# Plagiarism Checker Tool

## Algorithms that will be used:

### For Task 1 and Task 2

We will be trying two algorithms i.e. LCS and Levenshtein distance algorithm. We will comapre the running time of both algorithms and and finally implement one with less running time (more efficient).
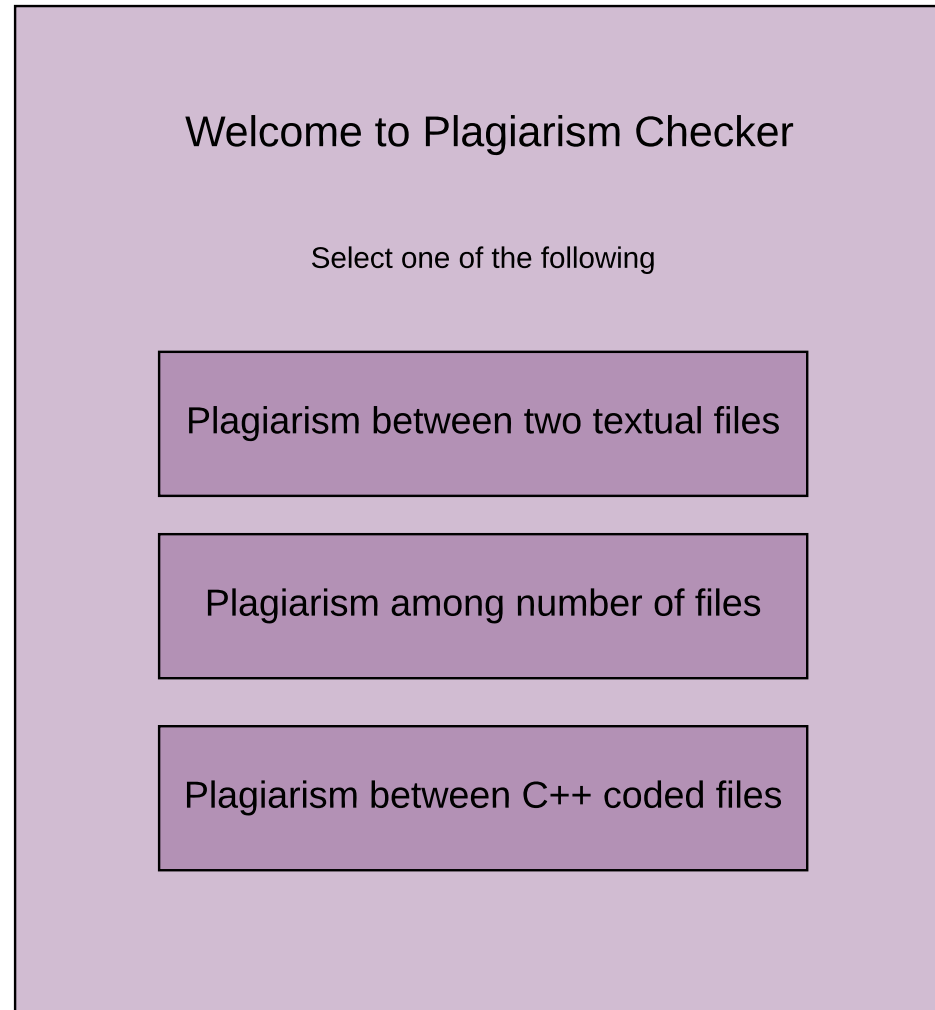
### For Task 3

We will be implementing O(Np) algorithm.

# Interface

The first interface shown to the user will look like as shown in figure 1.1

It will have three buttons:

1. First button will show the plagiarised conent between two texual files

2. Second button will show the plagiarised content among number of given files

3. Third button will show the changes that were done between C++ coded files

## Welcome to Plagiarism Checker

Select one of the following

Plagiarism between two textual files

Plagiarism among number of files

Plagiarism between C++ coded files

When first button i.e. "Plagiarism between two texual files" will be clicked, following screen (Figure 1.2) will be shown to user.

Figure 1.1

The first two buttons shown on Figure 1.2 will enable user to input his textual files while the third button will check pligiarism between those files. The "Back" button at the end will bring user back to first screen like shown in Figure 1.1

Upload first file

Upload second file

Note! The files must be textual i.e. having extension .doc,.docx or .txt

Check Plagiarism

Back

When the button "Check Plagiarism" will be clicked, our system will highlight the similar content between the files. If there will be some similar content, a new screen will be opened showing the plagiarised content while if there will be no similar content, it will just output a message saying "No Plagiarism detected".

Figure 1.2

When second button in Figure 1.1 i.e "Plagiarism among number of files" will be clicked, a screen will be shown to user like given in right.

Upload folder containing files

Note! All files within a folder must have same extension

Check Plagiarism

Back

User will have to upload a folder having textual files of same extension through the button "Upload folder containing files". When "Check Plagiarism" button will be clicked, our system will highlight the similar content among number of files and "Back" button will return to Figure 1.1

Figure 1.3

When third button in Figure 1.1 i.e "Plagiarism between C++ coded files" will be clicked, a screen will be shown to user like given in right.

Upload first file

Upload second file

Note! The files must be c++ coded i.e. having extension .cpp

Check Plagiarism

Back

User will have to upload two C++ coded files individually through the first two buttons shown on Figure 1.4. When "Check Plagiarism" button will be clicked, our system will highlight the changes that were done between two files. "Back" button will return to Figure 1.1

Figure 1.4