Json package:

JsonProcesser (pulblic)

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

* fileLoad(file) – load file with dictionary
* fileSave(file) – save file with dictionary

WelshDirectonary(public)

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

* getEnglishWord(String)
* setEnglishWord(String)
* getWelshWord(String)
* setWelshWord(String)

-list of methods

Self-Assessment package:

Test(public)

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

* runTest(int/string) – run a specific test
* getRandomWordFromDict() – getting random word form dictionary.

TestGenerator extends Test(public)

* generateTest() – generates variety of questions

WordEnterTest extends Test(public)

* checkAnswer(string) – checks if given answer is correct.

-list of methods

WordMatchTest extends Test(public)

* checkAnswer(string) – checks if given answer is correct.

-list of methods

SixMeaningTest extends Test(public)

* checkAnswer(string) – checks if given answer is correct.

-list of methods

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.

* displayScore() – Displays score.
* drawScreen() – Draw screen for the user.

ScreenSwitch extends SharedCodeController(public)

* switchScreen(int/string) – switches scren

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)

* addWordScene()

Test package:

Not ready