

Human-Computer Interaction

UI Documentation: Word Processor Login and Main Interface

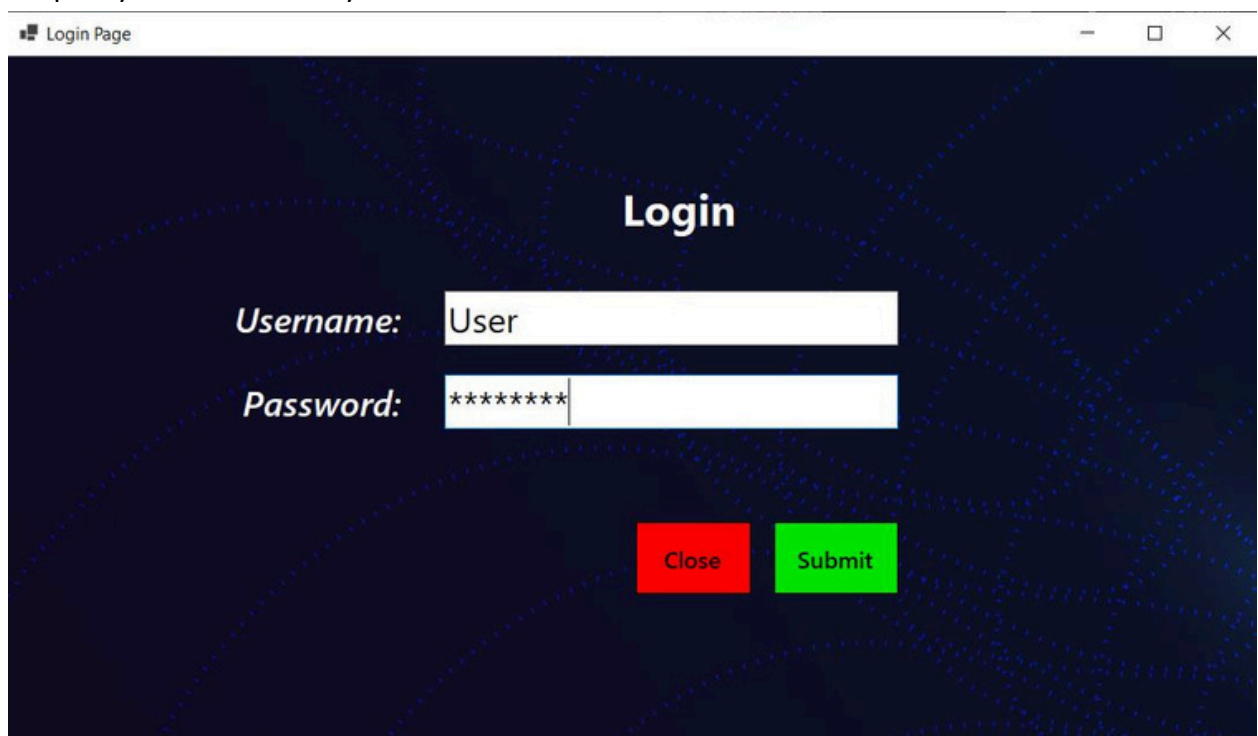
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Introduction

This document presents a detailed overview and analysis of the user interface (UI) design for our word processor mock application developed using WinForms. As part of our coursework in **Human-Computer Interaction**, the design focuses on usability, accessibility, and intuitiveness. The interface includes a login page and a multi-tabbed document editor intended to mimic traditional word processing applications while promoting clarity and efficient user interaction. Each UI element is carefully placed and designed with a specific purpose to enhance the overall user experience.

Login Page Interface

The login page or 1st form serves as the initial gateway to the application, prioritizing simplicity and functionality.



The screenshot displays a Windows application window titled "Login Page". The window features a dark blue background with a subtle pattern of glowing blue dots and lines. The word "Login" is centered at the top in a white, bold font. Below it, the labels "Username:" and "Password:" are positioned to the left of two white input fields. The first input field contains the text "User". The second input field contains seven asterisks "*****". At the bottom right of the form, there are two buttons: a red "Close" button and a green "Submit" button.

- **Title: LOGIN PAGE**
- Indicates to the user that they are currently on the login screen of the application.
Label: LOGIN
Serves as the main heading, reinforcing the purpose of the current interface.
- **Label: USERNAME:**
Describes the text field beside it. This field is used to input the user's login ID or username.
- **Textbox (Beside USERNAME)**
A simple input box where users can enter their usernames.
- **Label: PASSWORD:**
Identifies the input field for entering the user's password securely.
- **Textbox (Beside PASSWORD)**
Accepts the user's password. In practice, the text is masked to protect sensitive information.
- **Button: CLOSE (Red)**
Used to exit the application. Red is chosen to universally convey a stop or cancel action.
- **Button: SUBMIT (Green)**
Submits the entered login credentials for authentication. The green color denotes progression or confirmation.

