# ICE 4 – Mad Libs

## Phase 2 – Initial Screen

Graphical user interface, text, application

Description automatically generated

**Context:** When the JAR file initially starts up it displays “Mad Libs” as a welcome banner and it displays instructions for the user input (which in this case, it would be): “Please enter an adjective:”.

## Phase 3 – Input Screen

Text

Description automatically generated

Text

Description automatically generated

**Context:** 1st set of input data following the prompts that are displayed to the user

1st set of inputs entered in order: Powerful, Fast, shinier, Thanos, mice, flying, With great power, comes great responsibility

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Context:** 2nd set of input data following the prompts that are displayed to the user

2nd Set of input data in order: Beautiful, awful, scarier, Potato, Apples, exploding, If you’re going through hell, keep going

## Part 5 – Answer the Questions

**Question 1) When is the code within a method executed?**

Within Java, a method’s code is executed when the method is called through specifically asking the name of the method and passing (if applicable) valid arguments.

**Question 2) In Java, what does the keyword void mean when declaring a method?**

In Java, when a method is declared with void, it means to define the return type of the method – which in this case would be that “void” methods do not return values. So, when calling these methods, they simply output whatever code is within the function, they do not produce code/results that can be used elsewhere within an application

**Question 3) What does the keyword return mean when writing a method?**

When writing a method, using the keyword “return” would signify that a method is returning a value. It is also important to note that within Java, the method must return the same kind of data that it uses. With that said, it is understood that the “return” line would define the last line of the method, so any code written after this line will not be executed.

**Question 4) What methods did we write in this ICE?**

**Void print(String prompt)**

* Used this method to recreate the usage of the print() function similar to how it is used in Python

**Void printbanner (String title)**

* This method is used to print a formatted banner based on variables that are inputted from the user

**Void main**

* **Main** method that the application was written within. It utilized the other methods to create the Mad Libs program.