# **CSE 411: ADVANCED PROGRAMMING TECHNIQUES**

Fall 2016

Programming Assignment 3: GUI Programming Assignment Initial Design and Feedback

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## **Initial Design**

INITIAL DESIGN	
Edit Distance GUI	- U \
First String Compose	Compute
Second String Computer	Clear
Cost Options:	Output Options:
cins 1	M Edit Distance Matrix
cdel III	☐ Backtrack Matrix
csub []	M Alignment
/* Output Screen, Results will be d	hisplayed here */
String edit distance value: 3	
0 1 2 3 4 5 C 2 0 1 2 3 4 0 4 2 0 1 2 3 m 6 4 2 0 1 2 P 8 6 4 2 0 1 0 10 8 6 4 2 0 1	e 7 6 5 4 3 3 3 3 2 2 2 4 4 3 3

#### **Feedback**

- 1. Instead of cins, cdel and csub some other alternative names could be preferred so that the user can easily identify the possible cost options.
- 2. The GUI design looks good. All input controls are well organized, have clear labels and are easy to use. Since the output text area includes various matrices such as Edit Distance, Backtrack matrix and Alignment, the output will be pushed to the bottom of the GUI. Therefore, it is better to have appropriate labels and possibly bordering boxes so that they are easily distinguishable.
- 3. The design has been already better and seems like the design already has few enhancements as required.

#### **Final GUI Design**