Main Window Interface

After logging in, users are directed to the main document editing interface or the 2nd form. This section mimics a full-featured word processor and includes a top menu, toolbars, and a document area.

Top Menu Bar

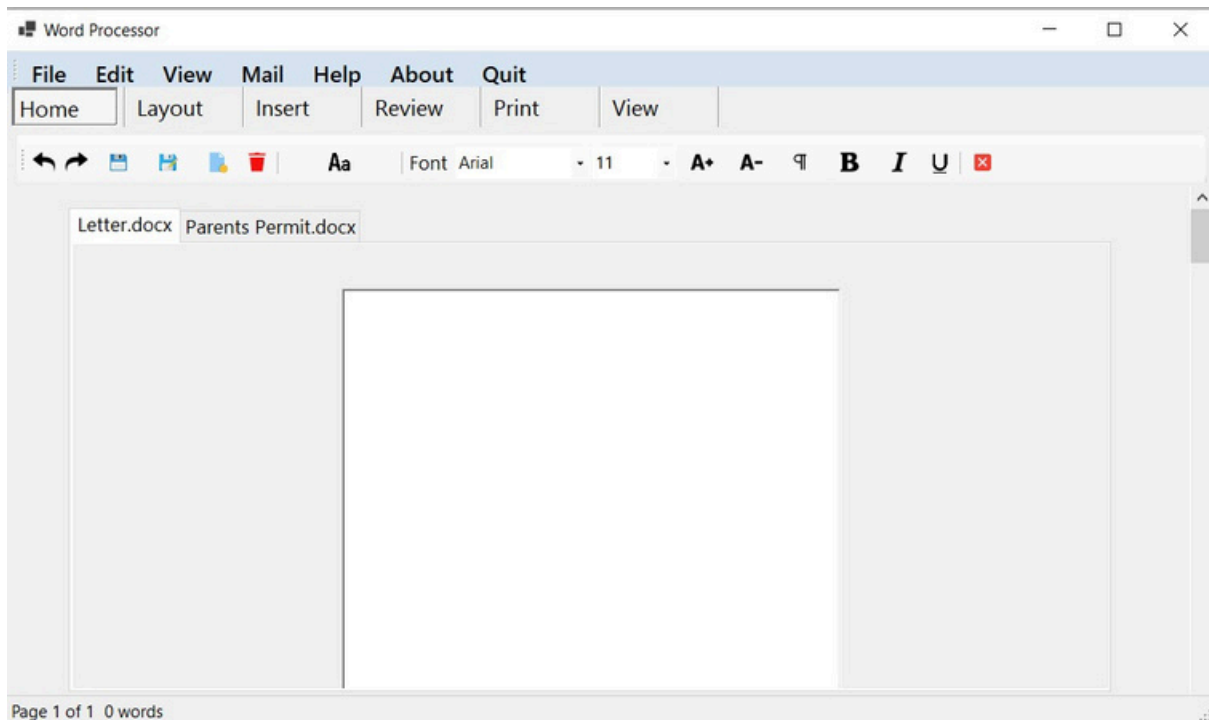


- **FILE, EDIT, VIEW, MAIL, HELP, ABOUT, QUIT**
These are standard dropdown menus offering access to essential features and application commands, promoting familiarity with traditional word processing applications. We also alt shortcuts for accessibility.

Tabs and Functional Elements

1. HOME Tab

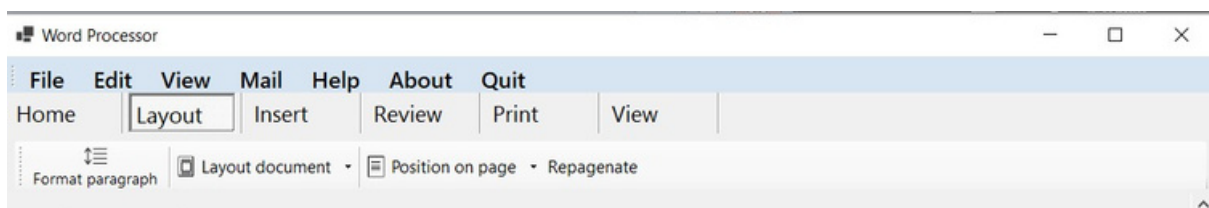
This is the default tab and includes basic document editing tools.



