



STT-NF

Pemrograman Web

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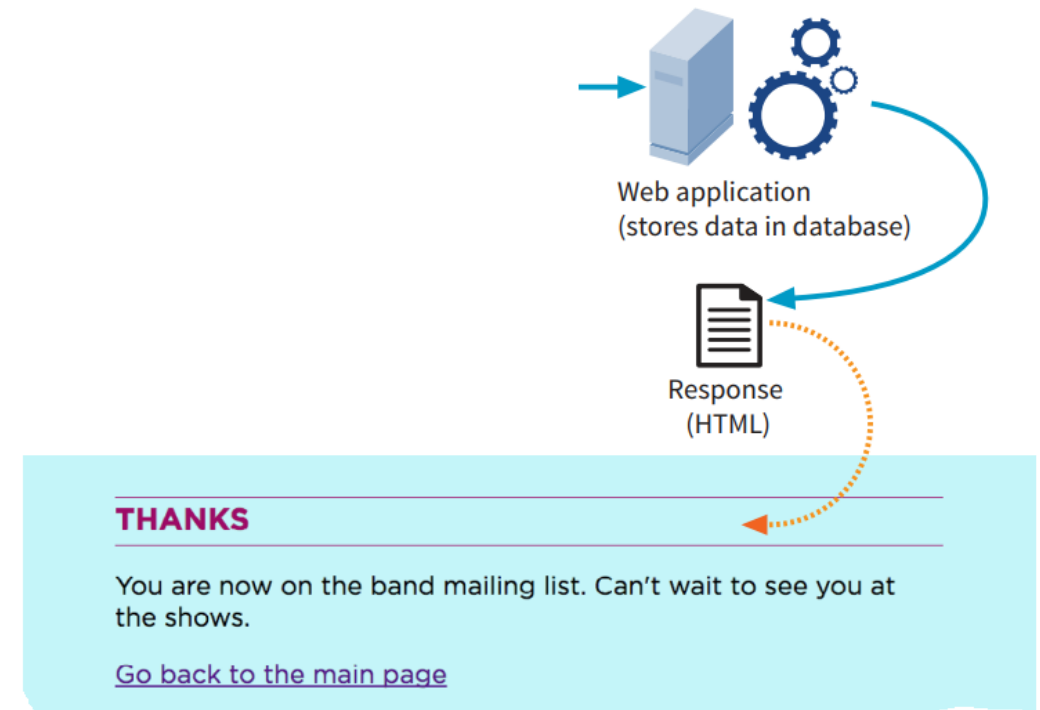
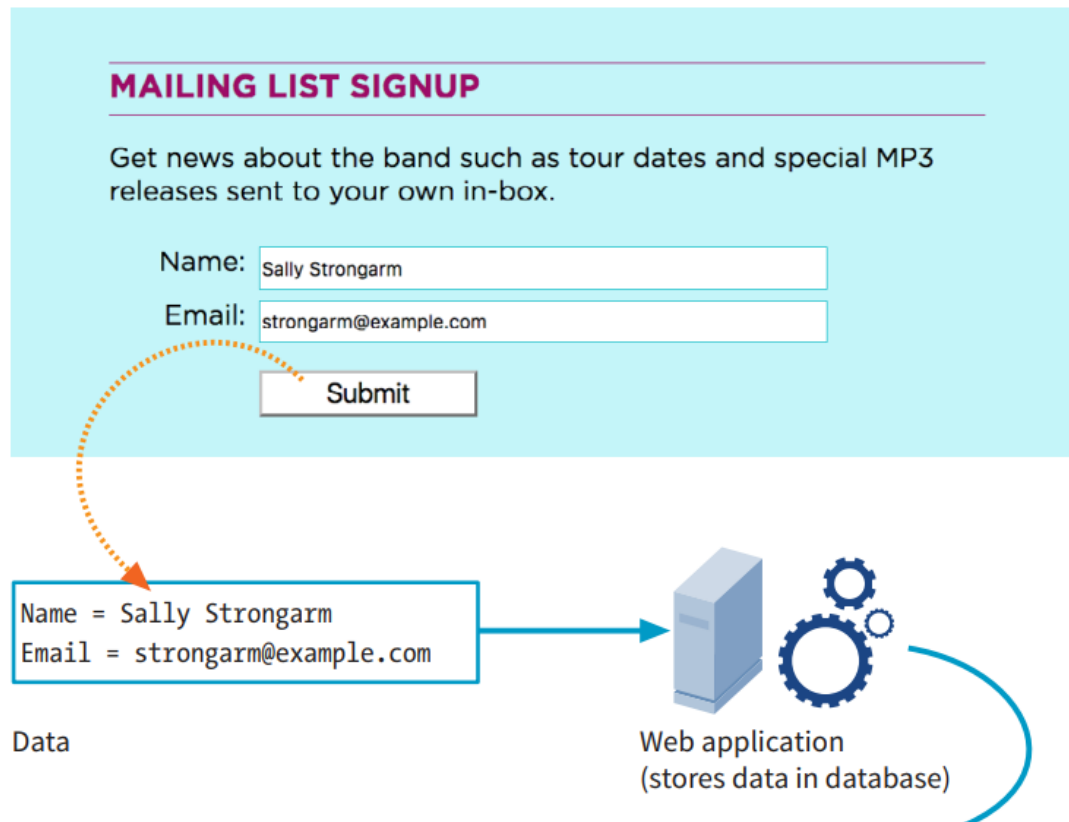
dev.xbata.com



