GROUP PROJECT-Group 1

Bart the mood-based bartender

Danyal Mirza, Walter Levens, Linnea Soto Carlsson, Adrià Irigaray Pola

Context:

1. Elevator Pitch:

Meet **Bart**, the mood-based bartender who understands your emotions and suggests the perfect cocktail to match your vibe.

2. Objectives:

People might have a hard time choosing from all the available drinks/cocktails, this mood-based bartender will recommend cocktails by:

- Read the client's emotional state.
- Come up with recommendations according to said state.
- Take client preferences into account.
- Have the questioning be a pleasant conversation.

3. Deliverables:

- Link to repository
- Presentation
- Video demonstration
- Project report

4. Success Metrics:

We will use a SCRUM-board, where we have tickets for every task and during the sprint planning meeting decide how much time each ticket should take. We will also have weekly meetings to keep track of the progress.

5. **Potential Issues:**
    - Not giving correct recommendations if they are selected via AI.
    - Not reading emotions correctly
    - Lagging in real time processing of emotion
    - Trouble dealing with multiple customers at the same time
    - Translating all emotions into LLM prompts might be tricky

Project Breakdown:

- Start with facial recognition using py-feat - Linnéa, Danyal **Deadline: Dec 9**
- Make furhat follow faces - Adrià, Walter **Deadline: Dec 18**
- Use machine-learning model from lab 2 to recognize emotions - Whoever gets best results on Lab 2 **Deadline: Dec 9**
- Integrate LLM to allow conversation with furhat - Danyal, Linnea **Deadline: Dec 18**
- Transform emotions and client preferences into prompts - Walter, Adrià **Deadline: Dec 18**
- Writing report - Everyone **Deadline: Jan 15**
- Creating presentation - Everyone **Deadline: Jan 15**
- Recording demo video -Everyone **Deadline: Jan 15**