# **CS 135 – Final Group Project**

## **Design Document**

## **1107-Team5**

The group name should follow a **labSection#-team#** format. The easiest place to find this information is in your Canvas lab section. It should have the **labSection#** at the top and you should be able to find your **team#** in the People tab.

List the repository URL here.

### **Team Members**

Member 1: Steven Juan, 702-245-4646, stevenjuan1799@gmail.com

Member 2: Liam, Jones, 775-432-3030, liamhjones@gmail.com

Member 3: First, Last, contact (email and/or phone number)

(add another if you have 4 team members)

## **Project Description**

### **Program**

Describe the overall flow of the entire program here. In addition to the description of the sequence of events, you may use flowcharts and/or pseudocode to help with brainstorming.

1. Header
2. Preprocessor directives
3. Declare Void Functions
4. Main Function
   1. Open the Mad Lib File
   2. Scan the Mad Lib File
      1. VOID Function to Scan
      2. IF ‘A” ‘N’ or ‘V’ Then prompt user value word and store in a 2D array
         1. VOID Function for A, N and V separately
   3. Print the translated mad lip
      1. VOID Function to Print
      2. Print .txt file until no more
         1. Print until endline character
         2. Print User’s word from 2d array

### **Functions**

List all functions here. Include their input, output, and the algorithm for the function. You can review the Project 6 README or the examples below for reference.

*Scan Code***Input Parameters**: File pointer, char 2d array

**Returned Output**: none

**Functionality**: Reads the text file and scans it for when the User needs to give a word to run a separate void function

*Adjective***Input Parameters**: char 2d array;

**Returned Output**: An adjective, stored in the 2D array

**Functionality**: Prompts user to enter a adjective, scans it and stores it in a new 2d array row.

*Noun***Input Parameters**: char 2d array;

**Returned Output**: A noun, stored in the 2D array

**Functionality**: Prompts user to enter a noun, scans it and stores it in a new 2d array row.

*Verb***Input Parameters**: char 2d array;

**Returned Output**: A verb stored in the 2D array

**Functionality**: Prompts user to enter a verb, scans it and stores it in a new 2d array row.

*Print Code***Input Parameters**: File pointer, int rows, int columns, char 2D array

**Returned Output**: none

**Functionality**: Print back Mad Lib with replaced words

## **Project Management**

### **Team Member Tasks**

Steven - Scan the file

Peter - Void Functions to store words

Liam - Print the mad lib

### **Team Meetings**

Haven't decided, Peter was absent. Have a text group chat we'll figure it out. Mondays work great fro all of us.