@rojulman

4. HTML: FORM

- Form digunakan untuk mengumpulkan data/informasi dari pengguna
- Data akan di proses di Server dengan Aplikasi Web.



`<form>...</form>`

Interactive form

```
<body>
  <h1>Mailing List Signup</h1>

  <form action="/mailinglist.php" method="POST">
    <fieldset>
      <legend>Join our email list</legend>
      <p>Get news about the band such as tour dates and special MP3
releases sent to your own in-box.</p>
      <ol>
        <li><label for="firstlast">Name:</label>
          <input type="text" name="fullname" id="firstlast"></li>
        <li><label for="email">Email:</label>
          <input type="text" name="email" id="email"></li>
      </ol>
      <input type="submit" value="Submit">
    </fieldset>
  </form>

</body>
```

MAILING LIST SIGNUP

Get news about the band such as tour dates and special MP3 releases sent to your own in-box.

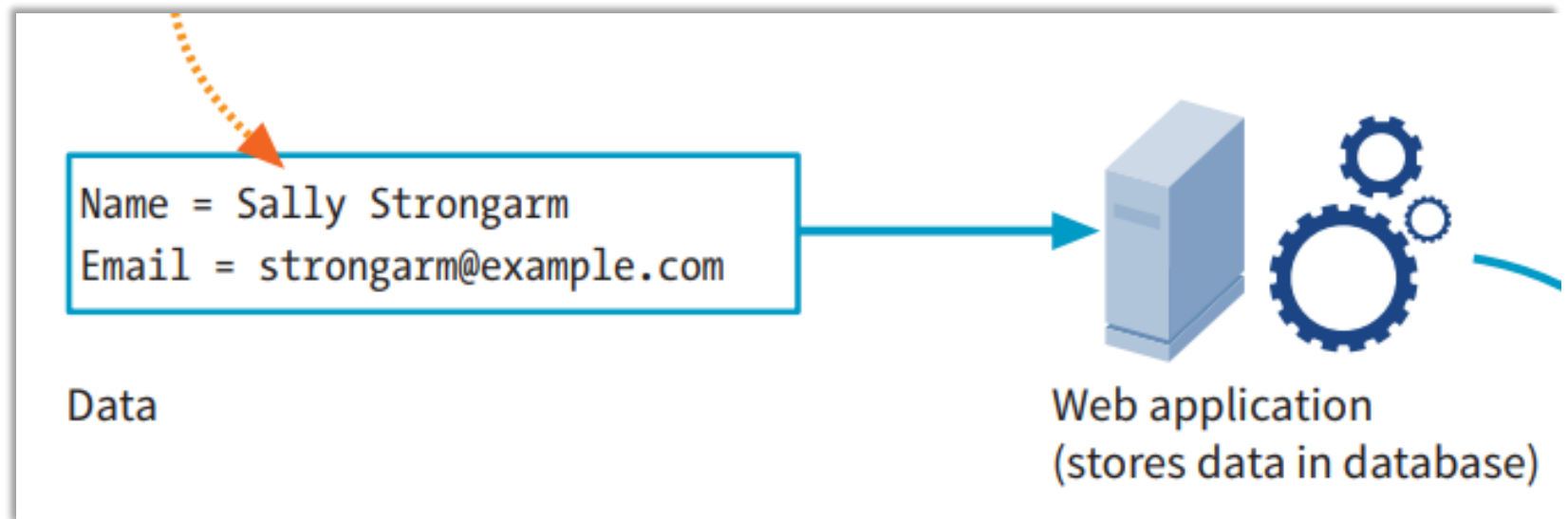
Name:

Email:

Form: Action Attribute

```
<form action="/mailinglist.php" method="POST">...</form>
```

- Data yang dikirim oleh form akan di proses pada program di sisi server:
 - PHP
 - ASP
 - JSP
 - Python
 - Ruby
 - C# .NET



```
<form action = "Script URL" method = "GET|POST">  
    form elements like input, textarea etc.  
</form>
```

Atribute	Deskripsi
action	Skrip backend yang akan memproses isian Form
method	Method yang digunakan untuk kirim data, POST/GET
target	Tentukan spesifik target yang diinginkan, isian: _blank, _self, _parent
enctype	Tipe enkripsi data yang dikirim, biasanya untuk kirim atau upload file - mutlipart/form-data : untuk upload file binary gambar, dokumen file lain

