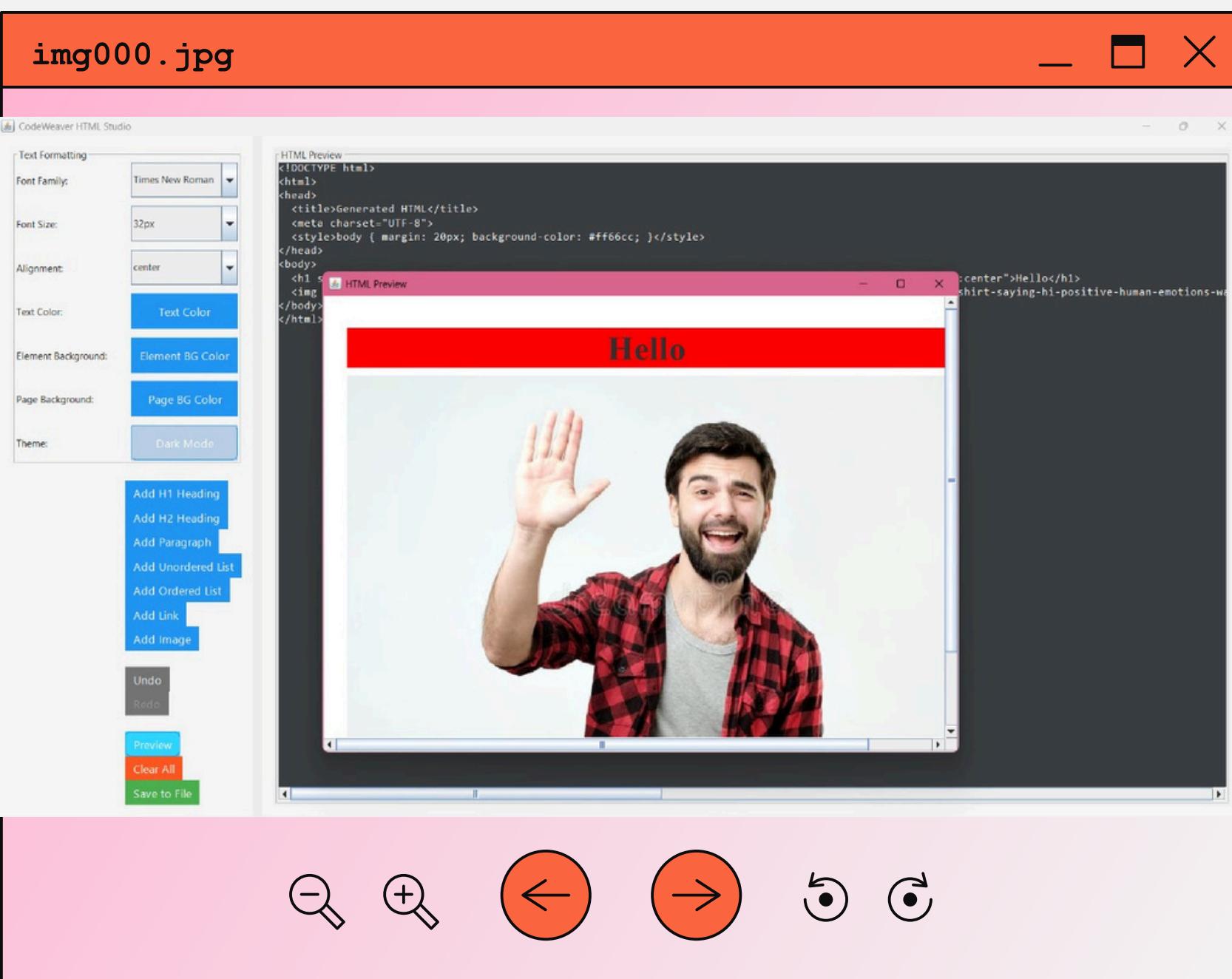


Overview



Untitled -TextEdit

File Edit View Help

03	<u>Introduction</u>
04	<u>Background</u>
05	<u>Technologies used</u>
10	<u>Scope</u>
11	<u>Challenges</u>
13	<u>Result</u>

An intuitive Java-based tool that accelerates web development by automatically converting drag-and-drop actions into clean HTML/CSS code. Designed for educators and beginners to simplify front-end prototyping.



