

# Einführung in HTML

„To publish information for global distribution, one needs a universally understood language, a kind of publishing mother tongue that all computers may potentially understand.

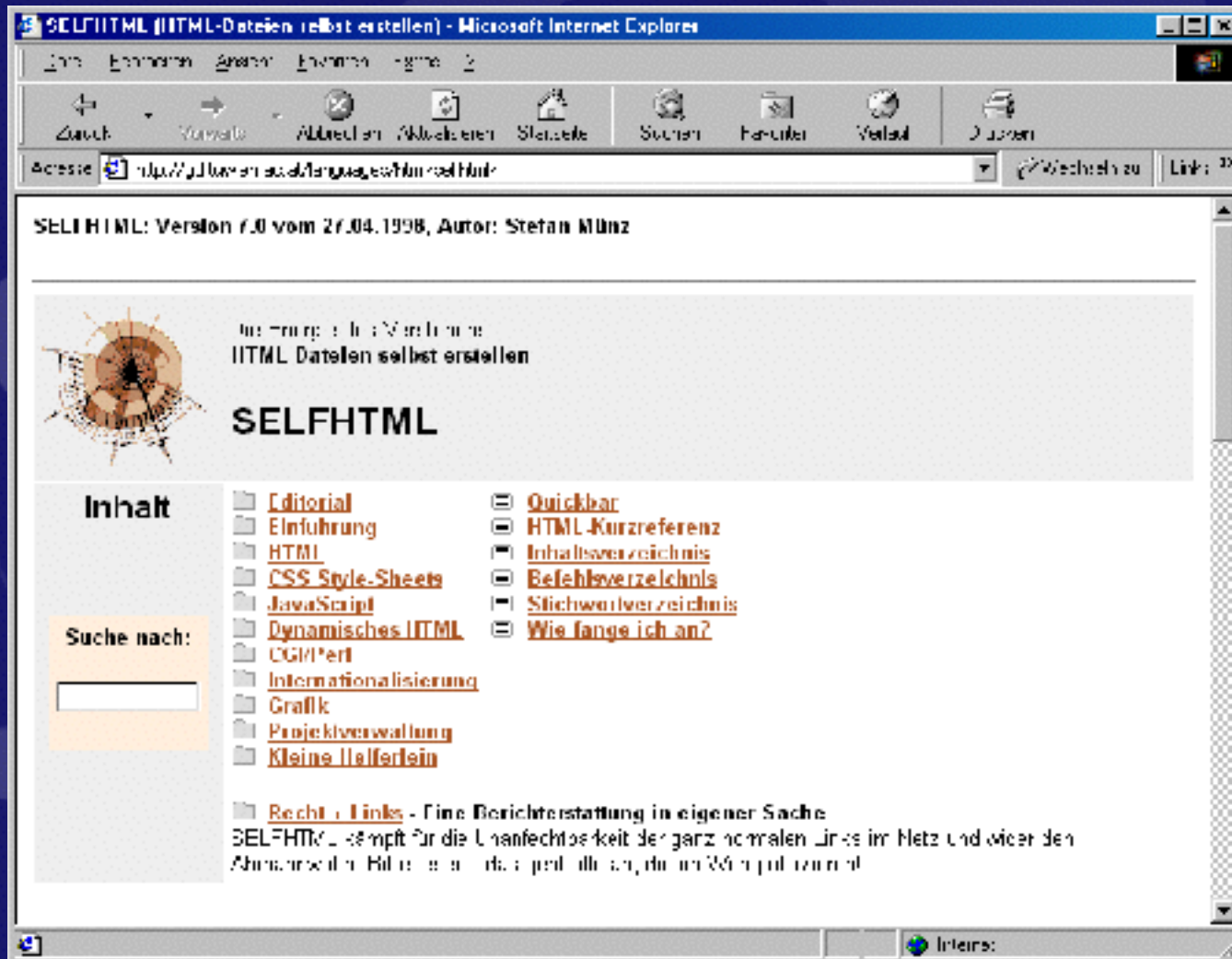
The publishing language used by the World Wide Web is HTML.“

