developer (Dev):** Mark Lee

Meeting Start Time: 10:00 AM

John (PO): Thank you both for joining this preliminary meeting. I have an exciting idea for a new mobile application. The main goal is to build an emotional surveillance app that analyzes users' emotions through their voice, text, or facial expressions and then provides tailored responses or advertisements based on their emotional state.

Sarah (PM): That sounds intriguing, John. Could you elaborate more on the core functionalities you have in mind?

John (PO): Sure, Sarah. Here are the primary features I envision:

1. **Emotion Detection:**
   - **Voice Analysis:** Using voice modulation and tone to detect emotions like happiness, sadness, anger, etc.
   - **Text Analysis:** Analyzing the sentiment of written text from messages, social media, or notes.
   - **Facial Expression Recognition:** Utilizing the camera to read facial cues and determine emotional states.
2. **Tailored Responses:**
   - Based on the detected emotion, the app will provide appropriate responses. For example, comforting messages if the user is sad or motivational quotes if they are feeling low.
3. **Personalized Advertisements:**
   - Show ads relevant to the user's emotional state. For example, if the user is happy, show ads for celebration-related products like party supplies.

Mark (Dev): Interesting concept. We could use machine learning models for sentiment analysis and facial recognition. Do you have a target audience in mind?

John (PO): The app should be versatile enough to cater to various groups:

- **Children:** With appropriate parental controls and educational content.
- **Adults:** General users looking for emotional support or product recommendations.
- **Disabled Individuals:** Including features for those with hearing or visual impairments, like text-to-speech or voice commands.

Sarah (PM): We should consider the ethical implications and privacy concerns, but let's focus on the functionality for now. Mark, what are the initial technical challenges you foresee?

Mark (Dev):
- **Data Collection:** We'll need diverse datasets for training our models—emotional voice recordings, text datasets, and facial expression images.
- **Real-Time Processing:** Ensuring the app processes inputs quickly and accurately without significant lag.
- **Privacy and Security:** Secure handling of sensitive emotional data to protect user privacy.

John (PO): We could partner with universities or research institutions to obtain some of this data. For privacy, we might implement strong encryption methods and anonymize user data where possible.

Sarah (PM): Good point, John. We should also think about user engagement. How do we keep users interested and coming back to the app?

John (PO): Gamification could be one approach—awarding badges or rewards for regular usage. Additionally, providing useful insights or mood tracking over time can make the app more appealing.

Mark (Dev): Another aspect could be integration with other services or apps. For instance, syncing with a user's calendar to offer emotional check-ins before significant events.

Sarah (PM): All great ideas. For our next steps, we need to:
1. **Market Research:** Understand the demand and existing solutions in the market.
2. **Technical Feasibility:** Outline the technical requirements and initial architecture.
3. **Prototype Development:** Create a basic prototype to demonstrate the core functionality.

John (PO): Agreed. Let's aim to have a follow-up meeting next week to discuss the market research findings and technical feasibility.

Sarah (PM): Sounds like a plan. Thank you, John, for sharing your vision. And Mark, let's start outlining the technical requirements.

Mark (Dev): Will do. Looking forward to it.

Meeting End Time: 10:45 AM

Action Items:
- **John (PO):** Conduct market research and gather initial data sources.
- **Sarah (PM):** Draft a project timeline and milestones.
- **Mark (Dev):** Outline technical requirements and preliminary architecture.

Next Meeting:
- **Date:** July 3, 2024
- **Agenda:** Review market research, discuss technical feasibility, and prototype planning.