Form: Control dan Elemen

Form Controls	Function
<code><input></code>	Defines a form control for user input.
<code><button>...</button></code>	Defines a button.
<code><textarea>...</textarea></code>	Defines a form control for multi-line user text input.
<code><select>...</select></code>	Used to create a drop-down list.
<code><datalist>...</datalist></code>	Used to create a drop-down list that suggests possible values from a range of values, based on what the user types in.
<code><option>...</option></code>	Defines an option in a select or datalist list.
Elements Used with Controls	Function
<code><label>...</label></code>	Used to associate a label with a control.
<code><output>...</output></code>	Used to display the result of a calculation or user action.
<code><progress>...</progress></code>	Used to display the completion progress of a task.
<code><meter>...</meter></code>	Used to display a level within a range.
<code><optgroup>...</optgroup></code>	Used to group options on a drop-down list.
<code><fieldset>...</fieldset></code>	Used to group controls. Also, it encloses them in a border.
<code><legend>...</legend></code>	Used to display a caption for the content of its parent <code><fieldset></code> element.
<code><keygen></code>	Although this element was introduced in HTML5, it has been deprecated and will no longer be supported by browsers, so its use is discouraged.

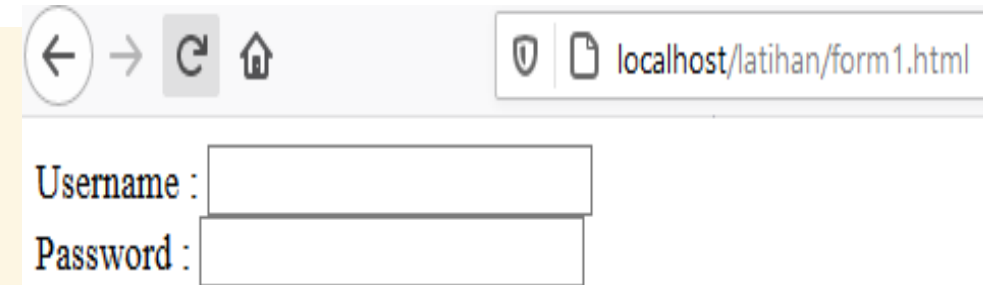
HTML Text Input

Atribut	Deskripsi
type	Tipe kontrol input: text, password,email,url, tel, search, hidden
name	Nama kontrol yang akan dikirim ke sisi server
value	Nilai control yang akan dikirim ke sisi server
Size	Lebar kontrol (dalam satuan karakter)
Maxlenght	Maksimum jumlah karakter yang boleh di input

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Form Login</title>
5  </head>
6  <body>
7      <form method="POST" action="login.php">
8          Username : <input type="text" name="username"/>
9          <br/>
10         Password : <input type="password" name="password"/>
11     </form>
12 </body>
13 </html>

```



HTML5 Input Type

- Inputan user diarahkan sesuai dengan kebutuhan aplikasi
- Meminimalkan kesalahan input
- Gunakan tag `<label>` untuk arahan informasi inputan yang berkesesuaian

`<label>...</label>`

Attaches information to form controls

New HTML5 Form input Types

3.2.1	input Type color
3.2.2	input Type date
3.2.3	input Type datetime
3.2.4	input Type datetime-local
3.2.5	input Type email
3.2.6	input Type month
3.2.7	input Type number
3.2.8	input Type range
3.2.9	input Type search
3.2.10	input Type tel
3.2.11	input Type time
3.2.12	input Type url
3.2.13	input Type week

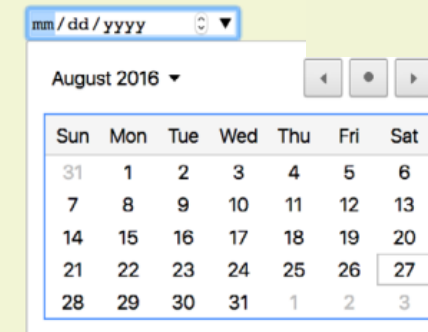
HTML5 Input Type : Color & Date Time

```

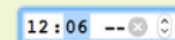
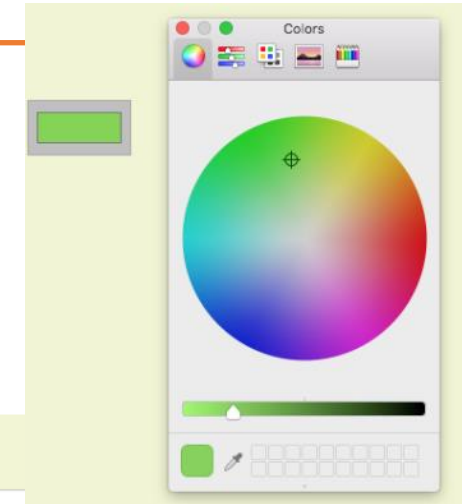
7 <h1>HTML5 New Input Form</h1>
8 <form method="POST" action="http://dev.xbata.com">
9   <p>
10     <label> Color :
11       <input type="color" autofocus/>(hexadecimal)
12     </label>
13   </p>
14   <p>
15     <label>Tanggal :
16       <input type="date"/>(mm-dd-yyyy)
17     </label>
18   </p>
19   <p>
20     <label>Jam Tanggal
21       <input type="datetime-local"/>(mm-dd-yyyy, hh:mm)
22     </label>
23   </p>
24 </form>

```

input type="date"



input type="time"

HTML5 Input Type : Number & Password

