

API (Application Programming Interface)

It is a set of rules for communication.

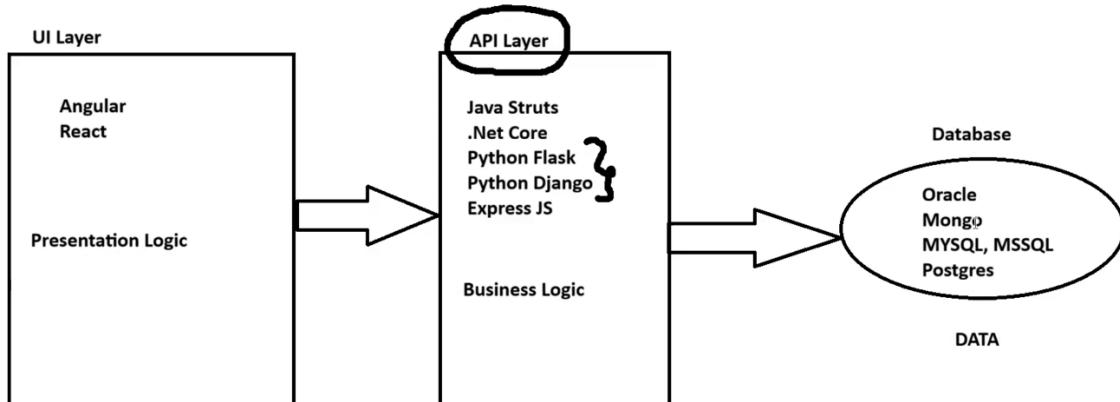


Need for APIs

- To talk to each other.
- To reuse existing functions.
- Faster development.
- More secure Connections.

REST APIs (Representational state Transfer)

- URL – To identify data
- HTTP methods – To perform actions



HTTP Methods

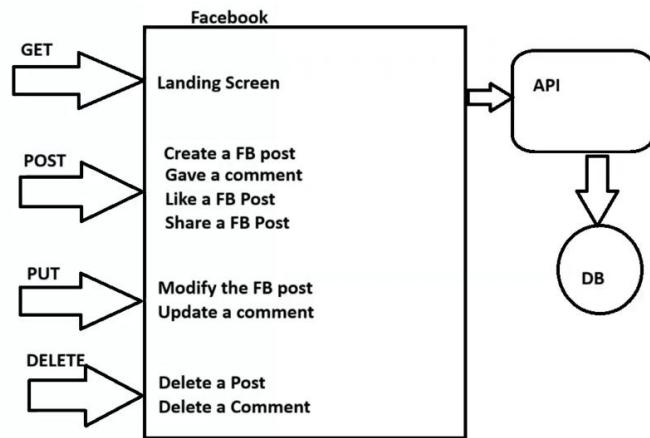
- **GET:** To retrieve data.
- **POST:** To insert new data.
- **PUT:** To update data.
- **DELETE:** To remove data.

Http Verbs / Methods

GET: Pull the data from DB
POST: Insert Data into DB
PUT: Update data in DB
DELETE: Delete Data from DB

JSON -- Cross Platform
weather forecast API
Cricket Score
Stock market report

Status codes
404, 201, 200,
401, 500



Status Codes

This tells the status of the task performed.

JSON File Format

This is a widely accepted norm standard of data passage and is accepted by all languages throughout.