HTML 4.01 Specification

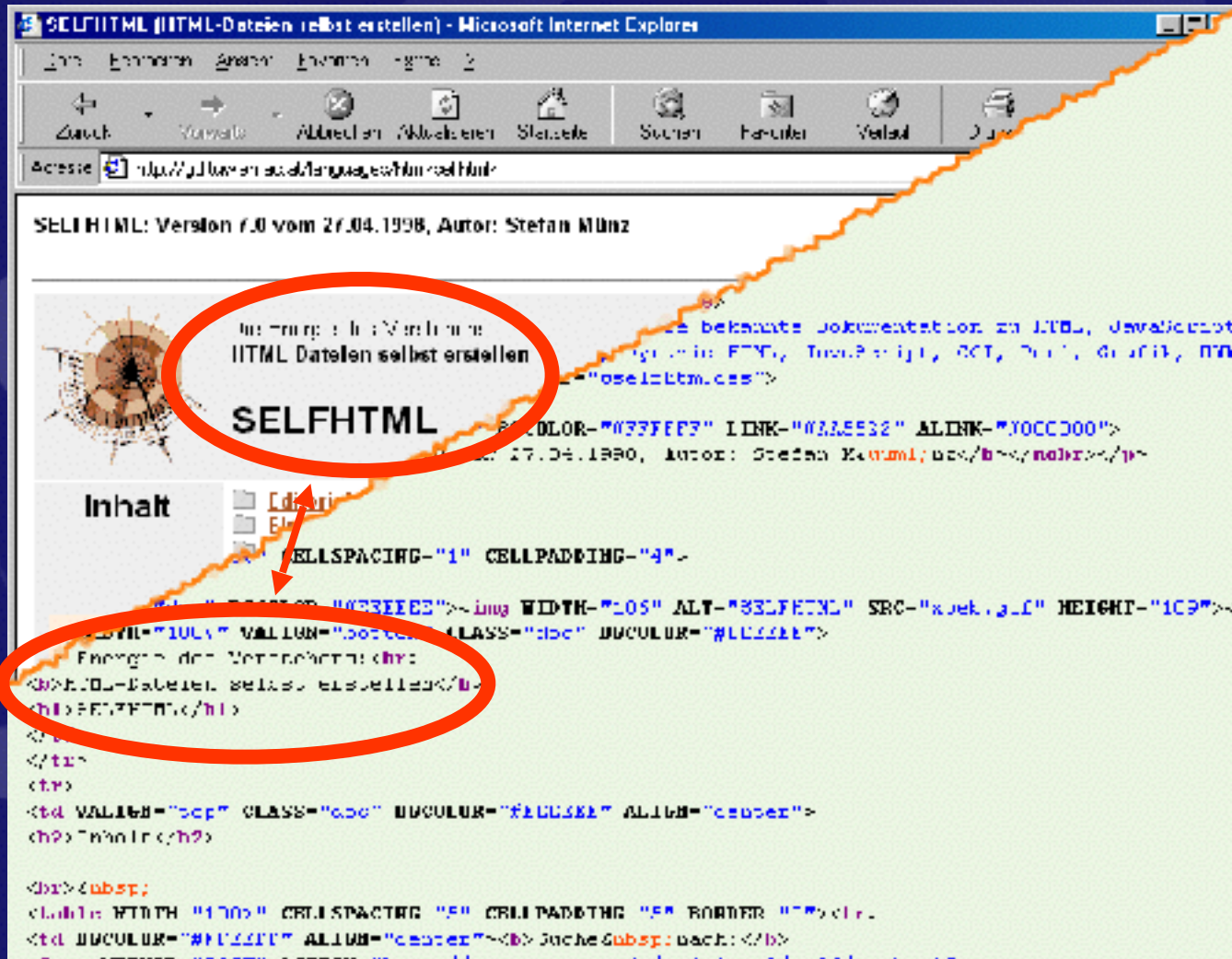
# HTML – wofür?

„Die Sprache des WWW“

# HTML – wofür?



# HTML – wofür?



# Akronymymanie

**WWW ... World Wide Web**

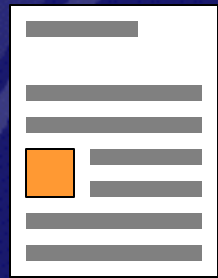
**HTML ... Hypertext Markup Language**

**HTTP ... Hypertext Transfer Protocol**

**FTP ... File Transfer Protocol**

**CSS ... Cascading Style Sheets**

# Begriffsentwerrung



Webpage



Website

# Erstellen einer Webpage

## Benötigte Werkzeuge

- **Text-Editor**

Windows Editor, Textpad, Ultraedit, Editplus, Emacs, ...

- **Webbrowser**

Internet Explorer, Netscape, Opera, ...