```
<label>Number of guests <input type="number" name="guests" min="1" max="6"></label>
```

Number of guests:

```
<label>Satisfaction (0 to 10) <input type="range" name="satisfaction" min="0" max="10" step="1"></label>
```

Satisfaction (from 0 to 10):

```
<li><label for="form-pswd">Password:</label><br>
<input type="password" name="pswd" maxlength="12" id="form-pswd"></li>
```

Password:

HTML5 Input Type : File

- Digunakan untuk upload/kirim file ke server
- Ditambahkan atribut enctype pada Form

```
<form action="/client.php" method="POST" enctype="multipart/form-data">  
  <label>Send a photo to be used as your online icon <em>(optional)  
</em><br>  
  <input type="file" name="photo"></label>  
</form>
```

Send a photo to be used as your online icon (*optional*):

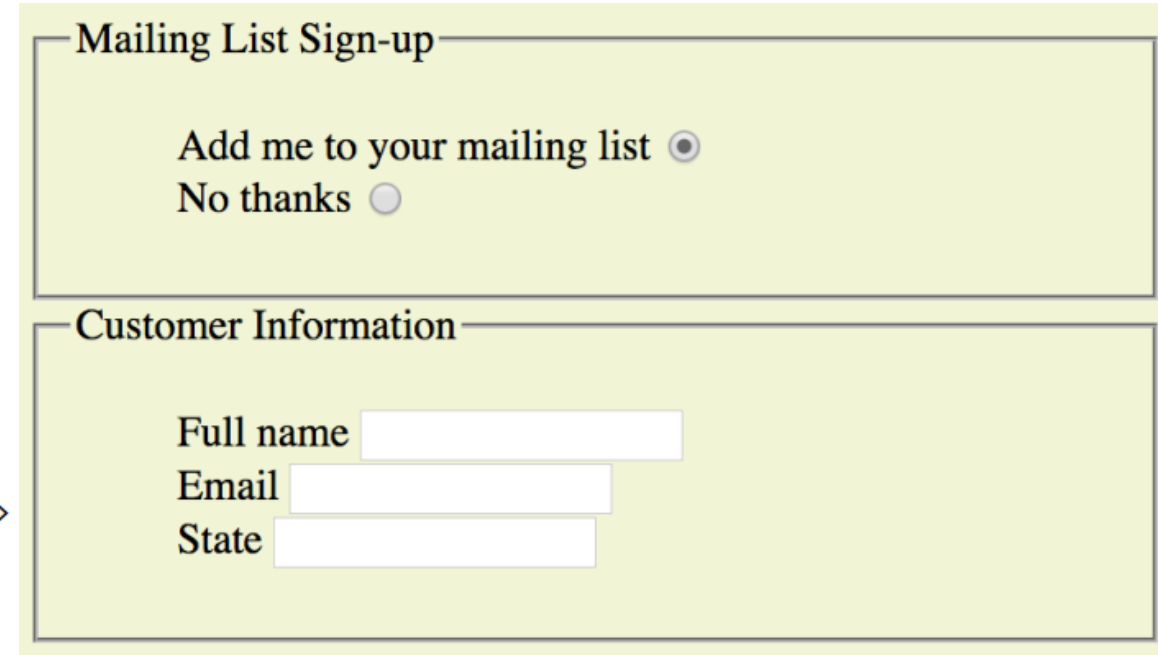
Choose File No file chosen

Fieldset dan Legend

- Fieldset: mengelompokkan logical control dari control2 pada form
- Legend: berisi informasi dari kelompok control

```
<fieldset>
  <legend>Mailing List Sign-up</legend>
  <ul>
    <li><label>Add me to your mailing list <input type="radio"
      name="list" value="yes" checked></label></li>
    <li><label>No thanks <input type="radio" name="list" value="no">
</label></li>
  </ul>
</fieldset>

<fieldset>
  <legend>Customer Information</legend>
  <ul>
    <li><label>Full name: <input type="text" name="fullname"></label>
</li>
    <li><label>Email: <input type="text" name="email"></label></li>
    <li><label>State: <input type="text" name="state"></label></li>
  </ul>
</fieldset>
```



Mailing List Sign-up

Add me to your mailing list ☒

No thanks ☐

Customer Information

Full name

Email

State

Dropdown Menu : SELECT

- Elemen form berisi daftar list pilihan bentuk dropdown menu list

