

Meeting Notes: Follow-Up Meeting on Emotional Surveillance Mobile Application

Date: July 3, 2024

Attendees:

- **Product Owner (PO):** John Smith
- **Project Manager (PM):** Sarah Johnson
- **Developer (Dev):** Mark Lee

Meeting Start Time: 10:00 AM

Sarah (PM): Good morning, everyone. Let's dive right into our agenda for today. John, could you start by sharing the market research findings?

John (PO): Absolutely. Here's what I found:

1. **Market Demand:** There's a growing interest in mental health and emotional well-being apps. The market for such applications is projected to grow significantly over the next five years.
2. **Competitor Analysis:** While there are apps focusing on meditation, mood tracking, and mental health, few integrate voice, text, and facial expression analysis for emotional surveillance.
3. **User Feedback:** Potential users expressed interest in personalized emotional support. However, they emphasized the need for strong privacy protections.

Sarah (PM): That's promising. Mark, can you update us on the technical feasibility and initial architecture?

Mark (Dev): Sure thing, Sarah. Here's what I've outlined so far:

1. **Technical Stack:**
 - **Voice Analysis:** We can use libraries like Google Cloud Speech-to-Text combined with emotion detection algorithms.
 - **Text Analysis:** Sentiment analysis can be handled using NLP models like BERT or GPT.
 - **Facial Recognition:** OpenCV and deep learning models for emotion detection from facial expressions.
2. **Data Storage and Security:**
 - All data will be encrypted both at rest and in transit.
 - We'll implement anonymization techniques to protect user identities.
3. **Architecture:**
 - **Frontend:** React Native for cross-platform development.

- **Backend:** Node.js with Express.js for the server, and MongoDB for the database.
- **Machine Learning Models:** Deployed on a cloud platform like AWS or Google Cloud for scalability.

John (PO): That sounds solid, Mark. I'm particularly pleased with the encryption and anonymization plans.

Sarah (PM): Great progress, Mark. John, do you have insights from user feedback regarding features they'd like to see?

John (PO): Yes, I do. Users are looking for:

1. **Real-Time Feedback:** Instant responses based on their emotional state.
2. **Mood Tracking:** Historical data on their emotions over time.
3. **Customization:** Ability to customize the type and tone of responses they receive.
4. **Integrations:** Syncing with calendars and other apps to provide timely emotional check-ins.

Mark (Dev): Integrating with other apps might be a bit complex but doable. We'll need to use APIs for services like Google Calendar and perhaps social media platforms.

Sarah (PM): Excellent points. Now, let's talk about the prototype. Mark, how do you propose we proceed?

Mark (Dev): I suggest we start with a basic prototype focusing on:

1. **Voice Analysis:** Basic emotion detection from voice input.
2. **Text Analysis:** Sentiment analysis on text input.
3. **UI/UX Design:** A simple, intuitive interface for users to interact with.

John (PO): That makes sense. We can gather initial user feedback and iteratively improve the prototype.

Sarah (PM): Agreed. We should set a timeline for the prototype development. Mark, how long do you think this will take?

Mark (Dev): If we keep the initial scope limited, we could have a working prototype in about six weeks. That includes development, initial testing, and some UI/UX work.

John (PO): Perfect. Let's aim for that. Meanwhile, I'll start drafting privacy policies and terms of service, focusing on transparency and user consent.

Sarah (PM): Good idea, John. I'll coordinate the project timeline and ensure we stay on track. Mark, I'll need regular updates on your progress.

Mark (Dev): Absolutely. I'll set up a shared project board to track tasks and milestones.

Sarah (PM): Excellent. Let's reconvene in two weeks to review the progress. Is there anything else before we wrap up?

John (PO): Nothing from my side. Looking forward to seeing the prototype.

Mark (Dev): All set. I'll get started on the development.

Meeting End Time: 10:45 AM

Action Items:

- **John (PO):** Draft privacy policies and terms of service.
- **Sarah (PM):** Coordinate project timeline and track milestones.
- **Mark (Dev):** Begin prototype development focusing on voice and text analysis.

Next Meeting:

- **Date:** July 17, 2024
- **Agenda:** Review prototype development progress and initial feedback.