- **Toolbar Icons (Cut, Copy, Paste, etc.)**
Allow users to perform standard editing actions quickly.
- **Font Name Dropdown**
Lets users choose from a list of available fonts.
- **Font Size Dropdown (11)**
Adjusts the size of selected text.
- **Formatting Tools (Bold, Italic, Underline, Strikethrough, Font Color, Highlight)**
Enable rich text formatting to enhance document readability and emphasis.
- **Document Area ("LETTER.DOCX", "PARENTS PERMIT.DOCX")**
Represents the main workspace where users can view and edit documents. Supports multiple documents for flexibility.

2. LAYOUT Tab

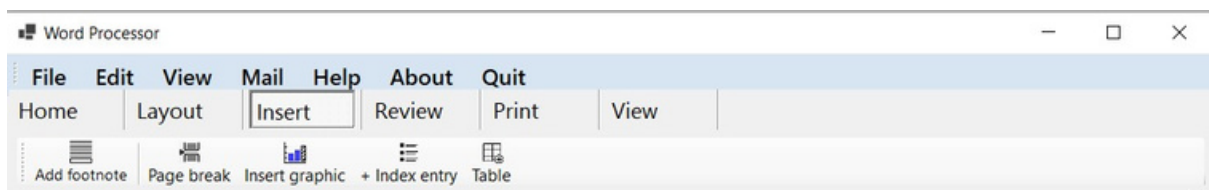
Focuses on page setup and structural formatting.



- **Layout Document**
Allows users to adjust page margins, spacing, and orientation.
- **Position on Page**
Facilitates precise placement of content such as images or text boxes.
- **Repaginate**
Updates page numbering automatically when changes are made.

3. INSERT Tab

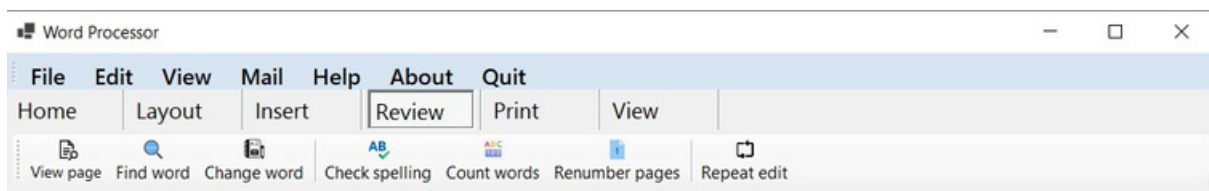
Used to enrich documents with additional elements.



- **Add Footnote**
Allows users to insert footnotes for citations or commentary.
- **Page Break**
Inserts a new page at the current cursor position.
- **Insert Graphic**
Adds visual content to enhance the document.
- **Index Entry**
Marks terms for inclusion in the document's index.
- **Table**
Inserts tables for organizing information into rows and columns.

4. REVIEW Tab

Assists with proofreading and document analysis.



- **View Page End**
Scrolls directly to the end of the current page.

- **Change Word / Check Spelling**

Provides spelling and word suggestion tools to improve document quality.

- **Count Words**

Displays total word count, useful for assignments or articles with length constraints.

- **Renumber Pages**

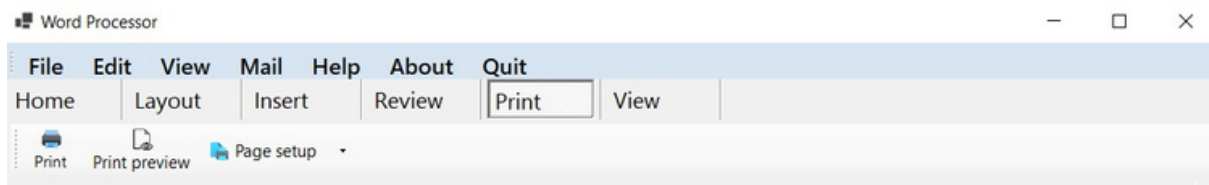
Automatically updates page numbers after edits.

- **Repeat Edit**

Repeats the last applied formatting or editing action.

5. PRINT Tab

Handles document printing features.



- **Print**

Sends the document to a connected printer.