```
<p>What is your favorite 80s band?
<select name="EightiesFave">
  <option>The Cure</option>
  <option>Cocteau Twins</option>
  <option>Tears for Fears</option>
  <option>Thompson Twins</option>
  <option value="EBTG">Everything But the Girl</option>
  <option>Depeche Mode</option>
  <option>The Smiths</option>
  <option>New Order</option>
</select>
</p>
```

What is your favorite 80s band?

Dropdown Menu : SELECT

- Scrolling menu, memungkinkan user memilih lebih dari satu item
- Tambahkan attribute size dan multiple

```
<p>What 80s bands did you listen to?  
<select name="EightiesBands" size="6" multiple>  
  <option>The Cure</option>  
  <option>Cocteau Twins</option>  
  <option selected>Tears for Fears</option>  
  <option selected>Thompson Twins</option>  
  <option value="EBTG">Everything But the Girl</option>  
  <option>Depeche Mode</option>  
  <option>The Smiths</option>  
  <option>New Order</option>  
</select>  
</p>
```

What 80s bands did you listen to?

The Cure
Cocteau Twins
Tears for Fears
Thompson Twins
Everything But the Girl
Depeche Mode

Dropdown Menu : SELECT

- Grouping menu, memungkinkan mengelompokkan pilihan item
- Gunakan tag optgroup dengan atribut label

```
<select name="icecream" size="7" multiple>  
  <optgroup label="traditional">  
    <option>vanilla</option>  
    <option>chocolate</option>  
  </optgroup>  
  <optgroup label="fancy">  
    <option>Super praline</option>  
    <option>Nut surprise</option>  
    <option>Candy corn</option>  
  </optgroup>  
</select>
```



Radio Button

- Elemen inputan berupa pilihan yang wajib dipilih dari beberapa alternatif yang ditawarkan

```
<p>How old are you?</p>
<ol>
  <li><input type="radio" name="age" value="under24" checked> under
  24</li>
  <li><input type="radio" name="age" value="25-34"> 25 to 34</li>
  <li><input type="radio" name="age" value="35-44"> 35 to 44</li>
  <li><input type="radio" name="age" value="over45"> 45+</li>
</ol>
```

How old are you?

- ☒ under 24
- ☐ 25 to 34
- ☐ 35 to 44
- ☐ 45+

Checkbox

- Elemen inputan berupa pilihan yang optional (boleh di pilih atau tidak dipilih) dari beberapa alternatif yang ditawarkan

```
<h1>Kendaraan Yang Anda Miliki:</h1>
<form action="/action_page.php">
  <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike">
  <label for="vehicle1"> I have a bike</label><br>
  <input type="checkbox" id="vehicle2" name="vehicle2" value="Car">
  <label for="vehicle2"> I have a car</label><br>
  <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat">
  <label for="vehicle3"> I have a boat</label><br><br>
  <input type="submit" value="Submit">
</form>
```

Kendaraan Yang Anda Miliki:

- ☒ I have a bike
- ☒ I have a car
- ☐ I have a boat

Submit

Input Type – Dropdown Suggestion

- Datalist menyediakan pilihan untuk dipilih satu oleh user (mirip seperti SELECT Menu)
- Gunakan atribut list dan name untuk id list yang dirujuk

`<datalist>...</datalist>`

Drop-down menu input

```
<p>Education completed: <input type="text" list="edulevel"
name="education">
```

```
<datalist id="edulevel">
  <option value="High School">
  <option value="Bachelors Degree">
  <option value="Masters Degree">
  <option value="PhD">
</datalist>
```

Education completed:

- High School
- Bachelors Degree
- Masters Degree
- PhD

Button - Tombol

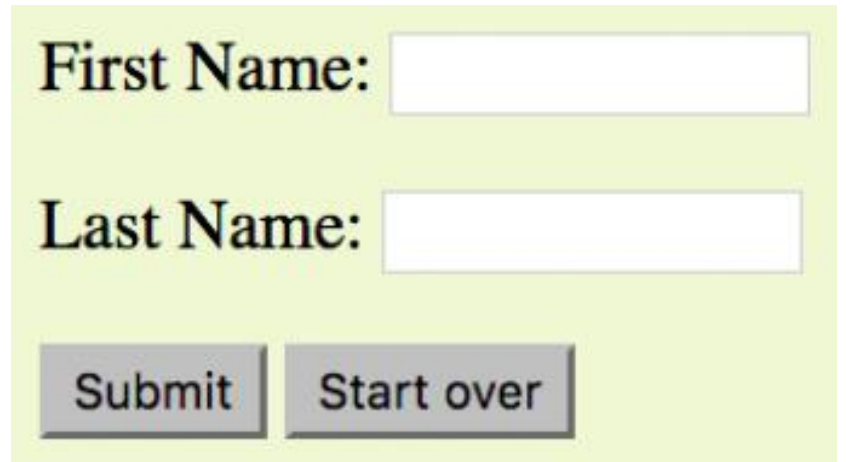
- Terdapat dua pilihan tipe button
 - Submit : Jika ditekan data form dikirim
 - Reset : Jika ditekan data form akan di kosongkan kembali

