COEN 160 Final Project UML

Note that this UML only reflects those components used directly by the "project.scm" file, rather than representing the entire interpreter.

Project

Pseudo-class representation of "project.scm" (more on this in "REPORT.md")

- String getRandomLetter() <<static>>
- boolean hasVowel(String str) <<static>>
- String getRandomLetters() <<static>>
- String getInput(int currentScore) <<static>>
- boolean validLetters(String currentLetters, String word) <<static>>
- boolean newWord(String[] seenWords, String word) <<static>>
- boolean validWord(String currentLetters, String[] seenWords, String word)
 <<static>>
- + void launchGame() <<static>>

Primitive.Coen160Project

Wrapper class holding the Java primitives supporting "project.scm"

- JTextField usableLettersField <<static>>
- JTextField currentScoreField <<static>>
- JTextField userWordInputField <<static>>
- SyncedFields fields <<static>>

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Wrapper class holding fields shared between the GUI & Scheme threads

- boolean resetSession
- String inputWord
- + void setResetSession(boolean value) <<synchronized>>
- + boolean getResetSession() <<synchronized>>
- + void setInputWord(String value) <<synchronized>>
- + String getInputWord() <<synchronized>>

+ GuiGetInput <<static>>

+ Type.Datum callWith(Type.Environment currentEnv,
java.util.ArrayList<Type.Datum> parameters) <<three Exception>></three</tr>

+ GuiLaunchSession <<static>>

+ Type.Datum callWith(Type.Environment currentEnv,
java.util.ArrayList<Type.Datum> parameters) <<three Exception>></three</tr>

+ GuiLaunchWindow <<static>>

+ Type.Datum callWith(Type.Environment currentEnv,
java.util.ArrayList<Type.Datum> parameters) <<three Exception>></three</tr>

+ DictionaryIsValidWord <<static>>

+ boolean isWord(String word) <<static>>

+ Type.Datum callWith(Type.Environment currentEnv,
java.util.ArrayList<Type.Datum> parameters) <<three Exception>></three</tr>

Type.Primitive

Functional interface for all Java primitives to implement for access in the Scheme runtime

+ Type.Datum callWith(Type.Environment currentEnv, java.util.ArrayList<Type.Datum>parameters) <<throws Exception>>