**Web Intruders**

Lecture no. 9

Introduction to frameworks:

Web development frameworks are tools that provide structure and reusable components for building web applications efficiently. They help streamline coding, enforce best practices, and facilitate maintenance and scalability.

**Flexbox**

Flexbox is a CSS layout module designed to create more efficient and predictable ways to align, distribute, and space items within a container.

Flex container

* Flex Container is an element with the display: flex property. This container holds flex items and defines the flex context.

Flex direction

* Defines the direction of the main axis (e.g., row, row-reverse, column, column-reverse).
* Flex-direction: row-reverse; etc

Justify content:

* Aligns flex items along the main axis (e.g., flex-start, flex-end, center, space-between, space-around).

Align items

* Aligns flex items along the cross axis (e.g., flex-start, flex-end, center, baseline).

Flex wrap

* Controls whether flex items should wrap onto multiple lines (e.g., nowrap, wrap, wrap-reverse).

Align content

* Aligns lines of flex items within the flex container when there is extra space along the cross axis (e.g., flex-start, flex-end, center, space-between, space-around).

Row gap

* the row-gap property defines the space between rows in a flex container when the flex items are wrapped onto multiple lines. It sets the spacing between the flex lines along the cross axis (vertical spacing for a horizontal main axis, and horizontal spacing for a vertical main axis).

Column gap

* The column-gap property defines the space between columns of flex items within a flex container. It sets the spacing between items along the main axis (horizontal spacing for a horizontal main axis, and vertical spacing for a vertical main axis).

Align self

* align-self allows an individual flex item to override the align-items property (e.g., auto, flex-start, flex-end, center, baseline)