

IP Assignment 3

Roll No: 71 Batch T14

Aim: Develop a web page using the Bootstrap framework. Grid system, Forms, Button, Navbar, Breadcrumb, Jumbotron should be used

Theory:

Bootstrap is a popular open-source front-end framework used for building responsive and user-friendly web applications and websites. It was originally developed by Twitter and is now maintained by the open-source community. Bootstrap provides a collection of pre-designed HTML, CSS, and JavaScript components that make it easier to create consistent and visually appealing user interfaces.

Key Features of Bootstrap:

1. **Responsive Design:** Bootstrap's responsive grid system allows developers to create layouts that adapt to different screen sizes and devices, ensuring that the content looks good on desktops, tablets, and smartphones.
2. **Grid System:** Bootstrap uses a 12-column grid system, which makes it simple to organize content and create flexible layouts. Developers can define how many columns a certain element should span based on the screen size.
3. **CSS Components:** Bootstrap offers a wide range of CSS components such as buttons, forms, typography, navigation bars, modals, alerts, and more. These components are styled and optimized for consistency and ease of use.

Components of Bootstrap:

Layout Components: These include the grid system, containers, and responsive utilities. They help structure the layout of your website to adapt to different screen sizes.

Content Components: These components focus on styling content, such as typography, tables, images, and figures.

Navigation Components: Bootstrap provides components for creating navigation menus, including navigation bars, tabs, and pagination.

Form Components: You can easily create various form elements like input fields, checkboxes, radio buttons, and more, with built-in styling and validation.

Button and Icon Components: Bootstrap offers styles for buttons, icons, and button groups, making it easy to create visually appealing call-to-action elements.

JavaScript Plugins: These include interactive components like modals, carousels, tooltips, and popovers, which enhance the user experience.

Utilities: Bootstrap provides a set of utility classes for quickly applying common styles, such as margin, padding, text alignment, and more.

Bootstrap simplifies the development process by offering a consistent and well-tested foundation for building responsive and feature-rich web applications. It's widely used by developers and designers to streamline the creation of modern web interfaces.

Conclusion :

Developed a web page using bootstrap and no custom CSS styling. Used Bootstrap Grid, forms, buttons. Understood the use of jumbotron and breadcrumb.

Developed a webpage for advertising company which implemented the above components.