

# Augmented Reality (AR) Feelings Thermometer for children with Attention Deficit Disorder (ADHD)

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### Background

ADHD stands for attention deficit hyperactivity disorder. It is a medical condition. A person with ADHD has differences in brain development and brain activity that affect attention, the ability to sit still, and self-control. Research shows that just identifying a calming activity can reduce anxiety. Being aware of children's feelings is the first step!

### Project

The Feelings Thermometer is a visual tool that helps children measure how they are doing emotionally and what steps they can take to shift their mood when things are getting tough.

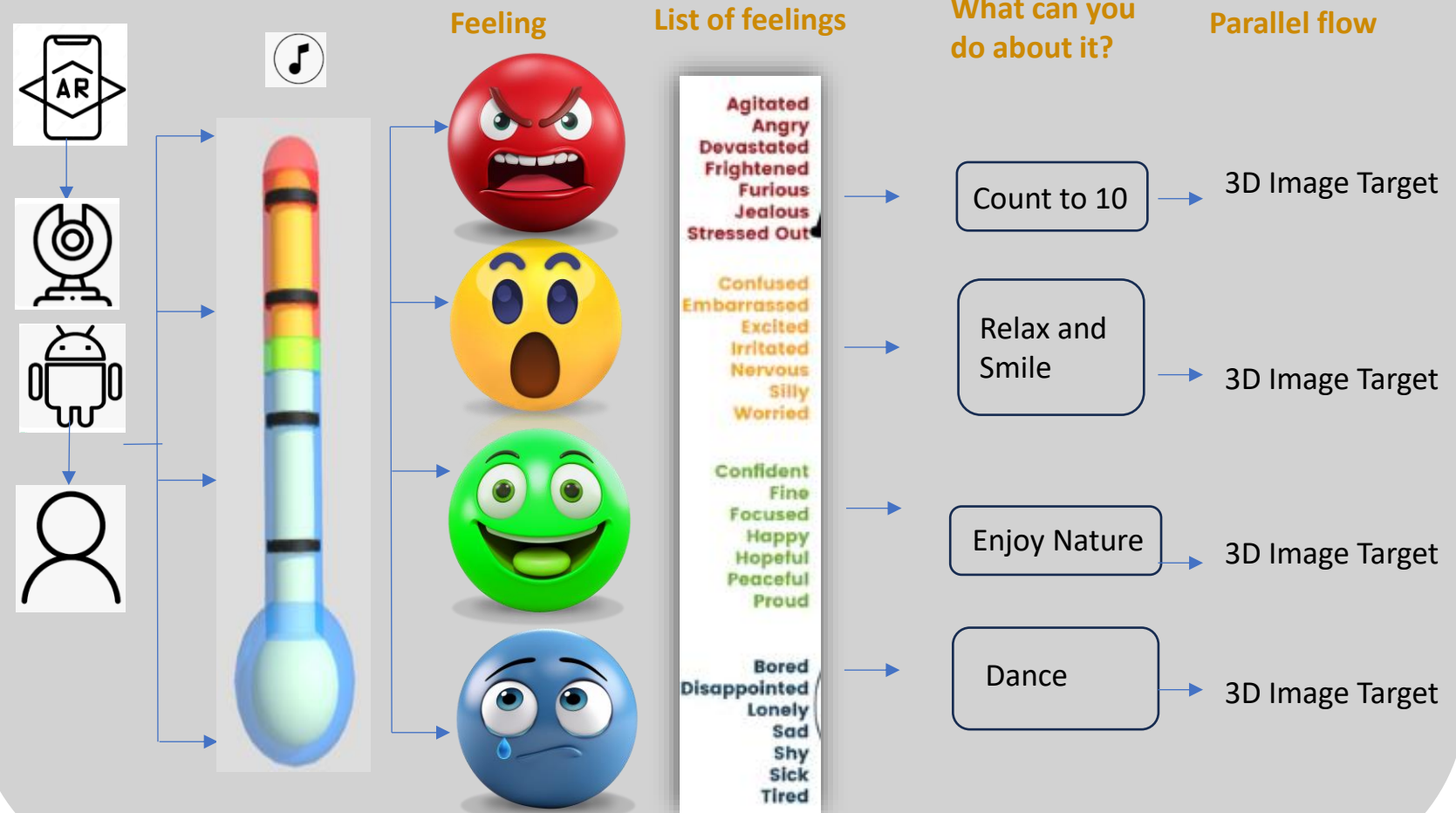
### XR AR - Project Prototype

Using Augmented Reality (AR) for Webcam, a user (child between ages of 6 to 12 years old) can identify how they are feeling at the moment, by selecting an image of a feeling, view a list of names for the selected feeling and identify healthy behaviors such as counting to 10, think of a peaceful place, take fresh air and get a hug. Additionally, be able to listen to music and view videos to find mood stability.

### Functionalities used

- Image Targets for markers
- 3D models
- Animation
- Multi-target Image Tracking

## AR - Feelings Thermometer for children with ADHD



# Minimum Viable Product (MVP)

1. User Interface (UI): Develop an intuitive and user-friendly interface that allows children age 6 to 12 years old to easily navigate through the app and access its features.
2. AR Integration: Incorporate AR technology into the app to provide users with an enhanced and interactive experience. This includes features like object recognition, tracking, and overlaying digital content onto the real world.
3. Task Visualization: Provide visual representations of tasks and steps within the AR environment. This include 3D models or animations.
4. Offline Functionality: Ensure that the app can work with Webcam

Thank you