

App Development Fundamentals

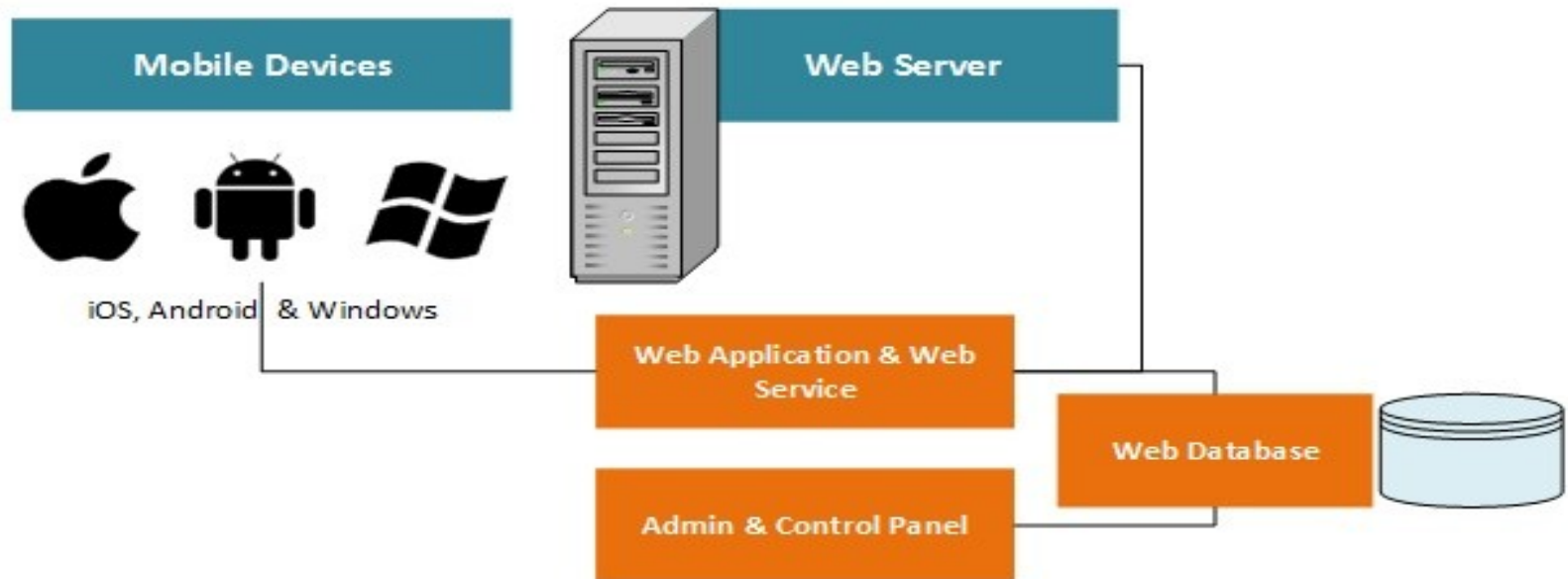
3-Tier Approach in Web Development

presentation tier, application tier, and data tier.