```
<input type="submit">
```

Submits the form data to the server

```
<input type="reset">
```

Resets the form controls to their default settings



First Name:

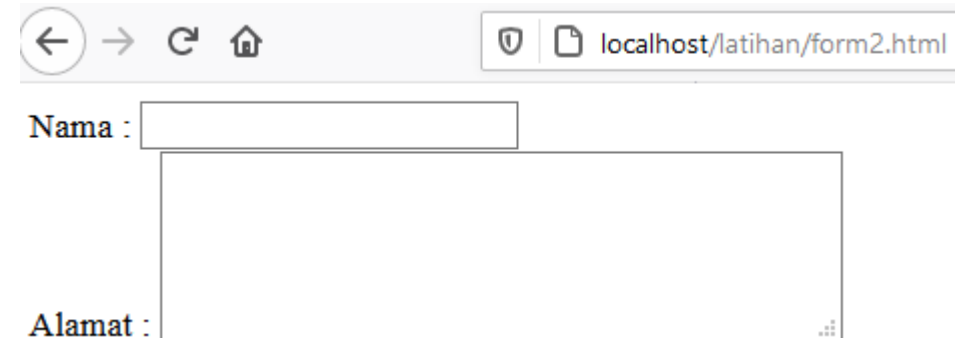
Last Name:

```
<p><input type="submit"> <input type="reset" value="Start over"></p>
```

HTML Multi Text Input : TextArea

Atribute	Deskripsi
name	Nama kontrol yang akan dikirim ke sisi server
cols	Jumlah kolom dari area text box
rows	Jumlah baris dari area text box