- **Print Preview**

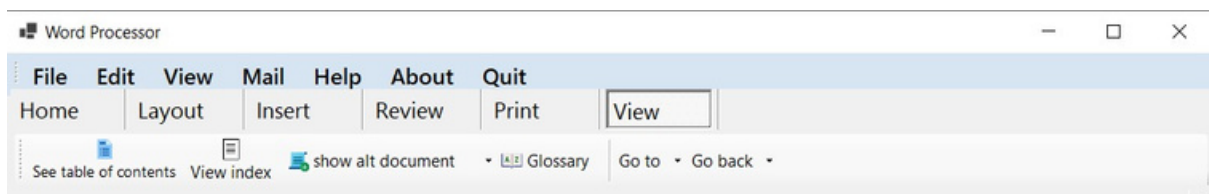
Displays how the document will look when printed.

- **Page Setup**

Opens a dialog box to adjust print layout, paper size, and orientation.

6. VIEW Tab

Used to customize how the document is displayed.



- **Table of Contents**

Shows an outline of the document based on heading levels.

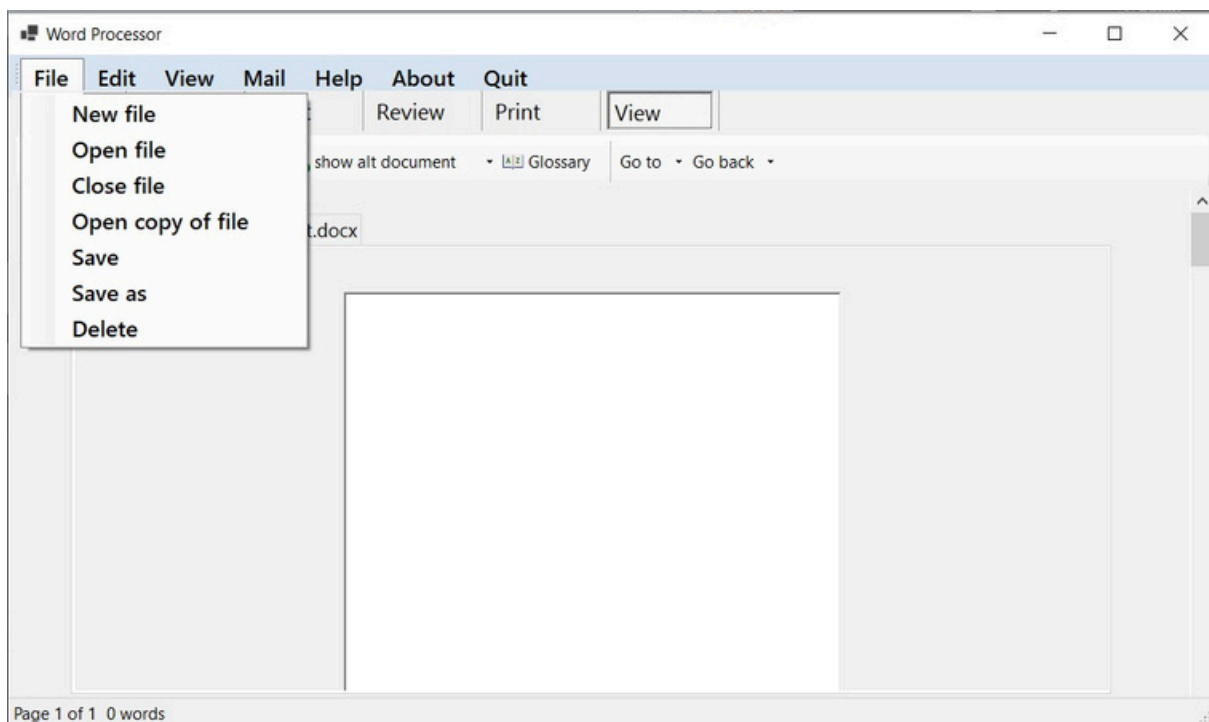
- **Show All Document**

Expands the view to show the entire document content.

- **List Glossary**
Opens a compiled list of defined terms or jargon.
- **Go To / Go Back**
Quick navigation tools to move between different document sections.