INTRODUCTION

Magic Pic Editor

Brightness

Contrast

Magic

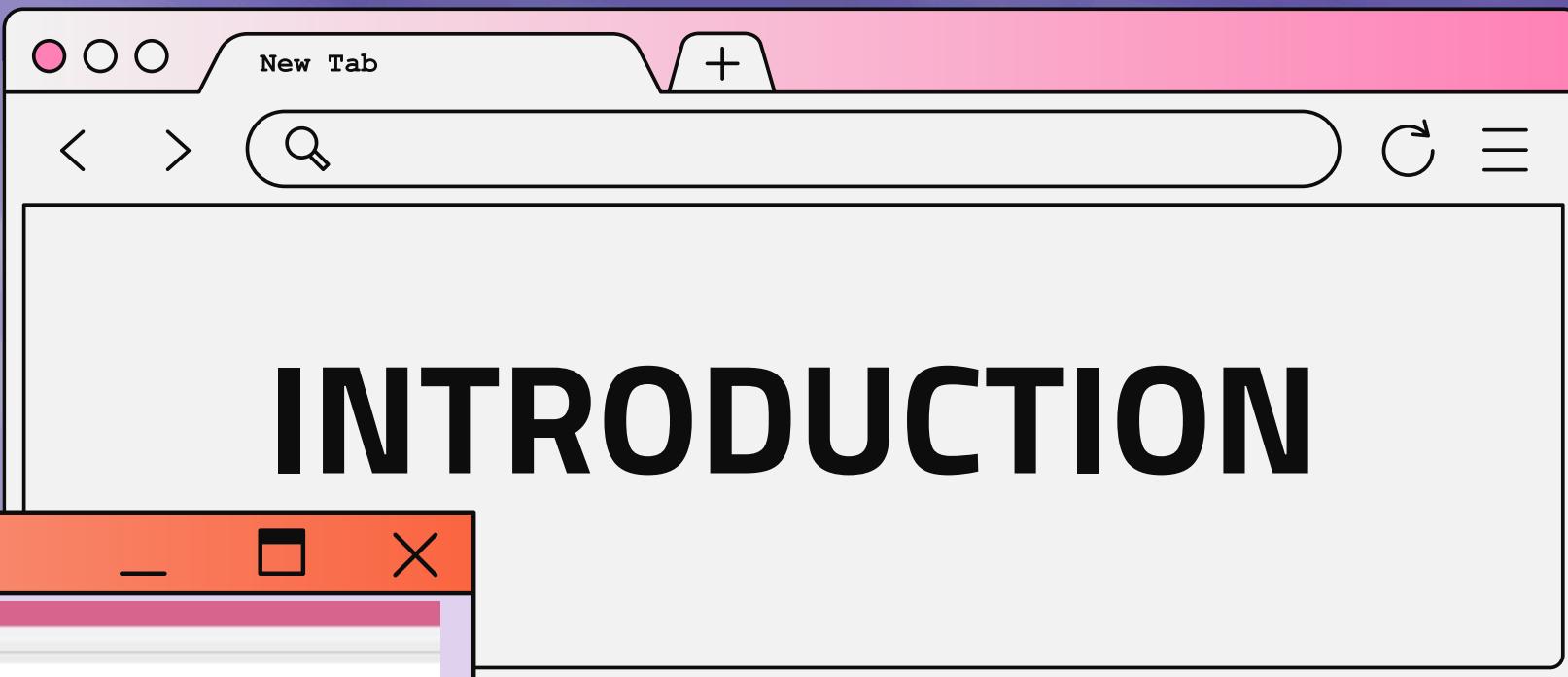
Font: Arial
Size: 12px
Align: left

Text Color
Element BG Color
Page BG Color
Dark Mode

Add H1 Heading
Add H2 Heading
Add Paragraph
Add Unordered List
Add Ordered List
Add Link
Add Image

