

# Frontend Development

# Agenda

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In this session, we will discuss:

- Frontend as the face of the Application
- Steps to create Frontend of an application
- Platform for running Frontend application

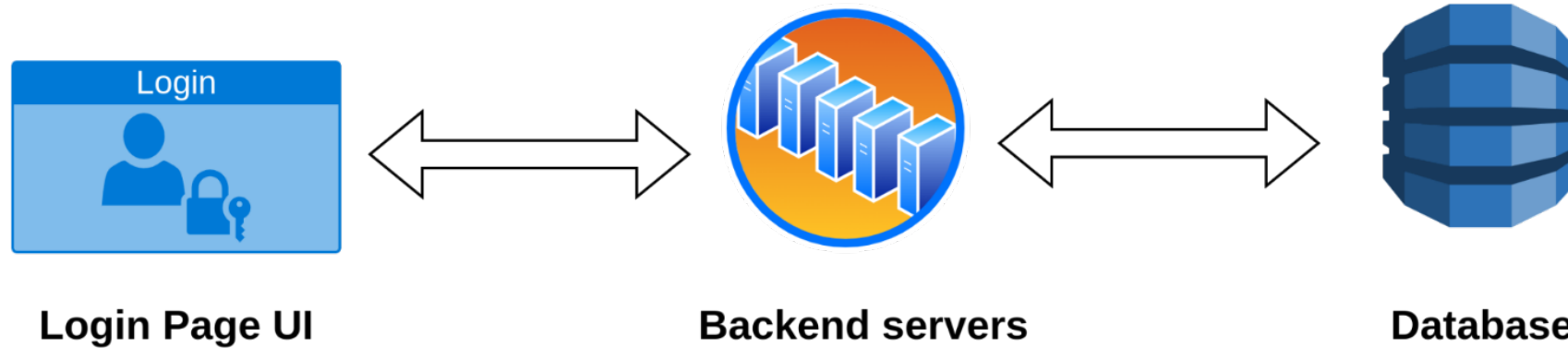
# Frontend as the face of Application

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- **Frontend** in a web application, is an **interface** for connecting to the **logical layer/ backend** of the application.
- For instance, a Login form is a part of Frontend through which users can interact. When a user submits the login form with the required data, the call is directed along with the form-filled data to the server for validation.

# Frontend as the face of Application

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# Steps to create Frontend of an Application

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- Creating **components** or **UI** which are directly accessible by end-users.
- Connecting frontend components with **logical layer** or **Backend**.

# Languages to build Frontend components

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- Languages generally used for creating frontend are:
  - HTML: For designing the User Interface.
  - CSS: For adding styles to the boring user Interface.
  - JavaScript: For making UI components interactive or dynamic.
  - React / Angular/ JQuery: Some of the frameworks/ libraries for creating UI components faster and of more industry grade.

# Platform for running Frontend application

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- **Web browser** is a platform that is used to access/run the frontend application/ component of the entire web application.
- Web browser has the capability to **compile** and **run** Javascript, HTML, CSS, etc.
- We can also say that a web browser is like a Client for accessing the web application.

# Summary

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A brief recap:

- A frontend application is an interface provided for users to connect to the backend.
- HTML, CSS, JavaScript and React are a few commonly used languages to build frontend applications.
- Frontend application runs on a web browser.