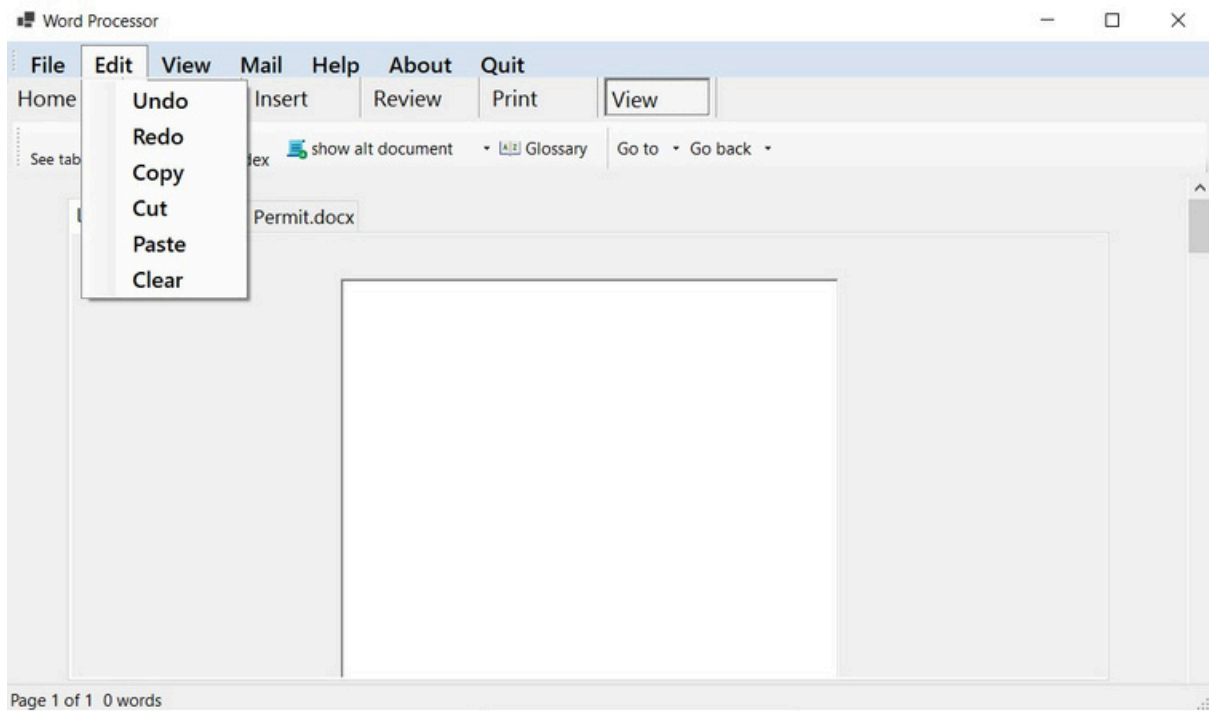
Dropdown Menu Functions

FILE Menu



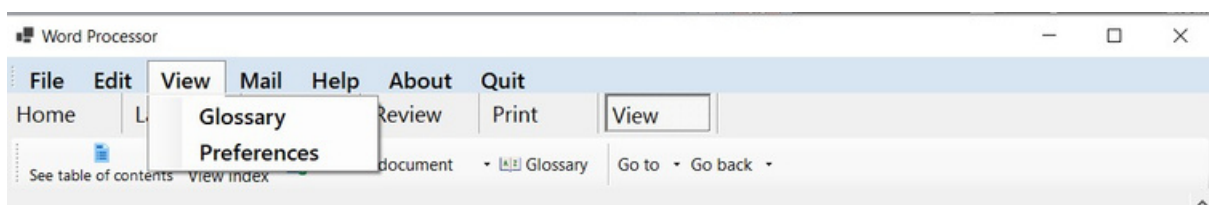
- **New File / Open File / Close File**
Manages file creation and access.
- **Open Copy of File**
Opens a duplicate of an existing file without affecting the original.
- **Save / Save As**
Saves current progress; "Save As" allows for renaming or location changes.
- **Delete**
Removes selected files from the system.

EDIT Menu



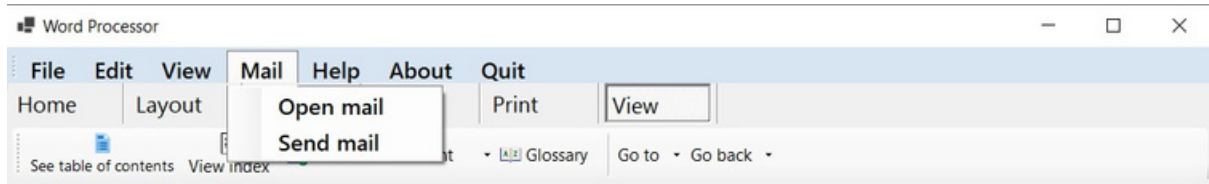
- **Undo / Redo**
Control over recent actions.
- **Copy / Cut / Paste / Clear**
Manages clipboard actions and content removal.

VIEW Menu



- **Glossary**
Displays definitions used in the document.
- **Preferences**
Opens settings for customizing application behavior and appearance.

MAIL Menu



- **Open Mail / Send Mail**
Manages built-in email functions to read or share documents directly.