Undo
Redo

Preview
Clear All
Save to File



Document2 - Macrostuff Board

File Edit Format View Help

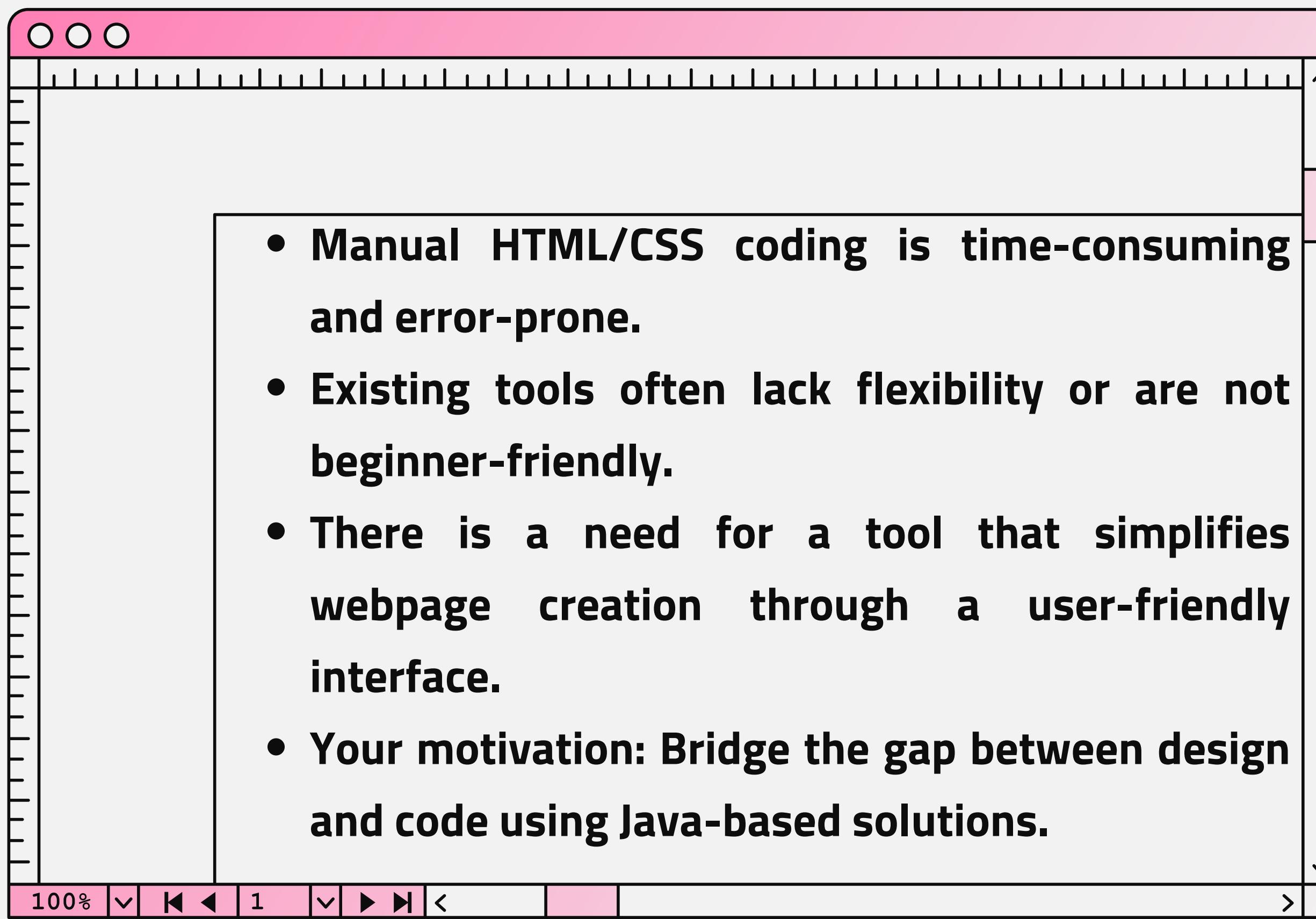
Cool New Font 12 B I U

This project is a Java-based GUI tool that enables users to create and customize HTML web pages without manually writing code. It provides options to insert text elements, images, links, and apply CSS styles like font size, color, alignment, and effects. It is designed to help students, beginners, and developers quickly prototype or generate static web pages. It emphasizes ease of use, modularity, and customizability through a class-based design.

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BACKGROUND & MOTIVATION





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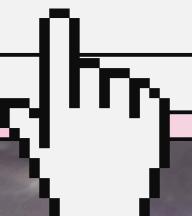
B I U

☰



TECH STACK

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File Edit View Help

- Java (Core + Swing): For logic and GUI development
- HTML/CSS: Output language for web pages
- Object-Oriented Programming (OOP): Modular, scalable design
- VS Code: As IDE

SAVE CHANGES?

