Cover page

Project title: **Quran sensoryREADY application** Academic Year: **2024/2025**

Group Members: **Mai Salameh** Department Name: **Computer Engineering**

Fatina Al Taher

Project Type Software

Supervisor Name: **Samer Arandi & Abdallah Rashed**

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
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- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**

Project's Abstract:

SensoryREADY is an educational technological tool designed to help teachers, therapists, and parents communicate more efficiently and enhance the delivery of information and knowledge to children between 3 and 12 years old. Currently, there are 10,000 students across 650+ preschools, primary schools, centres and homes that are using it on a daily basis.

The sensoryREADY relies on a unique model of communication: Controller, Receiver and User. The controller is the main input device through which the user interacts with the system. The Receiver is the main computation unit and output device.

The Quran application is a sensoryREADY application that helps children (and adults) to recite and memories the Quran.

The **Quran** app utilizes the interaction model of the sensoryREADY. User is able to choose Surah, Ayah, or specific word to recite. The Receiver shows the Surah, Ayah and recites it. User is able to change the voice/reciter and control options using the Controller.

The application offers the following features:

<u>Level 1 features</u>

- Madani-compliant script.
- Audio playback for Surah, Ayah or a word (if the reciter library allows).
- Multiple recitations—at least including:
  - Mahmoud Khalil Al-Husary – Muallim.
  - Mohamed Siddiq al-Minshawi - Kids repeat.
  - Mishari Rashid Al-`Afasy.
- Customizable repeat
  User is able to highlight an Ayah or more to repeat once or multiple times.

<u>Level 2 features</u>

- Show tafseer of Surah or Ayah in the available ones.
- Translation in multiple languages.
- Progression report.

<u>Level 3 features</u>

- Make Surah available offline.
- Multiple recitations: Warsh, Hafs.
- AI-voice corrections: user is able to record his recitation, and application will clarify the correct pronunciation or mistakes.
- Recitation goals.