**Design Document**

This program uses a dictionary, stored as a bag, to spell check a list of external words. The program reads a list of words from an external file and then prints the misspelled words.

**User Document**

This program uses array-based implementation for ADT stack to check a list of words by checking and then removing the last word from the stack.

The name of the program is *project4\_task2.cpp* and the file location is:

*CourseFiles\Fall2019\jhu\CSCI301s54\StudentWorkFolder\vx3094oa\Project4-CodieWeeding*

To run the program, you first need to access the file from the file location

Then compile the program by entering

*g++ project4\_task2.cpp*

To run the program, enter *./a.out* and follow the on-screen prompts

**Example:**

g++ project4\_task2.cpp

./a.out

TESTING THE ARRAY-BASED STACK

Enter the name of the file with words to check: myreport.txt

Dictionary words:

Study

Grade

Math

Research

Result

Science

History

Physics

Input

Output

myReport words:

Stude

Grade

Math

Reseach

Resul

Science

History

Physics

Input

Outpt

Incorrect words:

Stude

Reseach

Resul

Outpt

**Test Data**

Test Dictionary – Make sure dictionary words are correctly read by printing the words.

Dictionary words:

Study

Grade

Math

Research

Result

Science

History

Physics

Input

Output

Test words to check – Make sure words to check are correctly read by printing the words.

myReport words:

Stude

Grade

Math

Reseach

Resul

Science

History

Physics

Input

Outpt

A list of incorrectly spelt words should be displayed.

Incorrect words:

Stude

Reseach

Resul

Outpt