

Computer Programming

Section G, Spring 2018

Assignment 4

Due Date: Thursday April 26, 2018

ASCII Art

Implement a simple editor that displays a line of text using ASCII Art. Each alphabet character is represented with multiple lines of special characters, terminated by \$ symbol. For instance, alphabet 'A' is represented as:

```
  #  $
 # # $
#   # $
#     #$
#####$
#     #$
#     #$
```

A complete representation of characters is given in the associated file.

The job of the editor is to type a given text of characters using the corresponding ASCII Art equivalents. For instance, text “AND” will be shown as:

```
  #      #      #      #####
 # #    ##      #      #
#   #  # #      #      #
#       #  #      #      #
#####  #  #      #      #
#       #  ##     #      #
#       #      #      #####
```

Your editor needs to be implemented using object-oriented concept of composition (has-a) relationship, considering two classes **Buffer** and **Character**.