```
<form method="POST" action="biodata.php">
  Nama : <input type="text" name="username"/>
  <br/>
  Alamat : <textarea name="alamat" cols="40" rows="3"></textarea>
  <br/>
</form>
```



Buat form seperti Gambar 1
Dan halaman hasil inputan seperti Gambar 2
Check Kode Program anda dengan validator, pastikan tidak ada error !!

Black Goose Bistro | Pizza-on-Demand

Our 12" wood-fired pizzas are available for delivery. Build your custom pizza and we'll deliver it within an hour.

Your Information

Name:

Address:

Telephone Number:

Email:

Delivery instructions:

*Limit characters and add placeholder text
"No more than 400 characters long"*

Design Your Dream Pizza:

Pizza specs

Crust (Choose one):

☐ Classic white

☐ Multigrain

☐ Cheese-stuffed crust

☐ Gluten-free

Toppings (Choose as many as you want):

☒ Red sauce

☐ White sauce

☐ Mozzarella Cheese

☐ Pepperoni

☐ Mushrooms

☐ Peppers

☐ Anchovies

Number

How many pizzas:

Bring me a pizza!

Change the Submit button text.

*This form should be sent to
<http://blackgoosebistro.com/pizza.php>
via the POST method.*

*Name the text fields **customername**,
address, **telephone**, **email**, and
instructions, respectively.*

*Name the controls in this section **crust**,
toppings[], and **number**, respectively.*

*Note that the brackets ([]) after "toppings"
are required in order for the script to
process it correctly.*

*Make sure "red sauce" is
selected when the page loads.*

*Pull down menu for
ordering up to 6 pizzas.*

Gambar 1

Tugas Praktikum 3.1

THANK YOU

Thank you for ordering from Black Goose Bistro. We have received the following information about your order:

Your Information

Name: Jennifer Robbins
Address: 123 Street
Telephone number: 555-1212
Email Address: jen@example.com

Delivery instructions: Ring the middle buzzer. If nobody answers, text me.

Your pizza

Crust: white
Toppings: red sauce, mozzarella, pepperoni, mushrooms
Number: 1

This site is for educational purposes only. No pizzas will be delivered.

Gambar 2

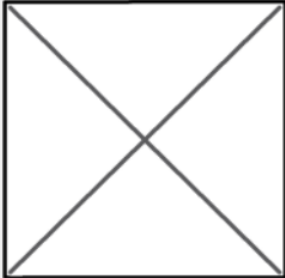
Tugas Praktikum 3.2

Buat form Pesanan
Barang, seperti
Gambar, Gunakan Tag
HTML dan CSS Inline
Style

A Web Page

http://

Home | Generate Link | Transaction History | Policy | Logout



Upload Picture

Title Here : MacBook Air £800

Description : Year : 2009
Model :
Condition : Mint

Account Number : 123-456-789-0

Bank : HSBC

Account Holder : Name Here

Transaction : 1

* if the transaction is for 3 person, choose 3 from the drop-down list

☒ Send to Mobile Phone

☒ Send to Email

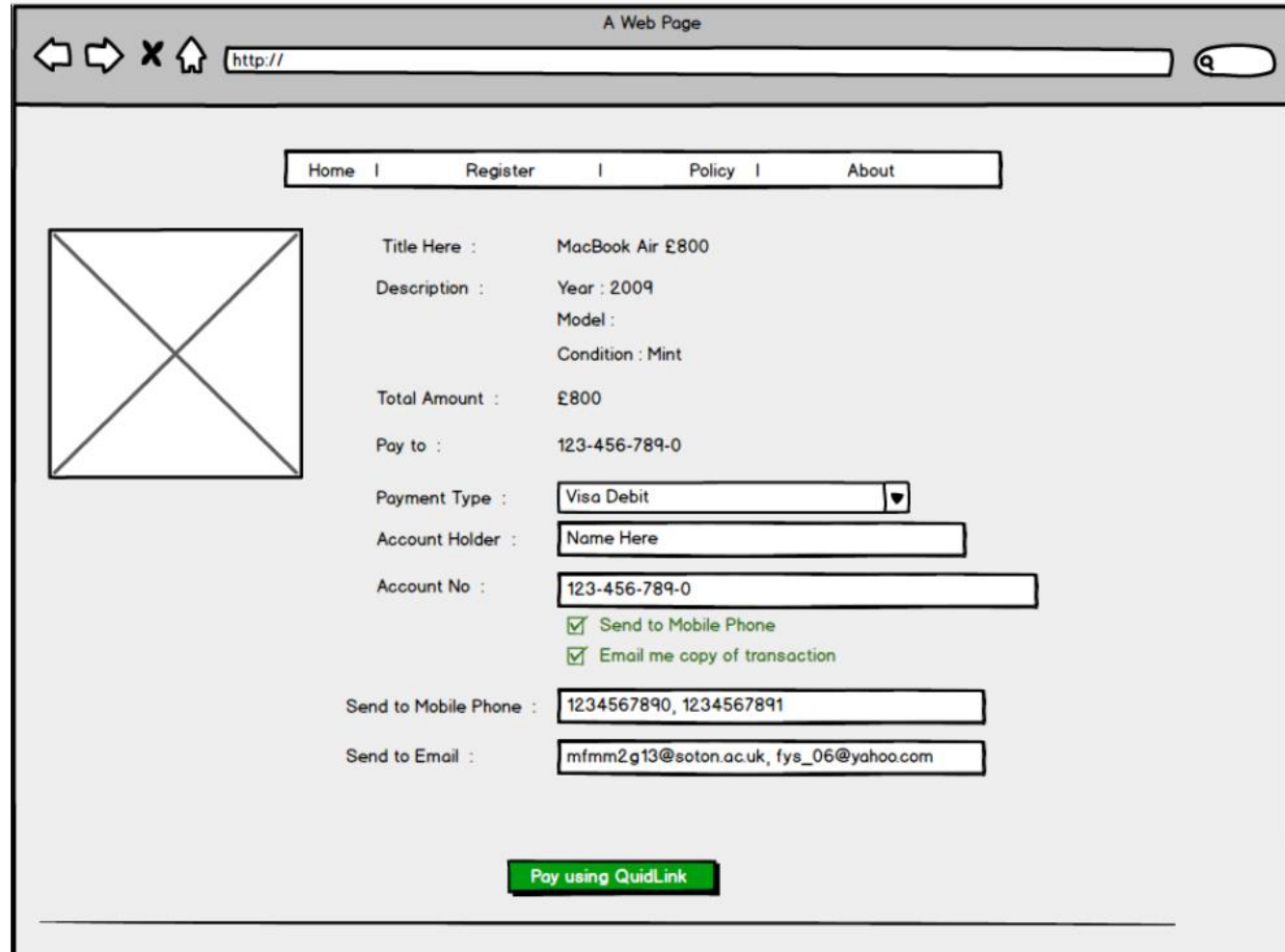
Send to Mobile Phone : 1234567890, 1234567891

Send to Email : mfmm2g13@soton.ac.uk, fys_06@yahoo.com

Generate Nabr Link

Tugas Praktikum 3.2

Buat form Pesanan
Barang, seperti
Gambar, Gunakan Tag
HTML dan CSS Inline
Style



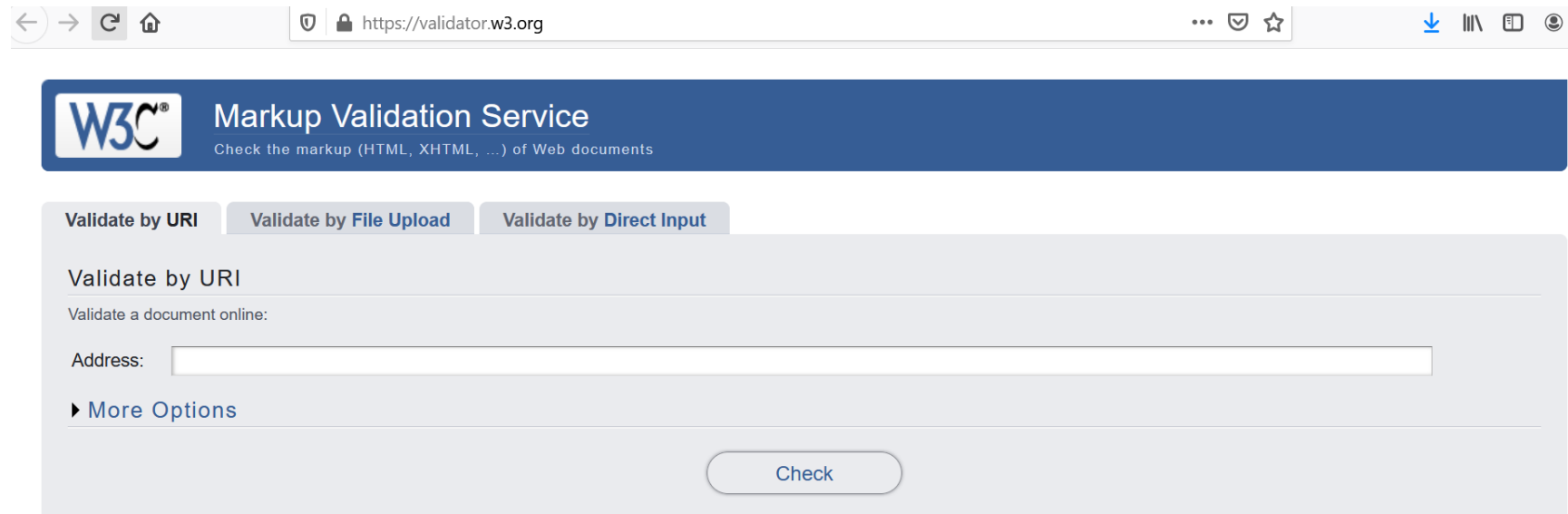
