CLIENT MEETING REPORT

PROJECT: SPOTIFY MUSIC RECOMMENDATION BASED ON MOOD DETECTION USING WEBCAM

CLIENT MEETING REPORT-1:

AGENDA:

1. Understand project goals and objectives.
2. Clarify the basic functionality expected from the application.
3. Discuss technical requirements.

QUESTIONS & ANSWERS:

1. **Q**: What is the primary goal of this project?

   A: To develop an application that recommends songs based on the user's mood, detected via webcam.

2. **Q**: What platforms would you like the application to run on (e.g., web, desktop, mobile)? **A**: It should primarily work as a desktop application, but a web version would be ideal in the future.

3. **Q**: Do you have any specific genres of music or songs in mind for mood-based recommendations?

   A: No specific genres, but the recommendations should be mood-appropriate, drawing from Spotify's vast music library.

4. **Q**: What kind of moods would you like the system to detect?

   A: Emotions like happiness, sadness, anger, fear, surprise, and neutral.

5. **Q**: Are there any additional features you'd like the application to have?

   A: Yes, an option for users to manually select or override the detected mood.

6. **Q**: How should the mood detection process work in real time? **A**: The webcam should constantly detect the user's facial expressions, and after capturing a certain duration, a mood should be displayed.

7. **Q**: Do you have any preferred machine learning models for mood detection? **A**: I'm open to suggestions. However, I've heard about FER (Facial Emotion Recognition) models being effective.

8. **Q**: Are there any performance expectations in terms of response time for detecting moods and recommending music?

   A: The mood detection should happen in real time, and the music recommendation should happen almost instantly.

9. **Q**: How should users interact with Spotify through this application?

   A: Users should be able to connect their Spotify account and receive music suggestions directly from there.

10. **Q**: Will users need to control playback (e.g., play/pause/skip) through the app?

    A: Yes, controlling basic playback would be a useful feature.

CLIENT MEETING REPORT-2:

AGENDA:

1. Present the proposed architecture for the project.
2. Finalize the technology stack.
3. Discuss integration between mood detection and Spotify.

QUESTIONS & ANSWERS:

1. **Q**: What programming language would you prefer the project to be developed in? **A**: Python seems like a good choice due to its libraries for machine learning and emotion detection.

2. **Q**: Have you used or explored any Spotify API previously? **A**: No, but I would like to see a demo on how it works.

3. **Q**: How do you want to handle Spotify login and user authorization?

   A: The user should log in via Spotify, and the app should request the necessary permissions for music recommendations.

4. **Q**: Are there any specific privacy concerns we should account for in terms of webcam data?

   A: Yes, the app should not save or store any video data from the webcam.

5. **Q**: How frequently should the webcam capture moods?

   A: It should capture and analyze emotions every 10 seconds and then make a recommendation.

6. **Q**: Do you want to include a fallback mechanism if no face is detected? **A**: Yes, if no face is detected, it should prompt the user to ensure the camera is functioning.

7. **Q**: Are there any mood-specific playlists or song suggestions you want the system to have?

   A: No specific playlists, but it should pull from popular, mood-appropriate tracks on Spotify.

8. **Q**: What level of customization do you want for the UI?

   A: A clean, minimalistic UI with clear buttons for start/stop and playlist suggestions is enough for now.

9. **Q**: Should the app allow multiple users to use it, or just one account at a time? **A**: One account at a time is fine.

10. **Q**: What should happen if the Spotify account is not linked properly?

    A: The app should display an error and ask the user to try linking their account again.

CLIENT MEETING REPORT-3:

AGENDA:

1. Present the first prototype for mood detection and Spotify integration.
2. Gather feedback and suggestions for improvement.

QUESTIONS & ANSWERS:

1. **Q**: Were you able to test the facial emotion detection? How was the experience? **A**: Yes, it worked quite well. It captured my mood quickly, but sometimes misread certain expressions.

2. **Q**: How was the integration with Spotify? **A**: The integration was smooth, but the song recommendations sometimes didn't match the detected mood.

3. **Q**: Do you want to adjust the detection window (e.g., reduce or increase the time)?

   A: Yes, reducing the time to 5 seconds would make the application more responsive.

4. **Q**: Are there any issues with the user interface? **A**: The UI is simple and easy to use, but I'd prefer the mood label and song suggestion to be more prominently displayed.

5. **Q**: Do you want the ability to manually select moods from the UI in case of misreads? **A**: Yes, that would be helpful, especially if mood detection is inaccurate.

6. **Q**: Do you want to see more song options rather than just one suggestion?

   A: Yes, a list of 3-5 songs would be better than a single suggestion.

7. **Q**: How was the webcam performance on your system?

   A: The webcam worked well, but on a slower system, it struggled a bit.

8. **Q**: Are there any performance optimizations you'd like to see? **A**: Faster processing of the video feed would be ideal.

9. **Q**: Would you like a log of detected moods for future analysis?

   A: Not now, but it could be an interesting feature for a future release.

10. **Q**: Is there any other feedback you'd like to provide on the prototype? **A**: The app is heading in the right direction. I'd just like to see the song recommendations improved.

CLIENT MEETING REPORT-4:

AGENDA:

1. Present the final version of the application.

2. Verify that all feedback from previous meetings has been addressed.
3. Discuss deployment and future updates.

QUESTIONS & ANSWERS:

1. **Q:** Is the final mood detection system working as expected?

   A: Yes, it's much faster now, and the results are more accurate.

2. **Q:** Are the song recommendations more aligned with the detected moods?

   A: Yes, the recommendations are much better and match the mood quite well.

3. **Q:** How is the performance on slower systems now?

   A: Performance has improved significantly. It runs smoothly on all tested systems.

4. **Q:** Are there any outstanding issues with the Spotify integration?

   A: No, the integration works as expected, and the OAuth process is smooth.

5. **Q:** How do you feel about the UI?

   A: The UI is simple and intuitive. It meets our needs for the current phase.

6. **Q:** Do you want any final changes before deployment?

   A: No major changes, just some tweaks to the button placements for better accessibility.

7. **Q:** Should the app be deployed now, or do you want further testing?

   A: We can go ahead and deploy it. We'll handle further testing during the beta phase.

8. **Q:** Would you like to schedule any future meetings to discuss new features or updates?

   A: Yes, let's have a follow-up after a month of user feedback.

9. **Q:** Are there any features you'd like to add in future versions?

   A: I'm thinking of a playlist generation feature based on multiple moods.

10. **Q:** How do you feel about the overall project outcome?

    A: I'm very satisfied with the project. It exceeded my expectations.