Bootstrap

REGISTRATION NO: 240704805

Bootstrap is one of the most used frameworks used as front-end development. It is a framework that contains predefined CSS code. It is a framework that makes web development easy access from a mobile device too. It delivers a ready-made pattern for grids, components, and utilities. The version of Bootstrap er are using is Bootstrap 5. The framework is free to use and can be used in 2 different ways (downloading a file for including libraries in a project or directly mentioning the URL for using the online version).

Reason for using Bootstrap:

- Uses predefined style components which makes it faster.
- Works on a landscape device to a portrait-oriented mobile device.
- Works on a grid system for organization and responsive page layouts.
- Facilitates predefined components and designs for direct embedding.

Sample code using syntax:

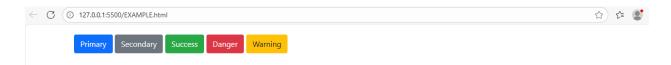
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Figure 1Sample code of Bootstrap

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Some of the key elements of Bootstrap:

•	container / container-fluid	gives fixed / full width while building the layout
•	row	creates a horizontal row group.
•	col	create responsive column (col-4, col-6)
•	m- , p-	Applying margin and padding (mt-3, p-2)
•	h1 to h6	create responsive text
•	text	used to change text property
•	list-group	used to style group items
•	table	create responsive tables
•	form-control	Used in input, text areas and in checkboxes
•	input-group	creates an input which is combined with a button or text
•	btn	Give style to button
•	navbar	used to create a responsive navigation bar
•	alert	create a feedback message
•	badge	make label indicators
•	modal	used to create pop-up dialog boxes
•	carousel	used to create a slideshow with images and manage it
•	dropdown	creates interactive menus

Example:

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Figure 2: Screenshot of Bootstrap Example

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Figure 3: Screenshot of Bootstrap Example

Figure 4: Screenshot of Bootstrap Example

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Output:

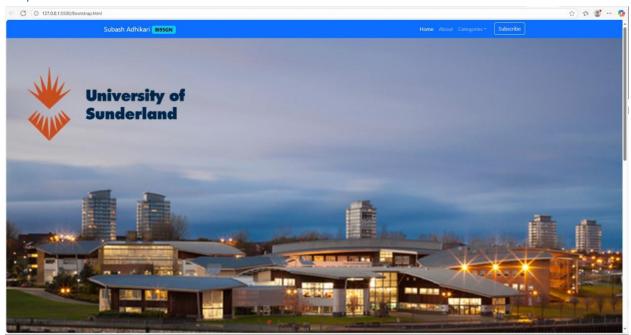


Figure 5.: Screenshot of Output

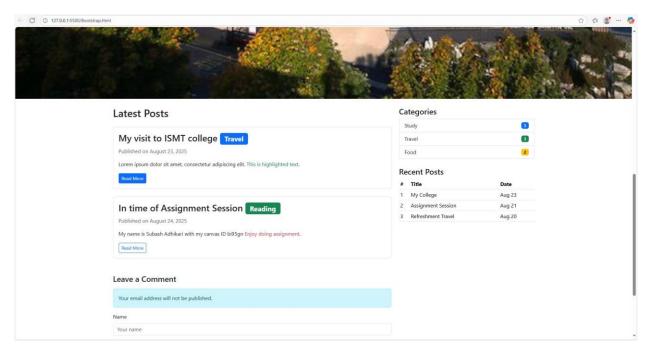


Figure 6: Screenshot of Output

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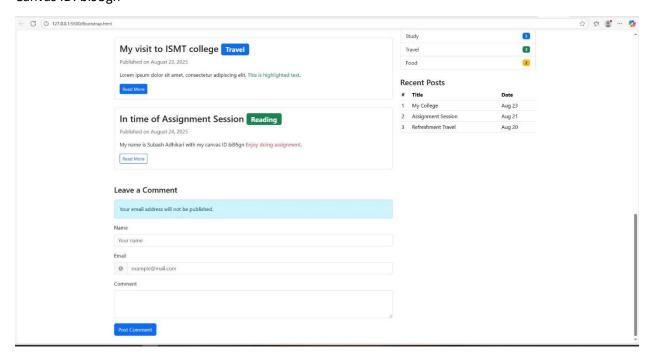


Figure 7: Screenshot of Output