



**Web-Based Interface Design
(CSF 3133)**

LAB REPORT 8

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GROUP: K4

PROGRAMME: COMPUTER SCIENCE (SOFTWARE ENGINEERING)

8.3 Create First Web Page from Bootstrap

The screenshot shows a Microsoft Edge browser window with three tabs open:

- Google Meet
- Lab_Module_Ch7.pdf
- Basic Bootstrap 4 Page

The "Basic Bootstrap 4 Page" tab displays a website with the following content:

Welcome to My Website
Professional IT consulting services

About Us
We are a startup dedicated to providing innovative IT consulting solutions to businesses worldwide.

Our Services

- IT Strategy and Planning
- Cloud Computing
- Cybersecurity Consulting
- Software Development

Contact Us

Name:

Email:

Message:

Contact Us

Name:

Email:

Message:

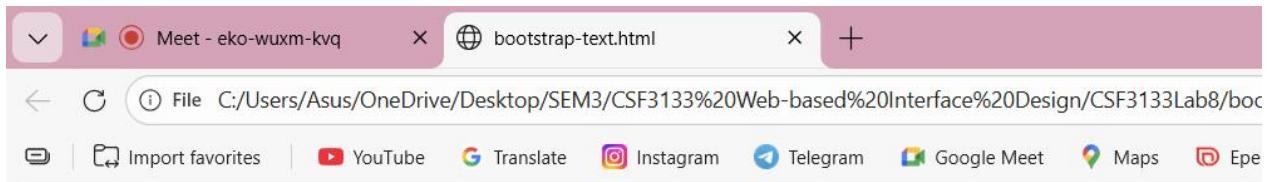
Submit

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8.4 Responsive Image

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
```

```
<div class="img-fluid">
  <h2>Image</h2>
  <p>The .img-fluid class makes the image scale nicely to the parent element (resize the browser window to see the effect):</p>
  
</div>
```



Image

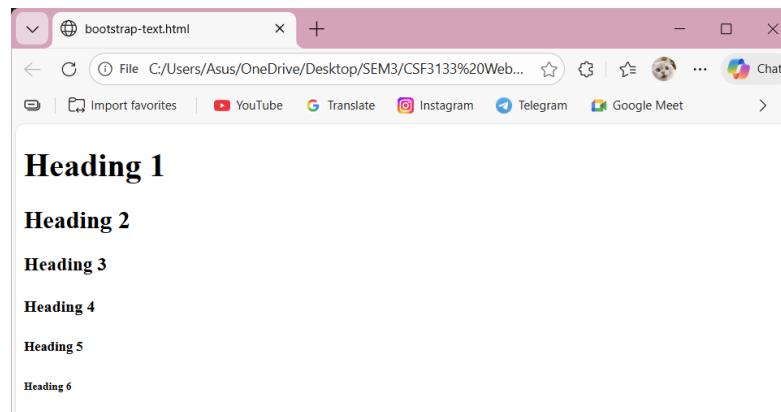
The .img-fluid class makes the image scale nicely to the parent element (resize the browser window to see the effect):



8.5 Bootstrap Text/Typography

8.5.1 Headings

```
<div>
  <h1 class="h1">Heading 1</h1>
  <h2 class="h2">Heading 2</h2>
  <h3 class="h3">Heading 3</h3>
  <h4 class="h4">Heading 4</h4>
  <h5 class="h5">Heading 5</h5>
  <h6 class="h6">Heading 6</h6>
</div>
```



8.5.2 Display Headings

```
<div>
  <h1 class="display-1">Display 1</h1>
  <h2 class="display-2">Display 2</h2>
  <h3 class="display-3">Display 3</h3>
  <h4 class="display-4">Display 4</h4>
  <h5 class="display-5">Display 5</h5>
  <h6 class="display-6">Display 6</h6>
</div>
```

Display 1
Display 2
Display 3
Display 4
Display 5
Display 6

8.5.3 Inline Text Elements

```
<div>
  <p class="text-start">
    <u>Left-aligned text</u> <s>hahahaha!</s>
  </p>
  <p class="text-center">
    We want to make a few words stand out and
    <span class="fw-bold">center the whole line</span>.
    The phrase <em>"stand out"</em> is italicized,
    and this entire last part is <small>written in smaller font.</small>
  </p>
  <p class="text-end">
    <u>Right-aligned text</u> <code>Hello World!</code>
  </p>
</div>
```

Left-aligned text hahahaha!

We want to make a few words stand out and **center the whole line**. The phrase "stand out" is italicized, and this entire last part is written in smaller font.

Right-aligned text Hello World!

8.5.4 Text Color and Background

```
<div>
  <p class="text-primary">Primary colored text.</p>
  <p class="bg-warning text-dark">Text with background color.</p>
</div>
```

Primary colored text.

Text with background color.

8.5.5 Text Wrapping and Overflow

```
<div class="text nowrap">This text will not wrap.</div>
<div class="text-truncate" style="width: 200px;">This text will truncate if it is too long to fit in the available width.</div>
<div class="text-break">ThisIsAReallyLongWordThatWillBreakOntoANewLine.</div>
```

This text will not wrap.

This text will truncate if it i...

ThisIsAReallyLongWordThatWillBreakOntoANewLine.

8.5.6 Font Size

Large text

Medium text

Small text

8.5.7 Font Weight and Style

Bold text

Light and italic text

8.5.8 Line Height

This text has a large line height

8.5.9 Lists

Unstyled List

Item 1

Item 2

Inline List

Item 1 Item 2

8.6 Bootstrap CSS Form

8.6.1 Basic Form Structure

A screenshot of a web browser window titled "bootstrap-form.html". The address bar shows the file path: C:/Users/Asus/OneDrive/Desktop/SEM3/CSF3133%20We... . The browser interface includes standard controls like back, forward, and search, along with links to YouTube, Translate, Instagram, Telegram, and Google Meet.

The main content area displays a simple form with the following structure:

```
<form>
  <div class="form-group">
    <label>Email Address</label>
    <input type="text" value="name@example.com" />
  </div>
  <div class="form-group">
    <label>Password</label>
    <input type="password" />
  </div>
  <div class="form-group">
    <input type="button" value="Submit" />
  </div>
</form>
```

8.6.2 Form Layouts

A screenshot of a web browser window titled "bootstrap-form.html". The address bar shows the file path: C:/Users/Asus/OneDrive/Desktop/SEM3/CSF3133%20We... . The browser interface includes standard controls like back, forward, and search, along with links to YouTube, Translate, Instagram, Telegram, and Google Meet.

The main content area displays a form with multiple input fields and labels, demonstrating a different layout:

```
<form>
  <div class="form-group">
    <label>Email Address</label>
    <input type="text" value="name@example.com" />
  </div>
  <div class="form-group">
    <label>Password</label>
    <input type="password" />
  </div>
  <div class="form-group">
    <input type="button" value="Submit" />
  </div>
  <div class="form-group">
    <label>Email</label>
    <input type="text" />
  </div>
  <div class="form-group">
    <label>Password</label>
    <input type="password" />
  </div>
  <div class="form-group">
    <input type="button" value="Submit" />
  </div>
</form>
```

8.6.3 Inline Form

A screenshot of an inline search form. It consists of a blue search input field with the placeholder text "Search" and a green rounded rectangular button labeled "Search" to its right.

8.6.4 Form Controls

A screenshot of a text area labeled "Example Textarea". The text area is a large blue-bordered rectangle with a placeholder text "Example Textarea".

8.6.5 Select Menus

A screenshot of a select menu labeled "Select Example". The menu has four options: "Option 1" (selected), "Option 2", "Option 3", and "Option 4". The selected option is highlighted with a blue border.

8.6.6 Form Validation

A screenshot of a form validation interface. It shows two fields: "Username" (correct input) and "Password" (incorrect input). Below the password field is an error message: "Please choose a stronger password." A blue "Submit" button is at the bottom.

8.6.7 Checkboxes and Radios

Check me out

Option 1

Option 2

8.6.8 Input Groups

© Username

8.6.9 Floating Labels

Email Address

8.6.10 Disabled and Read only Inputs

Disabled input

Readonly input

8.6.11 Example Forms

The screenshot shows a web browser window with a tab bar at the top. The active tab is titled "Bootstrap \index(Bootstrap) Form". Below the tabs is a toolbar with icons for file operations, import favorites, YouTube, Translate, Instagram, Telegram, Google Meet, and a chat feature. The main content area displays a login form. It includes fields for "Email Address" (containing "name@example.com") and "Password", both of which are currently empty. There is also a "Remember me" checkbox and a blue "Submit" button.

8.7 Using Bootstrap Theme

The screenshot shows a web browser window with a pink header bar. The address bar displays the URL `127.0.0.1:5500/e8.7/index.html`. The main content area features a blue header with the text "Welcome to My Themed Page" and "Using a Bootstrap Page". Below the header, there is a section titled "About" with the subtext "This theme gives a fresh and modern look to your website." The browser interface includes standard navigation buttons (back, forward, search), a tab bar with multiple tabs, and a toolbar with various icons.

Welcome to My Themed Page

Using a Bootstrap Page

About

This theme gives a fresh and modern look to your website.

8.8 Lab Exercise 8

8.8.1 Building a Themed Website for a Fictional Business

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Email Address

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Sales automation shouldn't mean lengthy commitments. Skip the 4-month agency retainers – with us, you get exactly what you need and have the freedom to pause or cancel anytime.

Efficiency Without the Extra

We keep it lean. You'll receive project updates directly in Slack, with optional weekly check-ins for questions, brainstorming, or feedback. We're dedicated to refining your systems until they're perfect.

Results, Fast and Seamless

We're ready to start as soon as tomorrow. After a quick 30-minute onboarding call to align goals and access credentials, we dive into building your streamlined sales process right away.

Targeted Lead Generation

Our AI-powered systems don't just find leads; they identify high-value prospects based on specific pain points you can address. By targeting real needs rather than broad categories, we ensure every lead is relevant and has higher conversion potential.



Seamless Closing Assistance

With built-in AI, our closing support tools analyze each prospect's responses, optimizing follow-ups and guiding the sales process with data-driven insights. This automation shortens the sales cycle and boosts closing rates.

Automated, Personalized Follow-Ups

We understand that timely and relevant follow-ups are key to moving leads through the pipeline. Our automated follow-up systems keep the conversation going without you having to lift a finger.



What people are saying...



Margaret E.

"This is fantastic! Thanks so much guys!"



Fred S.

"This website is very useful. I've been using it to solve a lot of problems."



Sarah W.

"Thanks so much for making these free resources available to us!"

"This is fantastic! Thanks so much guys!"

"This website is very useful. I've been using it to solve a lot of problems."

"Thanks so much for making these free resources available to us!"

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