1) Website loading

A website is loaded in the user's browser from the server.

2) Client-side (Front-End)

- Runs inside the browser.
- Uses **HTML, CSS, and JavaScript**.
- Handles user interactions without always contacting the server.
- Responsive design adapts the site to different devices.

3) Sending requests to the server

When data is needed (for example, from a database), **JavaScript and AJAX** send a request to the back-end.

4) Server-side (Back-End)

- The server receives the request.
- Server-side scripts process it.
- Data is fetched from the **database**.

5) Response to the client

- The server sends the response back to the browser.
- The page updates (loading products, updating user profiles, drop-down menus, etc.).

In short:

- **Front-End** = what the user sees and interacts with.
- **Back-End** = processes data and communicates with the database.
- Communication happens through **requests and responses over the internet**.