The screenshot shows a web browser window titled "A Web Page" with a navigation bar containing links: Home | Register | Policy | About. The main content area displays a product order form for a MacBook Air. On the left is a placeholder image box with a diagonal cross. The form fields are as follows:

Title Here :	MacBook Air £800
Description :	Year : 2009 Model : Condition : Mint
Total Amount :	£800
Pay to :	123-456-789-0
Payment Type :	<input type="text" value="Visa Debit"/>
Account Holder :	<input type="text" value="Name Here"/>
Account No :	<input type="text" value="123-456-789-0"/>
	<input checked="" type="checkbox"/> Send to Mobile Phone
	<input checked="" type="checkbox"/> Email me copy of transaction
Send to Mobile Phone :	<input type="text" value="1234567890, 1234567891"/>
Send to Email :	<input type="text" value="mfmm2g13@soton.ac.uk, fys_06@yahoo.com"/>

At the bottom, there is a green button labeled "Pay using QuidLink".

HTML5 Validator : validator.w3.org

Website yang menyediakan validasi kode program HTML5



The screenshot shows the W3C Markup Validation Service interface. At the top, there's a blue header with the W3C logo and the text "Markup Validation Service" and "Check the markup (HTML, XHTML, ...) of Web documents". Below this, there are three tabs: "Validate by URI" (selected), "Validate by File Upload", and "Validate by Direct Input". Under the "Validate by URI" tab, there's a section titled "Validate by URI" with the text "Validate a document online:". Below this, there's a label "Address:" followed by a text input field. A link "More Options" is visible below the input field. At the bottom right of the form area, there is a "Check" button.

This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available. As an alternative you can also try our [non-DTD-based validator](#).




The W3C validators rely on community support for hosting and development.

[Donate](#) and help us build better tools for a better web.

HTML5 Validator : validator.w3.org

Check kode program anda ! (copas kode HTML5 ke tab validate by direct input), dan tekan tombol check

→ ↺ 🏠 🔒 https://validator.w3.org/#validate_by_input

 **Markup Validation Service**
Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI

Validate by File Upload

Validate by Direct Input

Validate by direct input

Enter the Markup to validate:

```
<!DOCTYPE html>
<html lang="en">
<body>

<h1>The ol and ul elements</h1>
<p>The ol element defines an ordered list:</p>
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
</body>
</html>
```

► More Options

Check

1. **Error** Element `head` is missing a required instance of child element `title`.
From line 2, column 17; to line 3, column 6
`lang="en"><body><h1>`

Document checking completed.

Source

```
1. <!DOCTYPE html>↵
2. <html lang="en">↵
3. <body>↵
4. ↵
5. <h1>The ol and ul elements</h1>↵
6. <p>The ol element defines an ordered list:</p>↵
7. <ol>↵
8.   <li>Coffee</li>↵
9.   <li>Tea</li>↵
10.  <li>Milk</li>↵
11. </ol>↵
12. </body>↵
13. </html>
```

**Contoh: ADA ERROR !
Dokumen Tidak Ada Title**