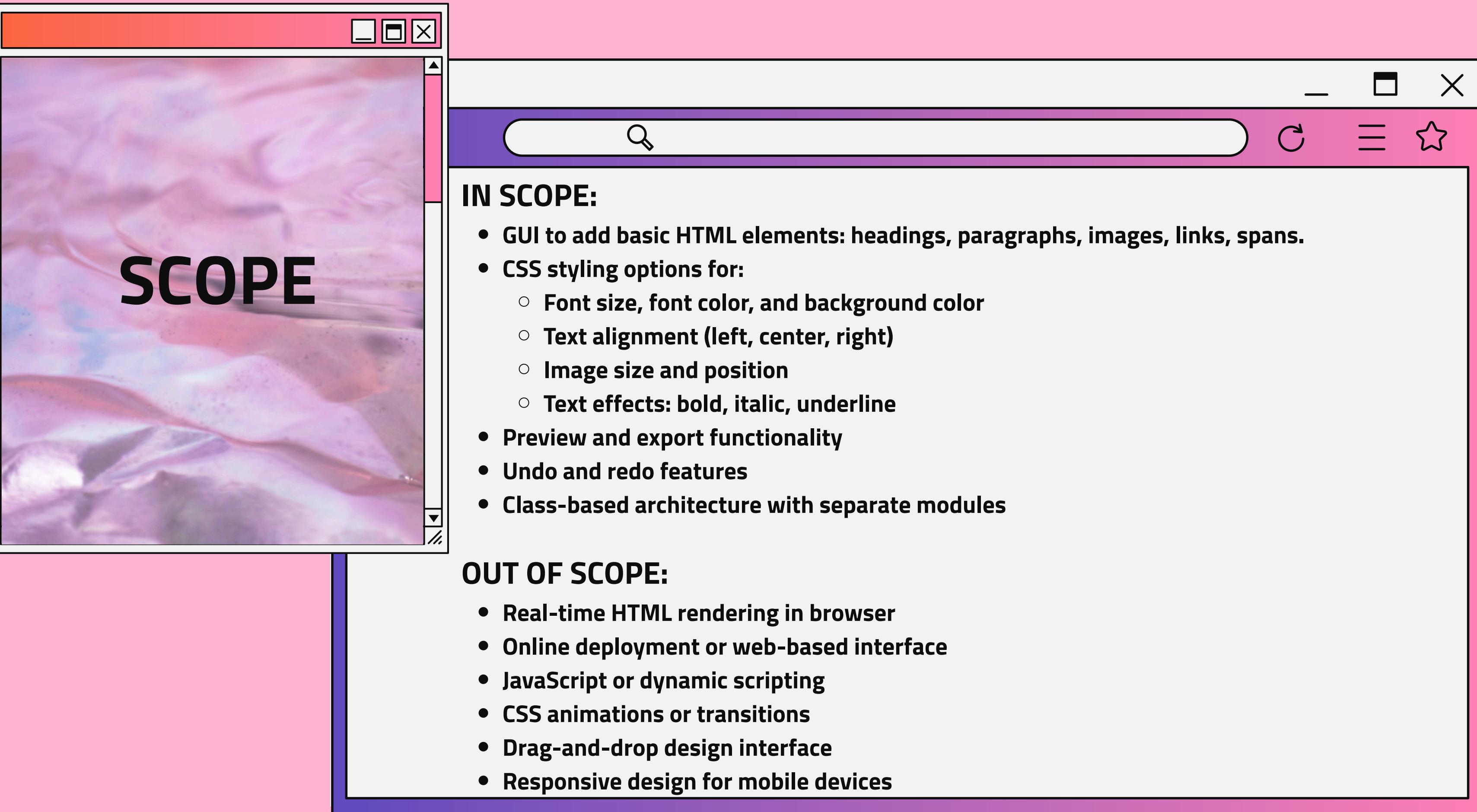


DO YOU WANT TO SAVE CHANGES TO
YOUR FILE BEFORE CLOSING?

DON'T SAVE

CANCEL

SAVE



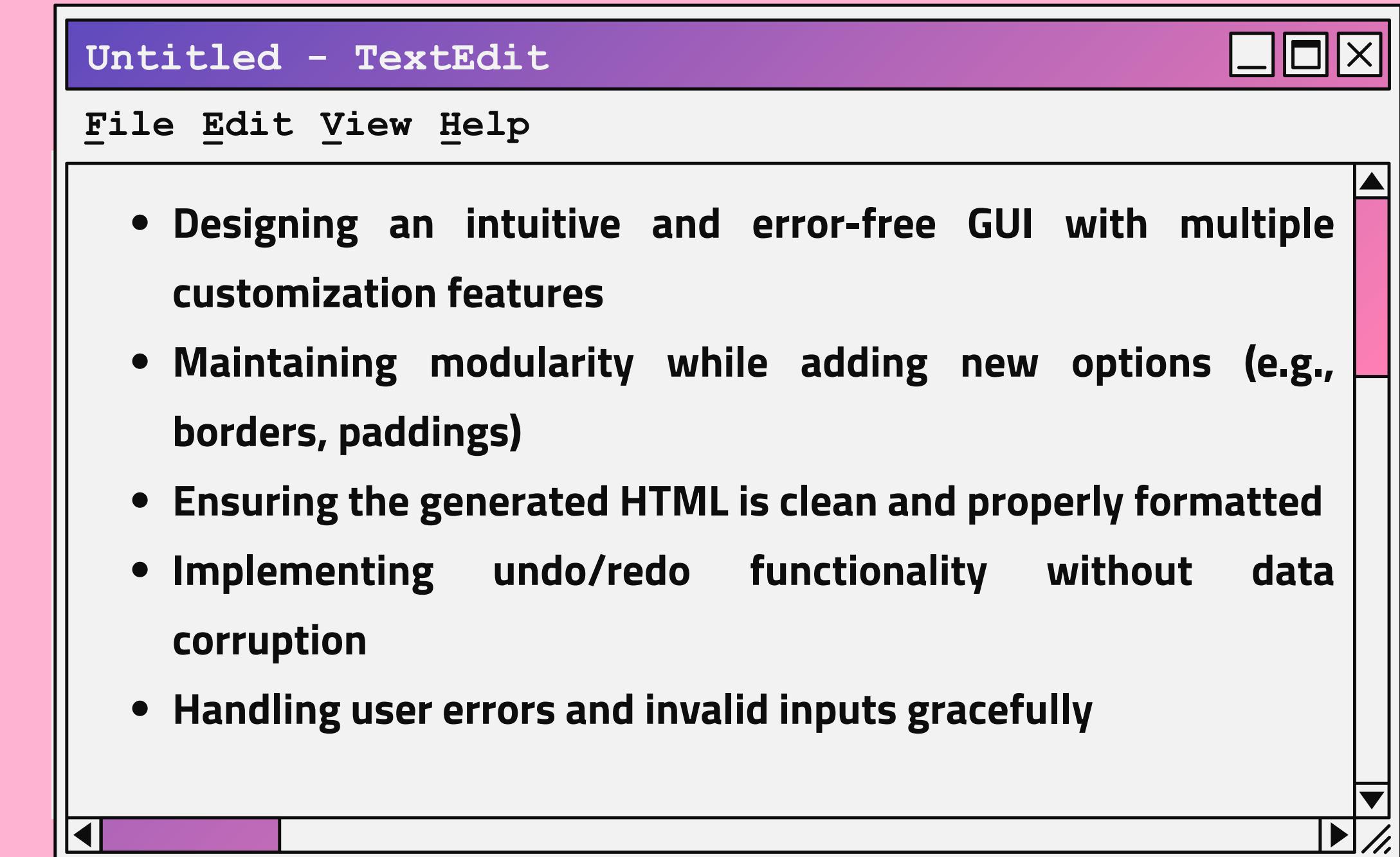
SCOPE

IN SCOPE:

- GUI to add basic HTML elements: headings, paragraphs, images, links, spans.
- CSS styling options for:
 - Font size, font color, and background color
 - Text alignment (left, center, right)
 - Image size and position
 - Text effects: bold, italic, underline
- Preview and export functionality
- Undo and redo features
- Class-based architecture with separate modules

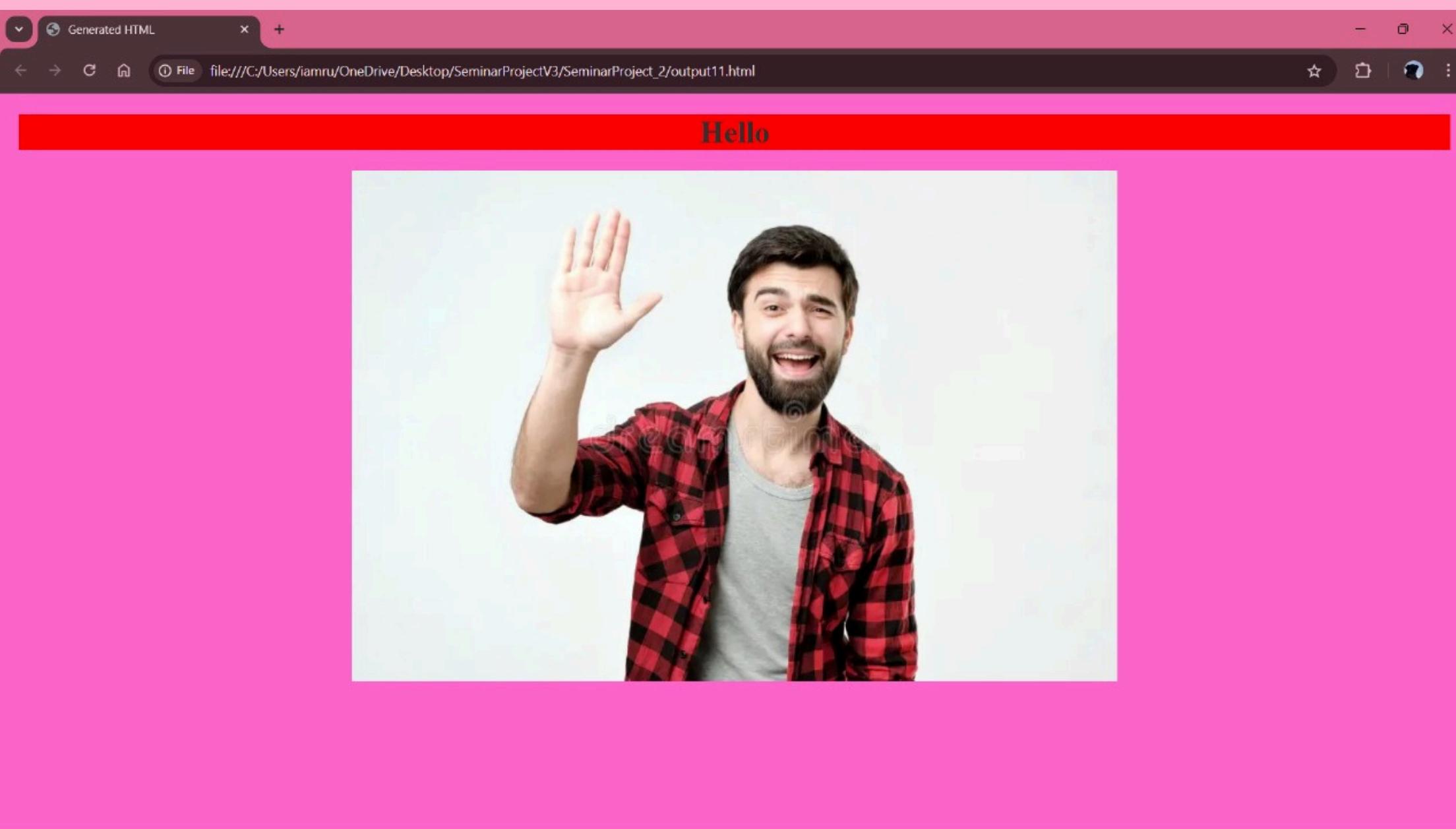
OUT OF SCOPE:

- Real-time HTML rendering in browser
- Online deployment or web-based interface
- JavaScript or dynamic scripting
- CSS animations or transitions
- Drag-and-drop design interface
- Responsive design for mobile devices



Results

Page 1 Words: 88



CodeWeaver HTML Studio

Text Formatting

- Font Family: Arial
- Font Size: 12px
- Alignment: left
- Text Color: Text Color
- Element Background: Element BG Color
- Page Background: Page BG Color
- Theme: Dark Mode

Add H1 Heading
Add H2 Heading
Add Paragraph
Add Unordered List
Add Ordered List
Add Link
Add Image

Undo
Redo

Preview
Clear All
Save to File

HTML Preview

```
<!DOCTYPE html>
<html>
<head>
<title>Generated HTML</title>
<meta charset="UTF-8">
<style>body { margin: 20px; background-color: #ffffff; }</style>
</head>
<body>
</body>
</html>
```