# Erstellen einer Webpage

## Praktische Werkzeuge

- **Grafikprogramm**

Adobe Photoshop, Corel Photopaint, Paint Shop Pro, ...

- **HTML-Editor**

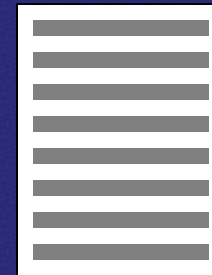
MS Frontpage, Macromedia Dreamweaver, Adobe GoLive!, ...



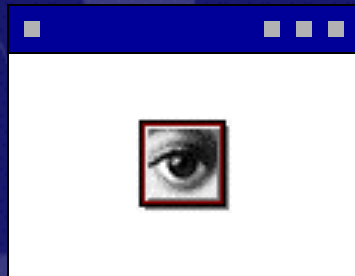
# Erstellen einer Webpage



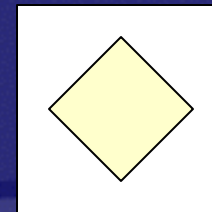
Editor



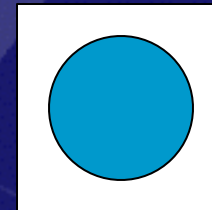
Quellcode



Grafikprogramm

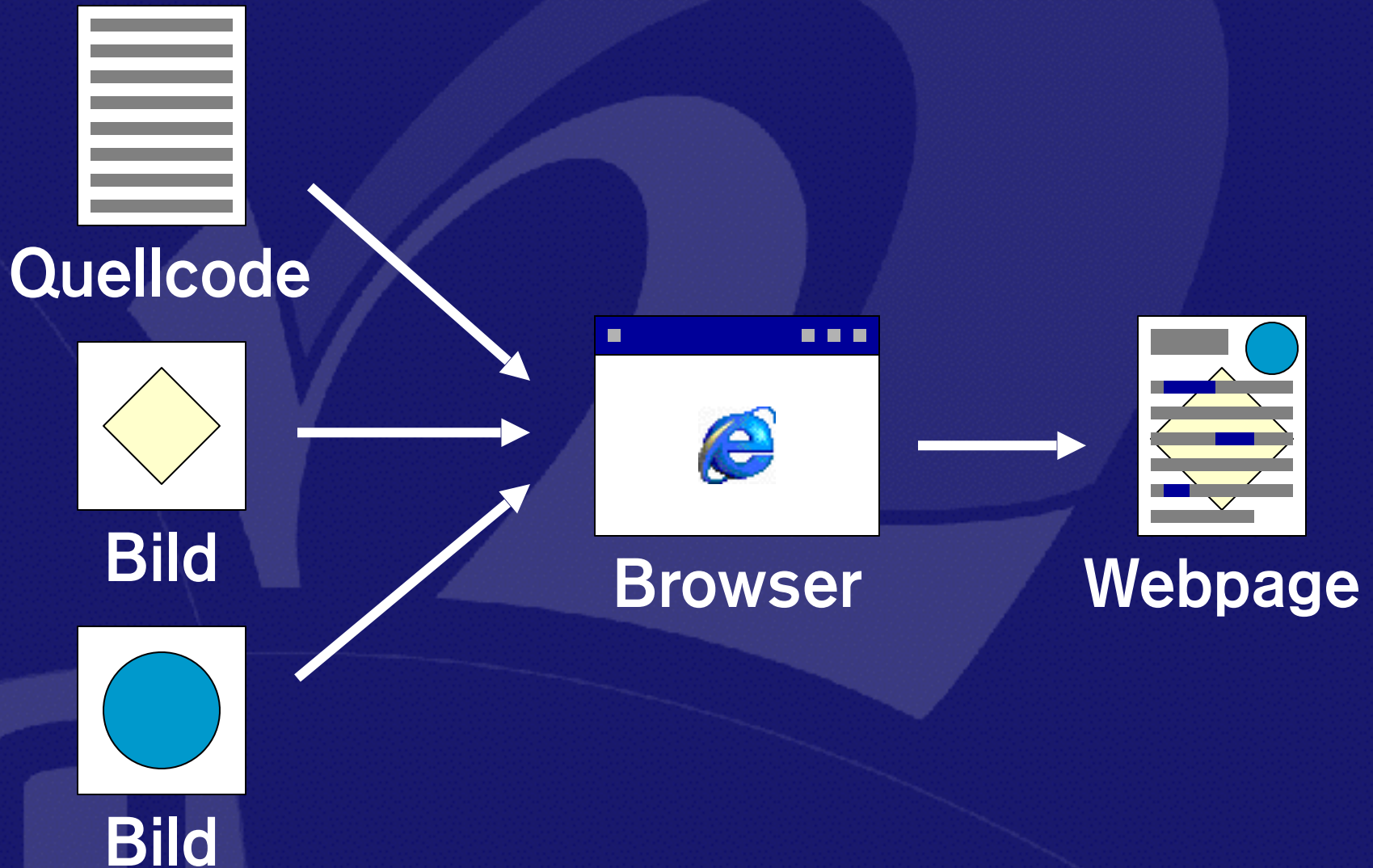


Bild



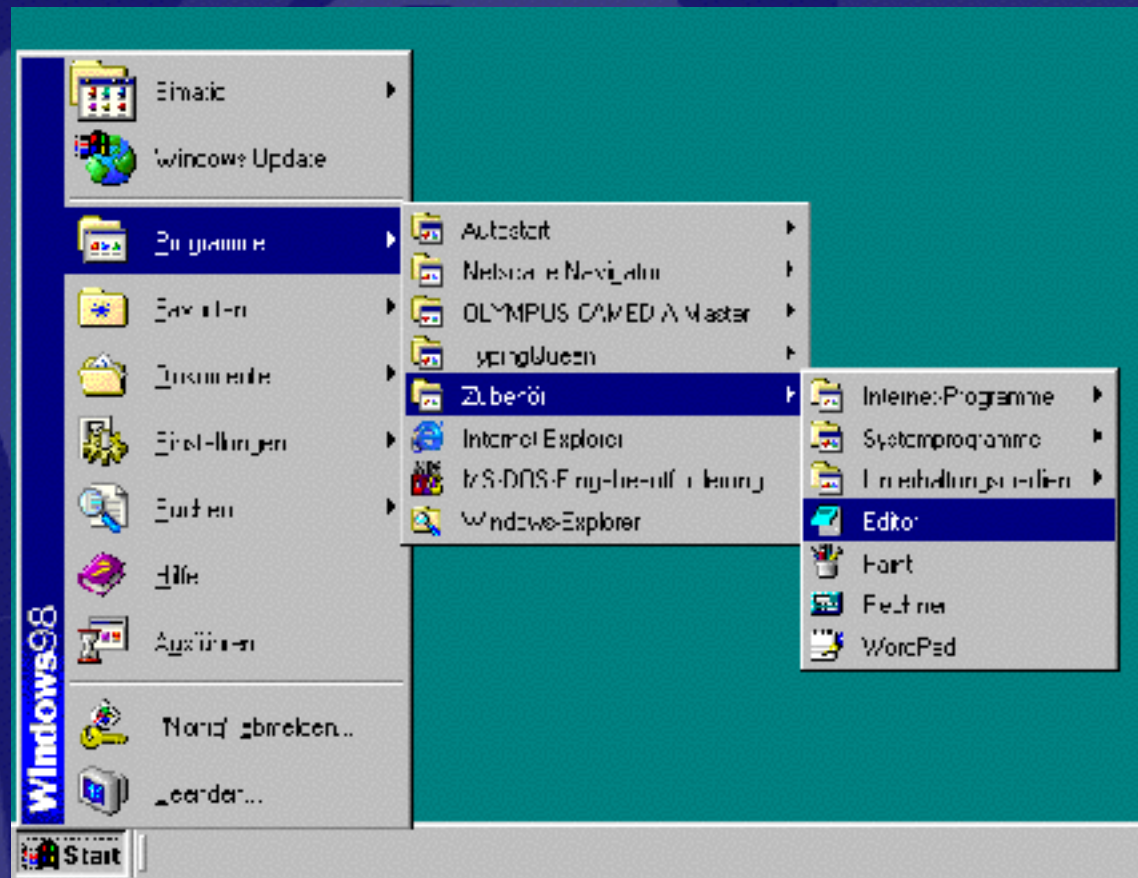
Bild

# Betrachten einer Webpage



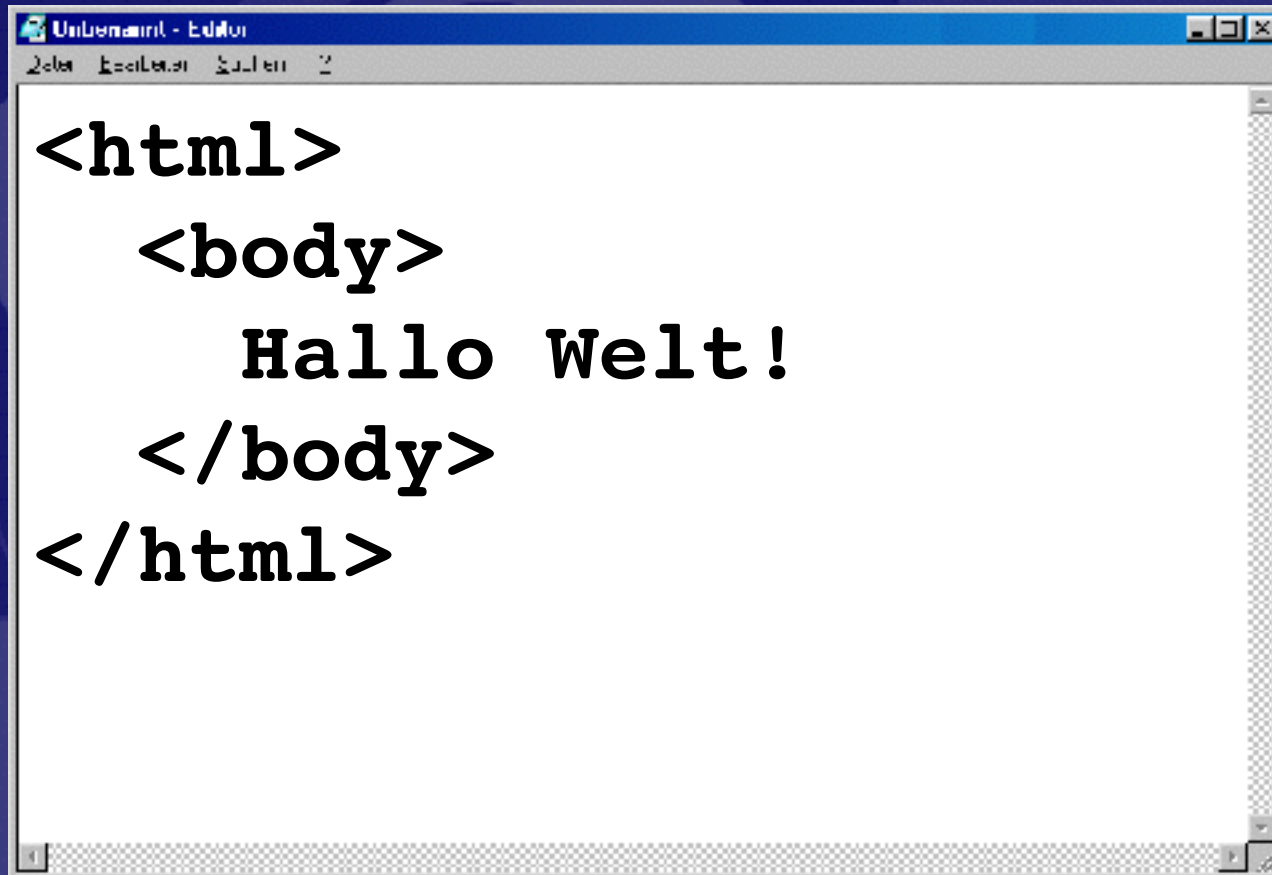
# Wir basteln

## Editor starten



# Wir basteln

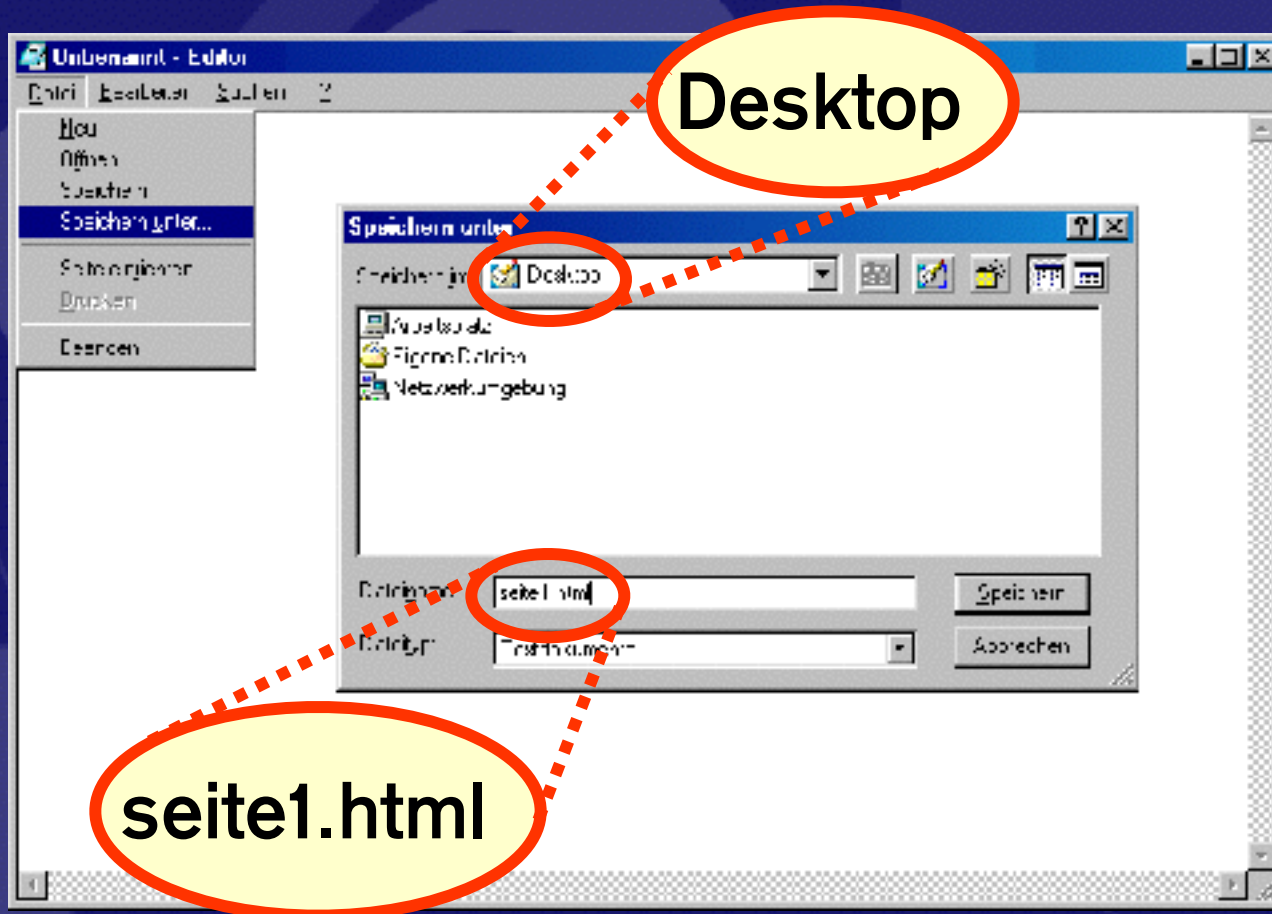
## Quellcode schreiben

A screenshot of a Windows Notepad window titled "Unbenannt - Editor". The window contains the following HTML source code:

```
<html>
  <body>
    Hallo Welt!
  </body>
</html>
```

