<u>Title of prototype</u>

YAADHUM

(everything)

<u>Team name</u>: H2O

<u>Names</u>

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Introduction

Problem Statement:

In today's fast-evolving world, traditional toys and games often fall short of addressing the diverse needs of children across different age groups, backgrounds, and abilities. The challenge is to conceptualize and develop unique, innovative toys or games that not only entertain but also inspire creativity, learning, social interaction, and inclusivity. The game developed should focus on fostering emotional intelligence, promoting sustainability, and ensuring inclusivity.

Solution:

- Having different sets of games for each age
- Ensuring the game is accessible to children with disabilities (visual impairments, hearing difficulties, mobility challenges).
- Icon Arrangement: Create intuitive and customizable icon layouts for easy navigation.
- Voice Commands: Implement voice command functionality for differently abled
- Balancing entertainment with educational content can be challenging.
- Use storytelling techniques and interactive elements to integrate educational content seamlessly into gameplay

Motivation

The primary motivation for addressing the challenges faced by today's children, those with disabilities, is to empower them to grow into strong, ethical adults. By focusing on developing their emotional intelligence, problem-solving skills, and environmental responsibility, we aim to equip them with the tools they need to navigate life's complexities confidently.

Reason

In today's fast-paced and digitally-driven world, children are confronted with unprecedented challenges that significantly impact their emotional and cognitive development.
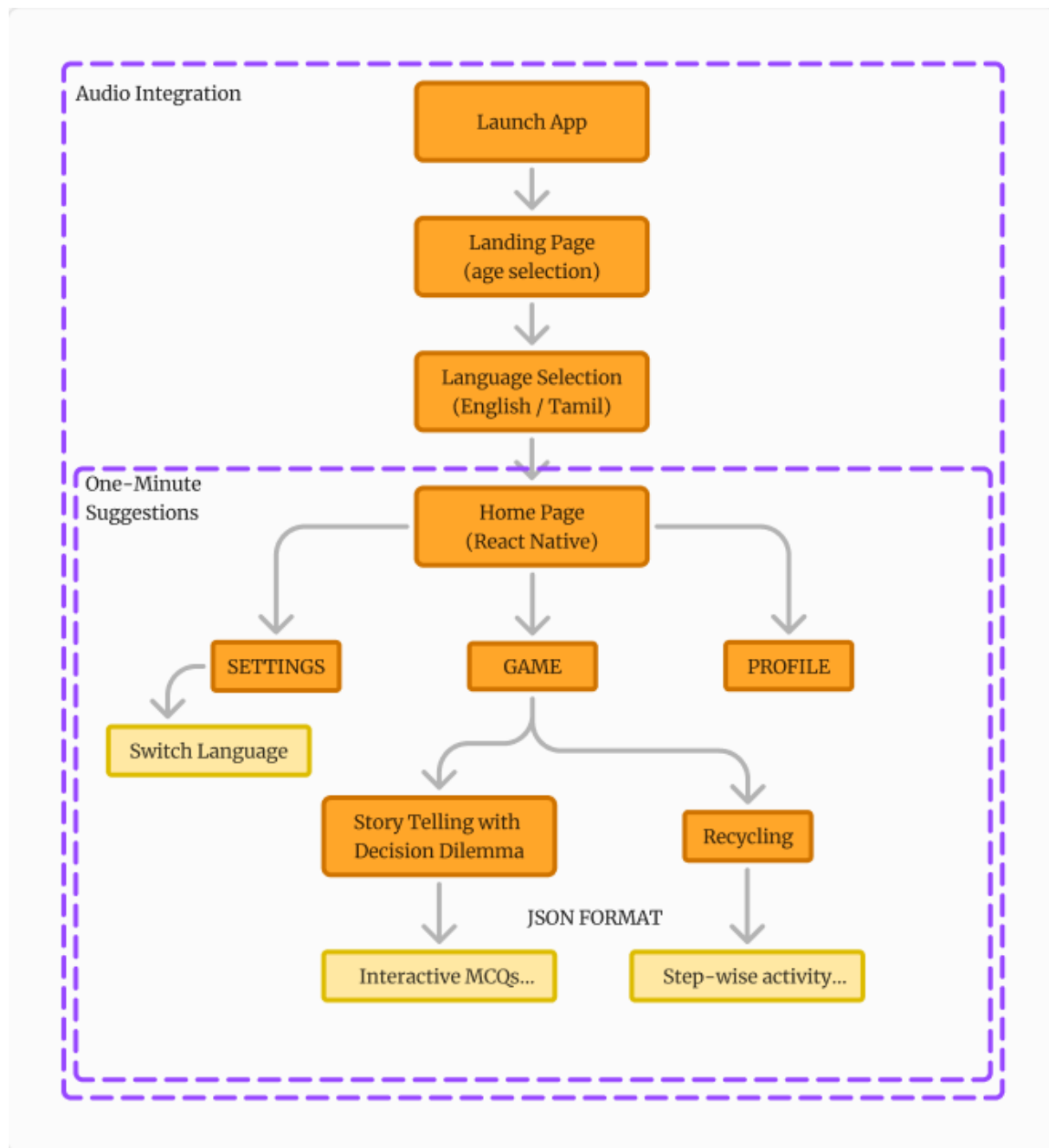
The rise of social media, constant connectivity, and information overload can lead to

- Anxiety
- low self-esteem
- difficulties in forming genuine connections

Research indicates that children often struggle with emotional regulation and resilience, highlighting the need for proactive interventions.

