Json package:

JsonProcesser (pulblic)

Class that will handle the programs Json related work, including the loading/saving of the files.

* Public LinkedList<WelshDictionary> load(File dictionaryFile);
* Public void save(File dictionaryFile, LinkedList<WelshDictionary> words);

WelshDirectonary(public)

Class that will hold each words definition with all the necessary fields.

* Public WelshDictionary();
* Public WelshDictionary(String english, String welsh, String wordType, Boolean practiceWord);
* Public String getWelsh();
* Public String getEnglish();
* Public String getWordType();
* Public boolean isPracticeWord();
* Public void setWelsh(String welsh);
* Public void setEnglish(String english);
* Public setWordType(String wordType);
* Public void setPracticeWord(boolean practiceWord);
* @Override Public boolean equals(Object obj);
* @Override Public int compareTo(Object obj);

Self-Assessment package:

Test(public)

Abstract class that holds general information such as each questions possible answers and also the correct answer.

* Public boolean checkAnswer(String answer);
* Public LinkedList<WelshDictionary> getPossibleAnswers();

AssessmentGenerator extends Test(public)

* Public LinkedList<Question> generateAssessment(LinkedList<DictionaryTest> words);

WordEnterTest extends Test(public)

* Public WordEnterTest (WelshDictionary correctAnswer);

WordMatchTest extends Test(public)

* Public WordMatchTest (DictionaryTest[4] correctAnswers, LinkedList<DictionaryTest> dictionary);
* Public WordMatchTest (DictionaryTest[4] correctAnswers, LinkedList<DictionaryTest> dictionary);

SixMeaningTest extends Test(public)

* Public SixMeaningTest (DictionaryTest correctAnswer, LinkedList<DictionaryTest> dictionary);

JavaFx package:

Application(public)

Programs main class where the program will start from. This class will also hold the programs dictionary definitions.

* Main() – runs app.

SharedCodeController(public)

Abstract class that will hold all of the repeated information between controllers including common FXML elements that will be derived by the controllers. This could include the sliding menu options and user test scores.

ScreenSwitch extends SharedCodeController(public)

LaunchScreenController extends SharedCodeController(public)

PracticeListScreenController extends SharedCodeController(public)

FlashcardScreenController extends SharedCodeController(public)

TestSelectionScreenController extends SharedCodeController(public)

SixMeaningsTestScreenController extends SharedCodeController(public)

WordEnterTestScreenController extends SharedCodeController(public)

WordMatchTestScreenCOntroler extends SharedCodeController(public)

AddwordScreenController extends SharedCodeController(public)

Test package:

Not ready