

CISC 3120

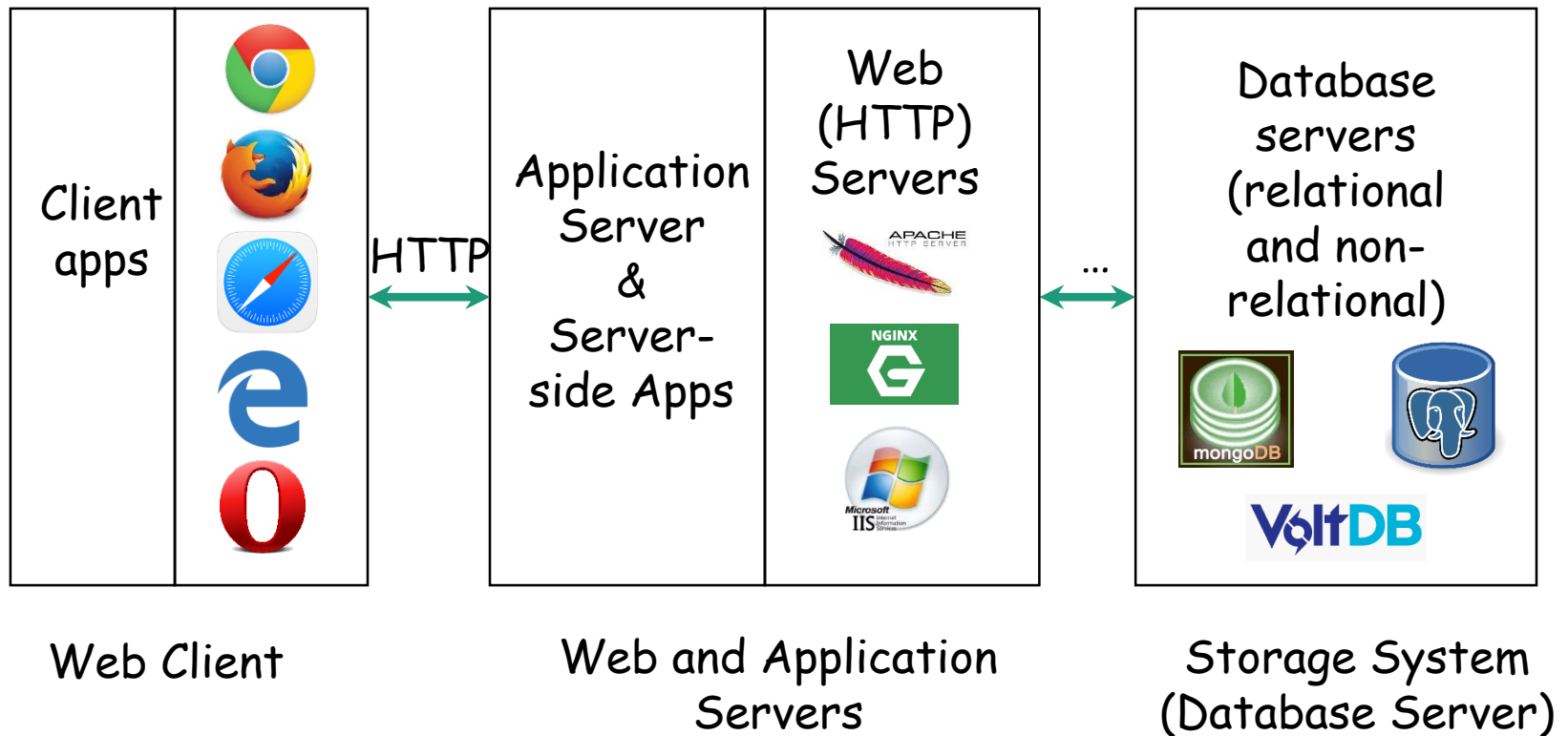
C21: Introduction to Web Application

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Web Application Architecture



Technology Landscape

- Client user interface:
 - HTML/CSS/JavaScript
 - Document object Model (DOM) : Client UI organized as an marked-up language document
 - UI framework: e.g., AngularJS, ReactJS
- Client & Server interfacing: HTTP, AJAX, REST, GraphQL, and more
- Client & Server state exchange: Cookies/Sessions
- Data storage: DBMS: Schema, Objects, CRUD, indexes, transactions; SQL, No-SQL
- Scalability and security

Develop Web Apps with Eclipse

- Install Eclipse Web Tools Platform (WTP)
- In Eclipse: Help → Install New Software → All available sites → Install the following
 - Eclipse Java EE Developer Tools
 - Eclipse Java Web Developer Tools
 - Eclipse Web Developer Tools
 - JST Server Adapters
 - JST Server Adapters Extensions

Questions?

- Concept of web applications and web technologies
- Eclipse environment setup