By nurturing their cognitive abilities and emotional strength, we can help them make positive choices, resist peer pressure, and avoid harmful behaviours, ultimately fostering a generation committed to making a meaningful impact in the world.
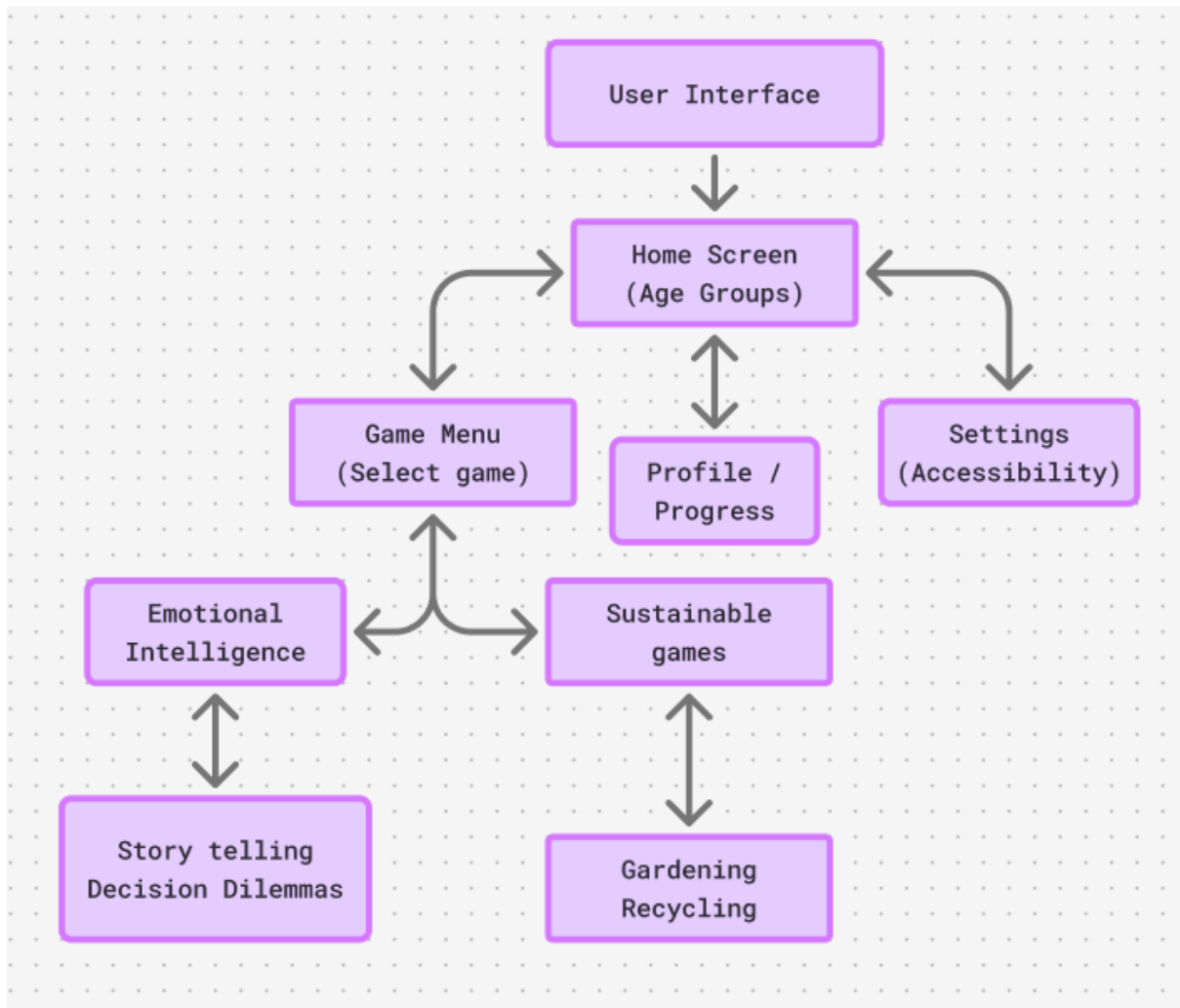
Architecture diagram

Tech stacks

- Frontend - React Native
- Backend - MongoDB
- Framework – flask

Flow diagram

Challenges and Future scope

- To keep material interesting and engaging, constantly adding new games and narratives on a regular basis. Seasonal updates should also be in step with current affairs.
- To make the game more accessible and reach a wider audience, add support for additional languages.
- Use Unity to create the game, which enables cross-platform compatibility, excellent graphics, and more intricate and dynamic game mechanics.
- Establish a secure online community where members may exchange accomplishments and experiences, as well as discussion boards for parents to discuss teaching methods.
- Use augmented reality (AR) components to improve learning and engagement through immersive experiences pertaining to emotional intelligence and sustainability.