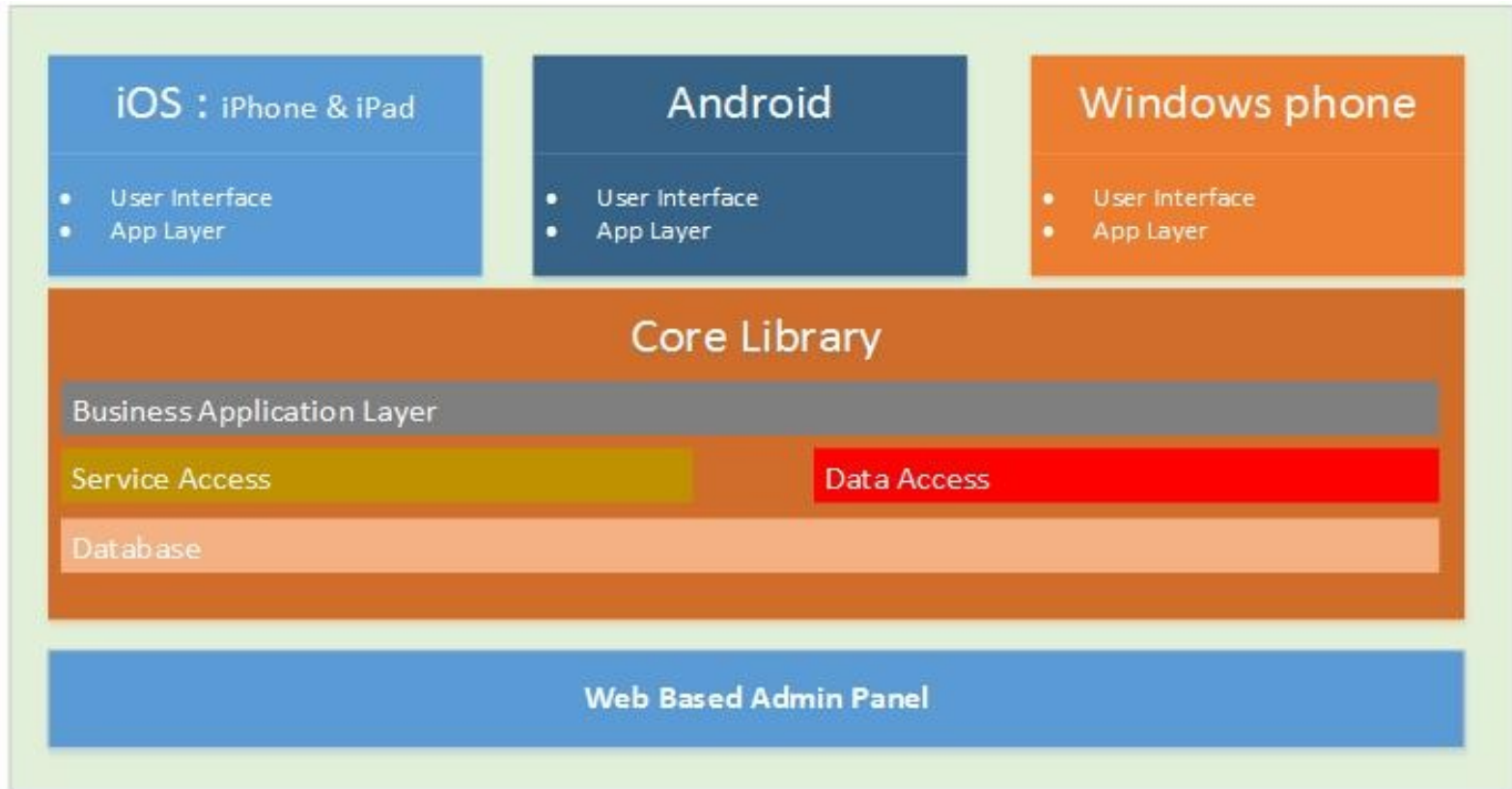


Mobile Apps Communication

Cross Platform Mobile Apps – System Architecture



Mobile Apps System Architecture



Type of Database

- Relational Database
- XML Database
- Object-Relational Database
- Graph Database
- Object-Store Database
- In-memory Database

Web Service Architecture

Monolithic architecture

User interface

Business logic

Data access layer

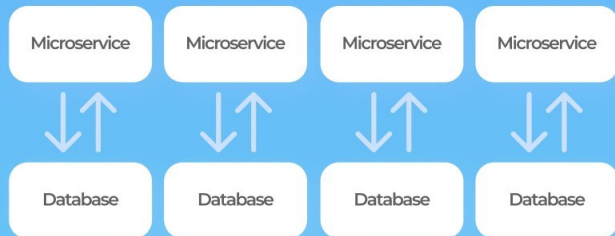


Database

Microservices architecture

User interface

Microservice



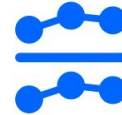
Web Development Current Trends

The icon consists of the letters 'PWA' in a bold, blue, sans-serif font. The 'P' and 'W' are connected, and the 'A' is slightly offset to the right.

Progressive web app



Cloud migration



AI-based bots



Voice search



Internet of Things