

Enlightened Lamps

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APCS pd 1

HW62-- Pointing Your Rocket Skyward

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## Crossword Engine 5000

Crossword
<ul style="list-style-type: none"><li>- answers: String[][]</li><li>- board: String[][]</li><li>- name: String</li><li>- clues: ClueBank</li></ul>
<ul style="list-style-type: none"><li>+ String getBoard()</li><li>+ void insert(CrosswordPoint, Word)</li><li>+ void setAnswer(CrosswordPoint, Word)</li><li>+ void setClues(ClueBank)</li><li>+ String getClues()</li></ul>

Word
<ul style="list-style-type: none"><li>- word: String</li><li>- length: int</li><li>- wordAr: String[]</li></ul>
<ul style="list-style-type: none"><li>+ String getWord()</li><li>+ int[] getCommonLetterPos(Word)</li><li>+ int getLength()</li></ul>

CrossWordBuilder
none
<ul style="list-style-type: none"><li>+ Static CluePosition[] getInsertionSites(Word, Crossword)</li><li>+ Static Word[] getWords(File)</li><li>+ Static ClueBank getClues(File)</li><li>+ Static Crossword generateFromWordList(File)</li><li>+ Static Crossword convertFromFile(File)</li></ul>

ClueBank
<ul style="list-style-type: none"><li>- CluesAcross: ArrayList&lt;String&gt;</li><li>- CluesDown: ArrayList&lt;String&gt;</li></ul>
<ul style="list-style-type: none"><li>+ void addClue(String, String)</li><li>+ void removeClue(String, int)</li><li>+ String getClues()</li><li>+ String getClues(String)</li></ul>

CrosswordDriver
<ul style="list-style-type: none"><li>- cw: Crossword</li></ul>
<ul style="list-style-type: none"><li>+ void printBoard()</li><li>+ void setAnswer()</li><li>+ void showClues(String)</li><li>+ void keyword(String)</li><li>+ boolean checkAnswer()</li><li>+ boolean checkCrossword()</li></ul>

CrosswordPosition
<ul style="list-style-type: none"><li>- Direction: String</li><li>- Length: int</li><li>- xcor: int</li><li>- ycor: int</li></ul>
<ul style="list-style-type: none"><li>+ int getLength()</li><li>+ int getX()</li><li>+ int getY()</li><li>+ String getDirection()</li></ul>