

Crossword
+ board: String[][] + size: int + numWords: int + answers: String[][] + PositionedWord: wordList[] + name: String + Clues: String
+ void insert(PositionedWord) + boolean checkAnswers() + boolean set(int, int, String) + void printClues() + void printAnswers() + void generateBoard() + void printBoard()

PositionedWord
pos: CrosswordPosition
+ PositionedWord copy() + CrosswordPosition getPos()

Word
- final Word: String - final Length: int - final WORDAR: String
+ String getWord() + String[] getArray() + int getLength() + String getLetter() + int[] getLetterPos(String) + String[] getCommonLetters(Word)

CrosswordBuilder
none
+ static boolean collides(Crossword, PositionedWord) + static boolean hasAdjacentWords(Crossword, PositionedWord) + static CrosswordPosition[] getInsertionSites(Crossword, Word) + static ArrayList<Word> insert(Crossword, Word[]) + static Word[] getWords(String) + static String getClues(String) + static Crossword generateFromFile(String)

CrosswordPosition
- xcor, ycor, length, direction: int + static final ACROSS, DOWN: int
+ int getLength() + int getX() + int getY() + int getDirection() + int getDirection() + void setX(int) + void setY(int) + void setDirection(int) + void setLength(int) + CrosswordPosition copy()

CrosswordDriver
+ cw: Crossword
+ void play() + void printBoard() + boolean setAnswer() + void setMultiple() + void showClues() + void keyword(String s) + void showAnswers() + boolean checkCrossword()

ClueBank
+ CluesAccross: ArrayList<String> + CluiesDown: ArrayList<String>
+ void addClue(String, String) + void removeclue(String, int) + String getClues() + String getClues(String)

Woo
none
+ static void main(String[] args)