Queens College
Computer Science Department

CS 212 – Spring 2022 – Project 1

Assigned: 6 March 2022
Due: 18 March 2022
Cutoff: 23 March 2022

Write a main application called Project1.java, and a GUI (that extends JFrame) called WordGUI.java. The main program should open a file called "input.txt" which will contain words, one per line. As the words are read from the file, they should be displayed in the GUI as follows:

   The GUI should have a grid layout of two rows (row 0 and row 1) and three columns (column 0, 1 and 2). All words that start with an 'A' or 'a' should be displayed in row 0, column 0. All words that start with an 'E' or 'e' should be displayed in row 0, column 1. Likewise for words starting with 'I' or 'I' in row 0 column 2, with 'O' or'o' in row 1 column 0, with 'U' or 'u' in row 1 column 1, and the rest of the words in row 1, column 2.

The input file
Each line of the input file will contain a word. The file will be available on Blackboard. An example of the input file would be:

```
This
is
an
example
input
```

Submitting the Project.
You should now have the following files to submit for this project:

```
Project1.java
WordGUI.java
```

(You do not have to submit TextFileInput.java or the input file.)

Submit a jar file.

Rather than upload the files above separately, we will use Java's facility to create the equivalent of a zip file that is known as a **J**ava **AR**chive file, or "jar" file.

Instructions on how to create a jar file using Eclipse are on Blackboard. Create a jar file called **Project1.jar** and submit that.

Upload your project to Blackboard by the due date for full credit.