

Original design:

The screenshot shows a window titled "Edit Distance" with a standard macOS-style title bar (red, yellow, and green buttons). The interface is organized into several sections:

- String Input:** Two text input fields labeled "string S:" and "string T:".
- File Selection:** A button labeled "select from file:".
- Sliders:** Three vertical sliders labeled "cdel:", "cins:", and "csub:". Each slider has a small square handle and a "1" label at the top.
- edit distance:** A label and a text input field showing the value "0".
- alignment:** A text input field.
- Preference Section:** A label "preference:" followed by three checkboxes: "edit distance matrix", "backtrace matrix", and "alignment".
- Buttons:** A "compare" button.
- Matrix Displays:** Two large, empty rectangular areas with vertical scrollbars, labeled "full edit distance matrix:" and "backtrack matrix:".

feedbacks:



**Sriram Gopalakrishnan**

to me ▾

Oct 13 (2 days ago) ☆

Rename string s and T , to string from and string to. So the user knows what s and T mean.

The sliders can be horizontal to use the space better

...

 **Robert Brotzman - Smith**

Oct 14 (1 day ago) ☆

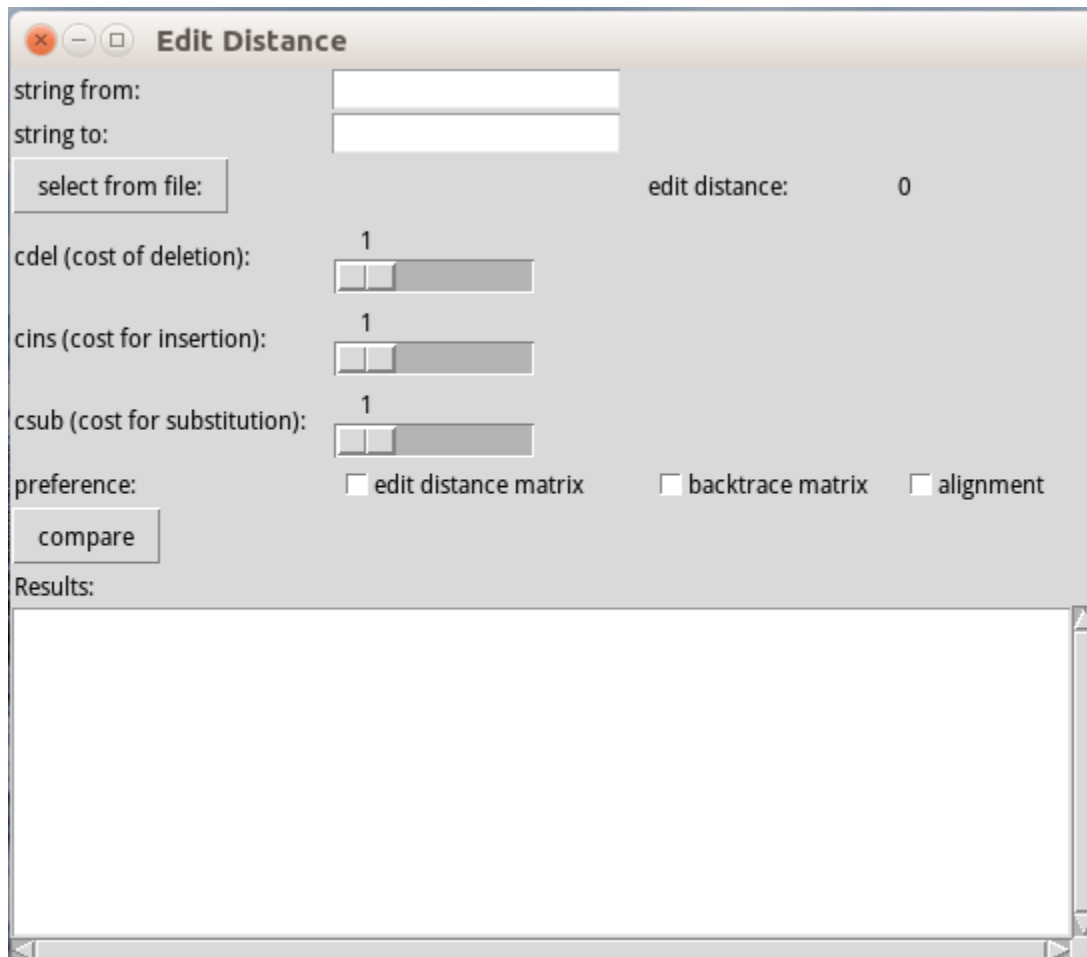


to me ▾

Hi Zhiyu,

You have all of the main components needed for this assignment from a functionality standpoint, so overall it is a good UI. I would consider outputting everything to one area opposed to four different places. It was also pointed out to me that using names like string S, string T and cdel, cins and csub may not be as descriptive as they could. I personally changed them from my initial design and what I linked here is a more recent revision of my GUI with those changes. A minor note, what happens if string s and string t are too long to fit horizontally in your textboxes? When you output the matrix it is going to wrap around and look messy. I would consider also adding a horizontal scroll bar.

modified version :



feedback 2:

 **Xin Li**

5:52 PM (1 hour ago) ☆



to me ▾

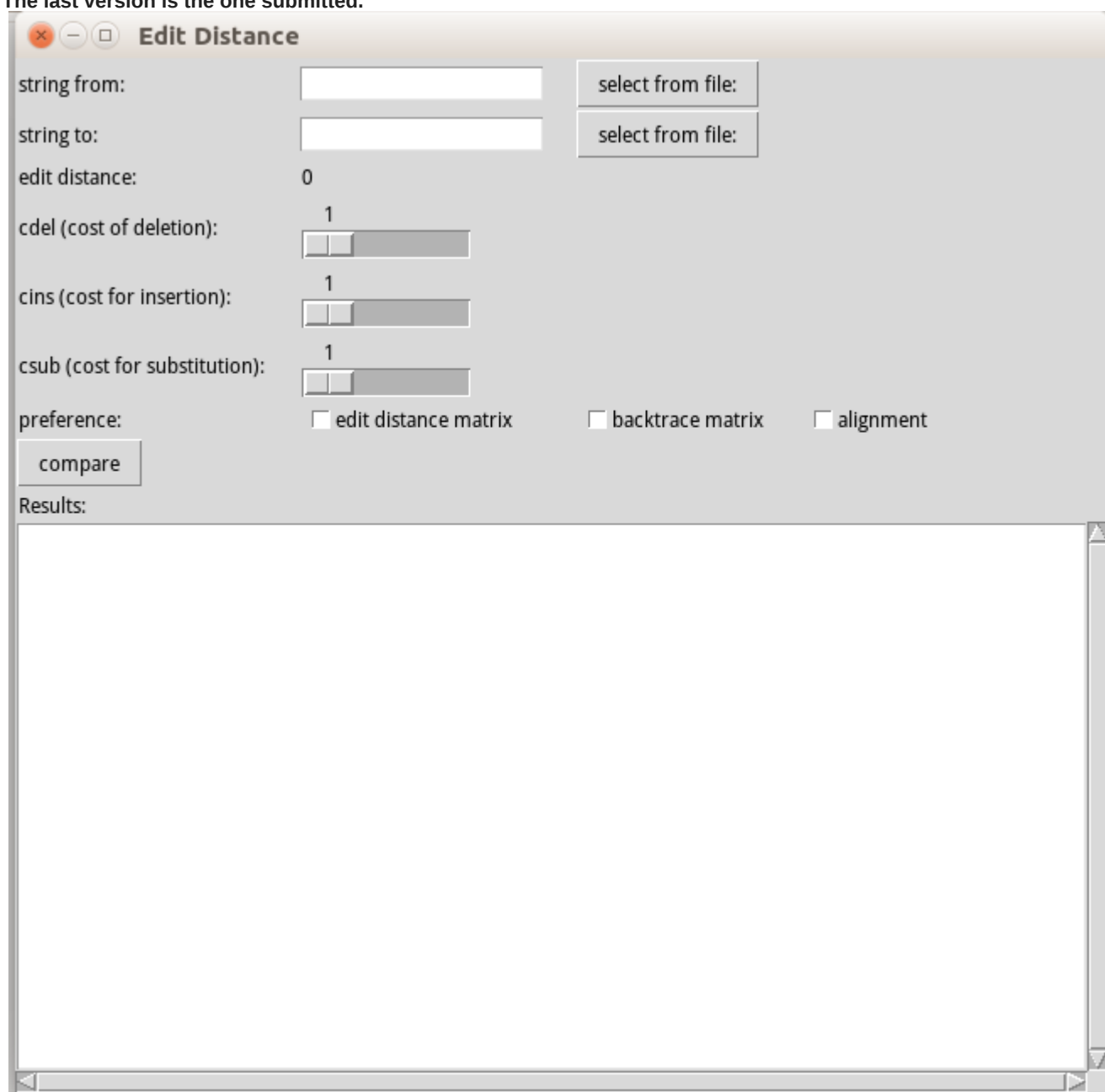
Hi Zhiyu,

Thank you for asking. I think this design is good. But I noticed that your design supports users to choose input from files. According to the assignment, it should allow users to specify a file name for each string. Maybe you can fix this if you have time.

Have a nice day.

Best,  
Xin

The last version is the one submitted.



The image shows a graphical user interface window titled "Edit Distance". It contains several input fields and controls for calculating edit distance between two strings. The window has a standard macOS-style title bar with close, minimize, and maximize buttons. The main area is divided into two sections: a configuration section at the top and a results section at the bottom. The configuration section includes labels for "string from:", "string to:", "edit distance:", "cdel (cost of deletion):", "cins (cost for insertion):", "csub (cost for substitution):", and "preference:". Each label is followed by a corresponding input field or control. The "edit distance:" field is a text box containing the value "0". The "cdel", "cins", and "csub" fields are sliders, each with a value of "1" displayed above it. The "preference:" field has three checkboxes: "edit distance matrix", "backtrace matrix", and "alignment", all of which are currently unchecked. A "compare" button is located below the "preference:" label. The results section is labeled "Results:" and contains a large, empty text area for displaying the output. The window has a light gray background and a thin border.

**Edit Distance**

string from:

string to:

edit distance:

cdel (cost of deletion):

cins (cost for insertion):

csub (cost for substitution):

preference: ☐ edit distance matrix ☐ backtrace matrix ☐ alignment

Results: