

Okorie Success

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Computer Science

## SDLC Phases for the Simple HTML Program

### 1. Requirement Analysis

- Goal: Create a very basic webpage that displays a heading, some text, and a link.
- Constraints: Must use only HTML (no CSS, no JavaScript).
- Example requirement: "Show a welcome message, a short description, and a link to another site."

### 2. Planning

- Scope: One static HTML file.
- Tools: Any text editor (Notepad, VS Code).
- Timeline: Minutes to complete.
- Resources: No external libraries or frameworks needed.

### 3. Design

- Structure of the page:
  - Title in the browser tab.
  - Heading (`<h1>`) for the welcome message.
  - Paragraphs (`<p>`) for description.
  - Link (`<a>`) for navigation.
- Wireframe (conceptual):
  -

[Heading]

[Paragraph]

[Link]

#### 4. Implementation (Coding)

- Write the HTML code:

```
'html
<!DOCTYPE html>

<html>
  <head>
    <title>My Simple HTML Page</title>
  </head>
  <body>
    <h1>Welcome to My Page</h1>
    <p>Hello! This is a simple HTML program without CSS or JavaScript.</p>
    <p>You can add text, headings, and links like this:</p>
    <a href="https://example.com">Visit Example</a>
  </body>
</html>
```

#### 5. Testing

- Open the file in a browser.

- Verify:
  - Heading displays correctly.
  - Paragraphs show as expected.
  - Link works and redirects to the target site.
- Fix any typos or broken tags

## 6. Deployment

- Save the file as index.html.
- Upload to a web server (or simply open locally in a browser).
- Share the file or URL.

## 7. Maintenance

- Update text content when needed.
- Change the link if the target site changes.
- Expand later with CSS or JavaScript if desired