2. System Requirements

**2.1 Functional Requirements**

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| **No.** | **Priority Weight** | **Description** |
| 1. |  | Upon opening the application, the user shall be directed to the *Home* page. |
| 2. |  | Upon selecting the ‘PLAY’ button on the *Home* page, the user shall be directed to the *Select Age* page. |
| 3. |  | Upon selecting either the ‘3-5YRS’ button or the ‘5-7YRS’ button on the *Select Age* page, the user shall be directed to the *Select Level* page. |
| 4. |  | Upon selecting the ‘LEVEL 1’ button, the ‘LEVEL 2’ button, or the ‘LEVEL 3’ button on the *Select Level* page, the user shall be directed to the *Quiz* page corresponding to the user’s selected age group and level. |
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|  |  | Upon selecting the ‘SOUND: ON’ button on the *Home* page, the sound shall turn off and the text on the button shall change to ‘SOUND: OFF’. If the text on the button reads ‘SOUND: OFF’ and the user selects it, the sound shall turn on and the text on the button shall change back to ‘SOUND: ON’. |
|  |  | Upon selecting the ‘HIGHSCORES’ button on the *Home* page, the user shall be directed to the *High Scores* page. |
|  |  | Upon selecting the ‘EXIT’ button in the *Home* page, the application shall close. |

**2.2 Non-functional Requirements**

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| **No.** | **Priority Weight** | **Description** |
| 1. |  | The application shall consist of the following web pages: *Home, Select Age, Select Level, Quiz, Results,* and *High Scores.* |
| 2. |  | The *Home* page shall consist of the application logo at the top of the page with four buttons labelled as ‘PLAY’, ‘SOUND: ON’, ‘HIGHSCORES’, and ‘EXIT’ below it. The logo and the buttons shall all be aligned along the vertical centre. |
| 3. |  | Music shall play throughout the application while the ‘SOUND: ON’ button is toggled on. |
| 4. |  | The *Select Age* page shall consist of the application logo at the top of the page with a text view instructing the user to select their age group below it. Below the text view shall be a button labelled as ‘3-5YRS’ followed by another button labelled ‘5-7YRS’. The logo, text view, and buttons shall all be aligned along the vertical centre. |
| 5. |  | The *Select Level* page shall consist of the application logo at the top of the page with three buttons labelled as ‘LEVEL 1’, ‘LEVEL 2’, and ‘LEVEL 3’ below it. The logo and the buttons shall all be aligned along the vertical centre. |
| 6. |  | Upon first use of the application, only the ‘LEVEL 1’ button shall be enabled. Completing ‘LEVEL 1’ successfully shall enable the ‘LEVEL 2’ button and completing ‘LEVEL 2’ successfully shall enable the ‘LEVEL 3’ button. |
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