Kraig Massee

Lab 7 Design

CIS 133N

**Step 1:**

**Purpose:** To display a word processing Rich Text Format text box a user can type into and use various controls. Can open text files and read them into this text box. Can save files. Program can check dates based on available dates. Can open and close Notepad, Chrome, Word.

**Output:** Text typed into text box. Saved text file. Status Bars. Change color. Various error message boxes. Run Notepad.exe, chrome.exe, word.exe. Date and time selector

**Input:** User can type text in various formats. Button click to change font, color, size. Mouse click to select combobox items. Type color to select color text. Tool list button click.

**Process:** Toolstrip stores controls for text, open, close, save, word count, clear. RTF file for typing, information in this box can be saved.

**Step 2:**

GUI design is in “Kraig Massee Lab 7” folder labeled “Kraig Massee Lab 7 Design.vsdx”

**Step 3:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Text** |
|  |  |  |
| wordProcessorForm | Holds Controls | “Word Processor” |
|  |  |  |
| closeButton | Closes form. Prompts for save | “Close” |
| saveButton | Brings up save form | “Save” |
| openButton | Brings up open form | “Open” |
| cutButton | Cuts selected text | “Cut” |
| copyButton | Copies selected text | “Copy” |
| pasteButton | Pastes copied or cut text | “Paste” |
| undoButton | Undo previous action | “Undo” |
| redoButton | Redo previous action | “Redo” |
| alignCenterButton | Aligns text center | “Align Center” |
| alignLeftButton | Aligns text left | “Align Left” |
| alignRightButton | Aligns text right | “Align Right” |
| wordCountButton | Counts selected words | “Word Count” |
| clearButton | Clears text box | “Clear” |
| myToolStrip | Holds buttons for Rich text box | “” |
| myImageList | Holds images for buttons on myToolStrip | “” |
| colorComboBox | Holds controls to edit text | “Color, Font, Any Color, Reset” |
| availableComboBox | Holds available dates selected from availableDateTimePicker | “I am available on” |
| myColorDialog | Color change form | “Color” |
| myFontDialog | Font change form | “Font” |
|  |  |  |
| availableDateTimePicker | Date and time display | Current date/time |
| callProgramsGroupBox | Holds buttons for open/close .exe | “Call Programs” |
| openNotePadButton | Opens notepad | “Open Notepad” |
| closeNotePadButton | Closes notepad | “Close Notepad” |
| openChromeButton | Opens Chrome | “Open Chrome” |
| closeChromeButton | Closes Chrome | “Close Chrome” |
| openWordButton | Opens Word | “Open Word” |
|  |  |  |
| closeWordButton | Closes Word | “Close Word” |
|  | Holds date/time | Current date/time |
| timeToolStripStatusLabel |  |  |
| noteToolStripStatusLabel | Holds status of programs open/close | “” |
| myAvailabilityTextBox | Holds array value added from availableDateTimePicker | “” |
| noChangeAvailabilityLabel | Label for my availability | “My Availability” |
| addScheduleToArrayButton | Adds values in combobox to myAvailabilityTextBox | “Add schedule to array” |
|  |  |  |
| myTimer | Keeps date/time current |  |
| myStatusStrip | Holds status strip controls |  |

**Step 4:**

|  |  |
| --- | --- |
| **Method** | **Description** |
|  |  |
| wordProcessorForm\_Load() | Loads main form |
|  |  |
| colorComboBox\_SelectedIndexChanged() | If index changes in combo box various cases are called to perform action in myRichTextBox |
| alignRightButton\_Click() | Align text right |
| alignLeftButton\_Click() | Align text left |
| alignCenterButton\_Click() | Align text center |
| pasteButton\_Click() | Determines if there is anything to paste. Pastes if true. If copying text, message box to confirm paste over text |
| cutButton\_Click() | Performs cut method |
| copyButton\_Click() | Performs copy method |
| saveButton\_Click() | Opens save .rtf file form |
| openButton\_Click() | Opens Open .rtf file form |
| wordCountButton\_Click() | Counts spaces in between words and displays message box indicating word count |
| openNotePadButton\_Click() | Opens Notepad |
| openChromePadButton\_Click() | Opens Chrome |
| openWordPadButton\_Click() | Opens Word |
| closeNotePadButton\_Click() | Closes Notepad |
| closeChromePadButton\_Click() | Closes Chrome |
| closeWordPadButton\_Click() | Closes Word |
| clearButton\_Click() | Clears myRichTextBox of text |
| redoButton\_Click() | Performs Redo method |
| undoButton\_Click() | Performs Undo method |
| myTimer\_Tick() | Sets availableDateTimePicker to increment every second |
| addScheduleToArrayButton\_Click() | Adds items in availableCombobox to array and then adds this to myAvailableTextBox |
| closeButton\_Click() | Dialog box to confirm exit. If Yes selected PerformClick save button. |
|  |  |
|  |  |