**Creating Word map from source Text**

To create an application that will take in a large sample of text, parse it into words that have the highest frequency and arrange them inside a predefined image so that the words will be of different font sizes and leave as few empty spaces as possible

**Interface / Input / Requirements**

* Select Shape: from a few predefined shapes as well as well as the custom shape option.
* Set Background Transparent: Sets the background of the produced image to transparent so it can easily be superimposed onto another image.
* Background Colour: to let the user set an image as the background instead of a solid color.
* Width/Height: Set the final dimensions of the produced Image to make it useful for differently sized screens.
* Input Text: Just words which are defined as character sequences separated by

**Output Options**

Create a set of images to choose the best one among the produced images.

**Implementation:** Language of your choice.

**Need to develop:**

* A parsing algorithm to process the raw text input.
* A placement algorithm to determine how the text will be placed within the image.
* A padding algorithm to make sure large empty spaces are filled.
* A library of predefined images that will be used for the purposes of creating the word map