



Department of Computer Science

## Assignment

### Design your Own Simple GUI Windows

---

**Note:** This is a **two-person** team assignment. Find a person to do this with, and submit **one report with both your names** on it. Choose a partner who is **not** on your project team. Collaboration is expected between the two of you, and you will both receive the same grade.

The purpose of this assignment is to **create your own simple GUI Window** by using any programming language (such as Java, Python, C++, etc.) that you are comfortable to program.

Imagine that you are working for the software developer of the word processor you use most of the time. After surveying users' needs, the developer has decided to add a new feature: "QuickLists." QuickLists (which might look like the following list) have the following characteristics:

- They are intended to be used in text with minimal effort by users, especially novices.
- Their default indent and spacing is set automatically by the word processing program, which chooses these values to make the list look good with the preceding paragraph.
- The user can specify whether the items of the list are preceded by a special character (such as a bullet) or are sequentially numbered or lettered.

**Where should the program incorporate the commands to apply this new feature and set the character that precedes each list item? On a menu? On the keyboard? In dialog boxes? Somewhere else? Give reasons for your answer.**

(If your word processor already has a feature like QuickLists, then answer the same question for the following new feature: A company style checker, which checks memos, reports, and letters to make sure they follow the official company guidelines for format, spelling, and style. Assume that guidelines are predefined by the support staff at the user's company, so all the user has to do is specify whether the document being checked is a memo, report, or letter.)

### **Deliverable:**

1. Please submit **your source code** of your programming assignment (any IDE you are using)
2. Please provide a **brief write up (2-3 paragraphs)** to answer the above questions.
3. Provide **Screenshots** of your output within a MS Word .doc
4. Submit via d2l Module/dropbox on or before due date