How Web Based Application Work?

Web Application:

A web app is a software application that runs on a web server and is accessed through a web browser over the internet. Unlike traditional desktop applications, web apps do not need to be downloaded or installed, and they can be used on any device with a browser. Examples include online banking, social media platforms, and email services.

How Web Based Apps Work:

The entire scenario of how a web-based application works is explained below with an example.

1. **User Requests:**
   - You open a web browser (like Chrome or Firefox) and type in a website address (like www.example.com).
   - You press Enter, and your browser sends a request to the internet to find that website.

2. **Server Response:**
   - The request travels through the internet to a server (a computer that stores the website).
   - The server receives the request and looks for the web page you asked for.

3. **Fetching Data:**
   - The server gathers the web page files (HTML, CSS, JavaScript) and any necessary data (like text or images).

4. **Sending Back:**
   - The server sends these files back through the internet to your web browser.

5. **Rendering the Page:**
   - Your browser receives the files and puts them together to display the web page on your screen.
   - You can now see and interact with the website.

6. **User Interaction:**

- When you click buttons, fill forms, or navigate links, your browser may send more requests to the server for additional information or to perform actions (like submitting a form).

Example:

1. **Order Request:**
   - You open a pizza delivery website on your browser.
   - You choose your pizza and place the order.

2. **Server Response:**
   - The website's server gets your order.

3. **Fetching Data:**
   - The server prepares the order details and checks the available ingredients.

4. **Sending Back:**
   - The server sends a confirmation back to your browser.

5. **Rendering the Page:**
   - Your browser shows a confirmation page saying your order is placed.

6. **User Interaction:**
   - You might track your order status, and your browser will keep updating the page with the latest status without refreshing.