**Step 1. Clearly define what the application will do.**

**Purpose**: A program that acts like a simple word processor that allows user to input text files, add text into rich text box, copy, cut, paste, and select work availability using a calendar.

**Output:** Text displaying in the rich textbox.

**Input:** Selecting files to input into textbox, selecting dates, in calendar, copy and paste buttons,

**Process**: When a user opens a text file, the text will display in the text box. After selecting availability on a calendar, the dates will display as text into the rich text box.

**Step 2. Design the GUI**

menuToolStrip

addDateButton 

richTextBox

calendarComboBox

selectAvaiabilityComboBox

displaySchedButton

**Step 3 Make a list of the controls needed.**

**Define the values of each controls relevant properties**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Text** |
| wPForm | Holds all objects. | Lab 7 Word Processor |
| wPRichTextBox | Text box that holds user inputs. |  |
| toolStripComboBox | Combo box that allows user to alter preference settings. | Select One |
| toolStripSaveButton | Allows user to save progress. | Save |
| toolStripOpenButton | Allows user to open files. | Open |
| toolStripExitButton | Allows user to exit app. | Exit |
| toolStripCutButton | Allows user to cut text. | Cut |
| toolStripCopyButton | Allows user to copy text. | Copy |
| toolStripPasteButton | Allows user to paste text. | Paste |
| toolStripCenterButton | Allows user to center align the text box. | Center |
| toolStripLeftButton | Allows user to left align text box. | Left |
| toolStripRightButton | Allows user to right align text box. | Right |
| addDateButton | Lets user add a selected date from the calendar to the textbox. | Add Selected Date |
| displaySchedButton | Displays selected dates into the textbox. | Display The Entire Schedule |
| timeLabel | Displays current time | Varies on current time |
| currentTimer | Used to get the local time. |  |
| cutToolStripMenuItem | Cuts text from textbox | Cut |
| copyToolStripMenuItem | Copies text from textbox | Copy |
| pasteToolStripMenuItem | Pastes text into textbox. | Paste |
| clearToolStripMenuItem | Clears the textbox. | Clear |
|  |  |  |
|  |  |  |
|  |  |  |

**Step 4 Make a list of the methods needed for each control**

|  |  |
| --- | --- |
| **Method** | **Description** |
| toolStripExitButton\_Click | When clicked, shows a message and then exits. |
| wPForm\_FormClosing | When clicked, shows a message and then exits. |
| currentTimer\_Tick | Will show the current time and date when the program runs. |
| toolStripLeftButton\_Click | Aligns text box cursor left. |
| toolStripCenterButton\_Click | Aligns text box cursor center. |
| toolStripRightButton\_Click | Aligns text box cursor right. |
| toolStripCopyButton\_Click | Copies text from the textbox. |
| ToolStripCutButton\_Click | Cuts text from the textbox. |
| toolStripPasteButton\_Click | Pastes text into the textbox. |
| itemComboBox\_SelectedIndexChanged | Allows user to alter textbox’s color or font when the user selects the appropriate index from the combo box. |
| toolStripOpenButton\_Click | When clicked, opens a dialog that allows user to open contents of a text file into the textbox. |
| toolStripSaveButton\_Click | When clicked, opens a dialog that allows user to save contents of the textbox into a text file. |
| addDateButton\_Click | When clicked, will add a selected date into the combo box. |
| displaySchedButton\_Click | Will take dates from combo box and display them in the combo box. |