# Wir basteln

## Datei speichern



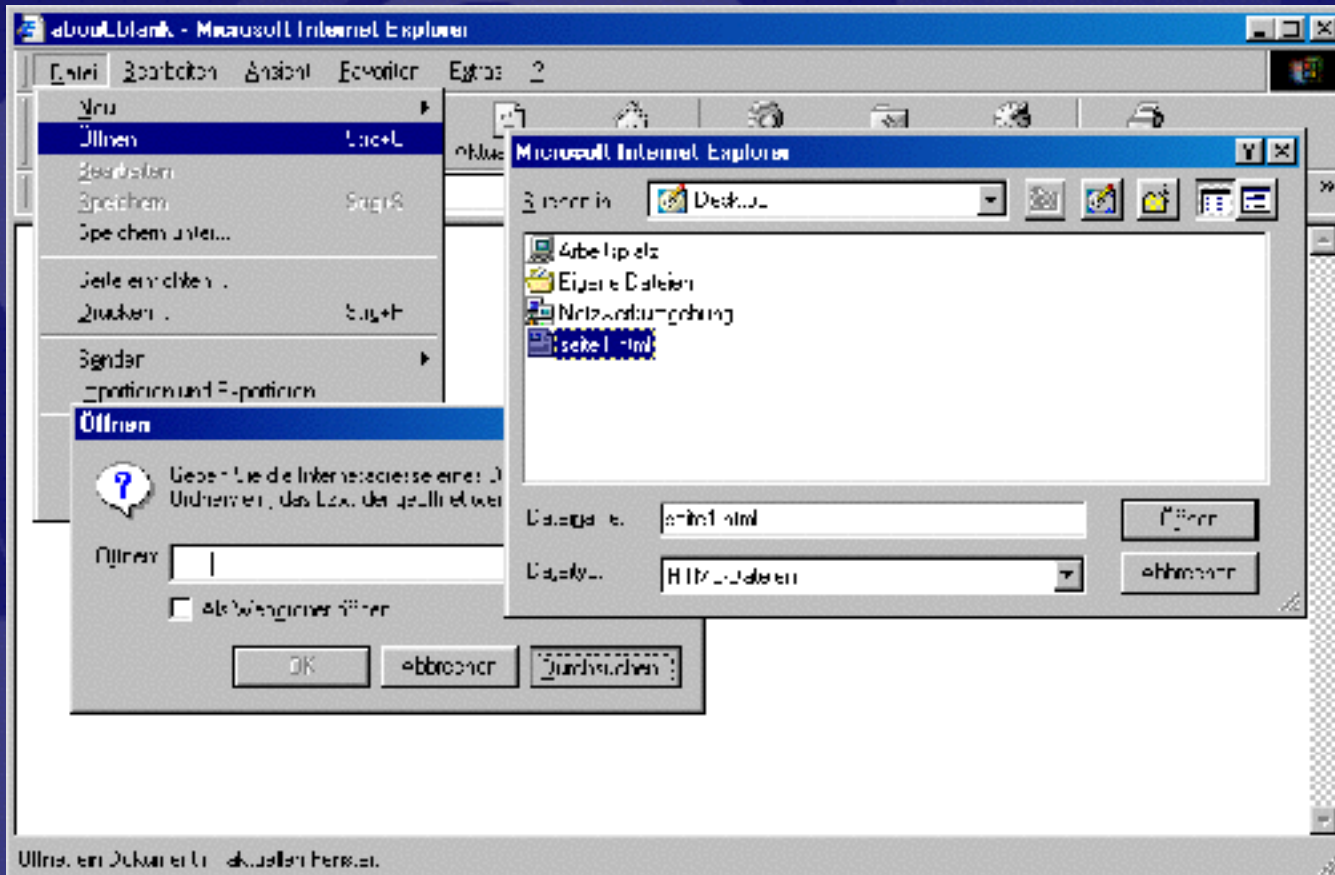
# Wir basteln

## Regeln für Dateinamen

- Keine Umlaute
- Keine Leerzeichen
- Groß-/Kleinschreibung beachten

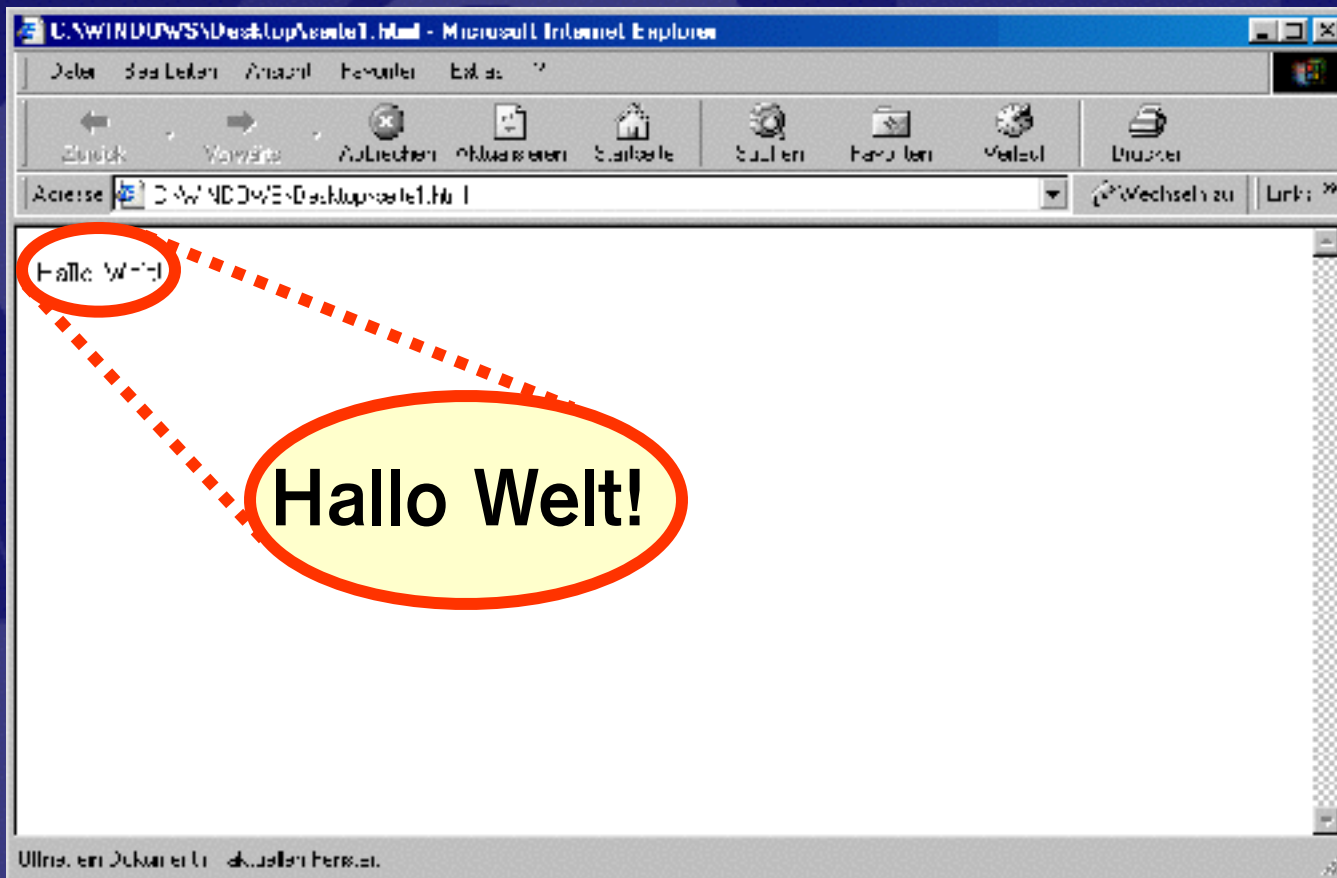
# Wir basteln

## Datei im Browser öffnen



# Wir basteln

... et voilà





# Wie funktioniert HTML?

## HTML Quellcode

```
<html>  
  <body>  
    Hallo Welt!  
  </body>  
</html>
```

# Wie funktioniert HTML?

## Content

```
<html>  
  <body>  
    Hallo Welt!  
  </body>  
</html>
```

# Wie funktioniert HTML?


## Tags

```
<html>  
  <body>  
    Hallo Welt!  
  </body>  
</html>
```

# Wie funktioniert HTML?

## Öffnende und schließende Tags

```
<html>  
  <body>  
    Hallo Welt!  
  </body>  
</html>
```



# Wie funktioniert HTML?

## Grundgerüst einer HTML-Datei

```
<html>  
  <head>  
    ...  
  </head>  
  <body>  
    ...  
  </body>  
</html>
```

← Metainformation

← Content

# HTML-Referenz

## Metainformationen

- Titel

```
<title> ... </title>
```

- Zeichensatz

```
<meta http-equiv="Content-Type"  
      content="text/html; charset=iso-8859-1">
```

# HTML-Referenz

## Logische Textauszeichnungen

- Überschrift

```
<h1> ... </h1>
```

- Absatz

```
<p> ... </p>
```

# HTML-Referenz

## Logische Textauszeichnungen

- Hervorgehoben

```
<strong> ... </strong>
```

- Betont

```
<em> ... </em>
```



# HTML-Referenz

## Weitere Tags

- Zeilenumbruch

```
<br>
```

- Bild

```

```

# Cascading Stylesheets

## Beispiel für CSS-Formatdefinition

```
<style type="text/css">
  body { background-image: url("bg.gif"); }
  h1   { color: lightgreen;
        font-size: 12pt;
        text-align: center; }
  em   { font-weight: bold;
        background-color: red; }
</style>
```

# Farbe in HTML

<http://www.screenexa.net/html/farbtabs.htm>



## Weiterführende Links

### Vollständige HTML-Referenz

<http://gd.tuwien.ac.at/languages/html/selfhtml/tl.htm>

### CSS-Referenz

<http://gd.tuwien.ac.at/languages/html/selfhtml/tdc.htm>