**A document with text and images

Description automatically generated with medium confidenceAppendix A EVALUATION INSTRUMENT**

**Appendix B**

**A screenshot of a computer

Description automatically generatedSAMPLE ANSWERED EVALUATION SHEET**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Appendix C**

**SUMMARY OF RESPONDENTS’ EVALUATION**

A screenshot of a computer

Description automatically generated

**Appendix D**

**TEST CASES FOR FUNCTIONAL SUITABILITY**

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-USE-FUN-001** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Sign Up Process**  **Login** | 1. Open a web browser (Chrome, Opera GX, Microsoft Edge, Mozilla Firefox. 2. Paste the link of the system 3. Click the button ‘register’ 4. Input school id, name and other information and username/password 5. Click create account 6. Verify account 7. Click login button 8. Input the username and password 9. Click the login button | The user successfully created an account that he/she can use to sign-in using the system. The user can use the different functionalities in the home screen like the letter page, reading material, practice page and menu. |
| **Status:** | **PASSED** |  |

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-ADM-FUN-002** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Login Admin** | 1. Go to the login page. 2. Click the “Select type use” then click admin. 3. Click the login button. | The admin was redirected to the leaderboards. |
| **Status:** | **PASSED** |  |

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-USE-FUN-003** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Reading Materials**    **Letter Page** | 1. Click the reading material page button. 2. Choose a letter/word. 3. Read and listen to audio visual phonetic reading      1. Click a letter to start the game. 2. Read and listen 3. Record the pronunciation using a microphone, record spelling using a microphone, click a letter balloon to spell out the phonetic word, identify the letter phonetic word, type and arrange the jumbled letters. 4. Gain a star and store in the user profile. | The user has the ability to access reading materials sorted by different word families, enhancing the users’ language learning experience.  When the user clicked the chosen letter, the game started. The user presented a picture accompanied by its pronunciation by clicking the speaker icon. The user needed to click the mic button to speak the given word. The user proceeds to the next game.  In order to spell the word, users must click on the correct individual letter balloon. The user proceeds to the next game. The user provided an image that needed to have the letters spoken properly. The user proceeds to the next game. In this game, the user must sort the word's scrambled letters into the correct sequence. |
| **Status:** | **PASSED** |  |

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-USE-FUN-004** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Navigation** | 1. Click on each navigation button: Reading material, practice page and menu. 2. Navigate back to the letter page. | When the user clicked on the reading material icon, the user was redirected to the reading material section, where they could access a variety of words. that is sorted by different word families.  When the user clicked on the practice page icon, the user was redirected to the practice page where it consisted of practice contents.  When the user hovers it to the menu icon, it has 3 choices. Profile, Leaderboards and Sign Out.  When the user clicked the profile, the user was redirected to his/her profile that consists of his/her information and his/her stars.  When the user clicked on the leaderboards, the user was redirected to the leaderboard section, where they could see the rankings of students who use the system.  When the user clicked 'sign out,' they will be directed back to the login page. |
| **Status:** | **PASSED** |  |

**Appendix E**

**TEST CASES FOR SECURITY**

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-USE-SEC-001** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Login Authentication**  **Password Strength** | 1. Attempt to login invalid credentials. 2. Attempt to login valid credentials.      1. Attempt to set a weak password | The user received “invalid credentials” for signing up with wrong credentials  The user proceeded to the home screen/letter page by using valid credentials.  The user received “password is too weak” when entering a password below 8 characters. |
| **Status:** | **PASSED** |  |

|  |  |  |
| --- | --- | --- |
| **Test Case ID:** | **ELVALWPR-ADM-SEC-001** |  |
| **Test Case** | **Steps Undertaken** | **Observed Results** |
| **Login Authentication Admin** | 1. Attempt to login invalid credentials. | The user received “invalid credentials” for signing up with wrong credentials in the admin user type. |
| **Status:** | **PASSED** |  |

**RESEARCHER’S PROFIE**

A person in a suit and tie

Description automatically generated

A person in a suit and tie

Description automatically generated

A person in a suit and tie

Description automatically generated

A person in a suit

Description automatically generated