



## 02 - Notes - Intro

|               |                           |
|---------------|---------------------------|
| 📖 Course      | 🕸 <u>Web Applications</u> |
| 💡 Confidence  | Not Confident             |
| 🕒 Last Edited | @June 2, 2024 5:03 PM     |

### A bit of history

Web 1.0 "Read Web" - Informative Web (1990-2000)

Web 2.0: "Read/Write Web" - Participative Web (2000—2010) (still on)

Web 3.0: "Web of Data" / "Semantic Web" - Intelligent Web (2010—onwards)

Deep Web

Dark Web

### Recap on distributed applications

Single tier architectures

Two-tiers Architecture

Three-tiers Architecture

## A bit of history

- **Vannevar Bush:** The Memex (July 1945)
- **Ted Nelson:** Hypertext (1963/1965)
  - Project Xanadu (1960—1998)
- **Douglas Engelbart:** NLS System (1962-1968)  
First to use: mouse, hyperlinks, windows and presentation programs
- **Halasz/Moran/Trigg:** Notecards (1983-1987)
- **Tim Berners-Lee:** World Wide Web (1989-1991)

## Web 1.0 "Read Web" - Informative Web (1990-2000)

**Web 2.0: "Read/Write Web" - Participative Web (2000—2010) (still on)**

**Web 3.0: "Web of Data" / "Semantic Web" - Intelligent Web (2010—onwards)**

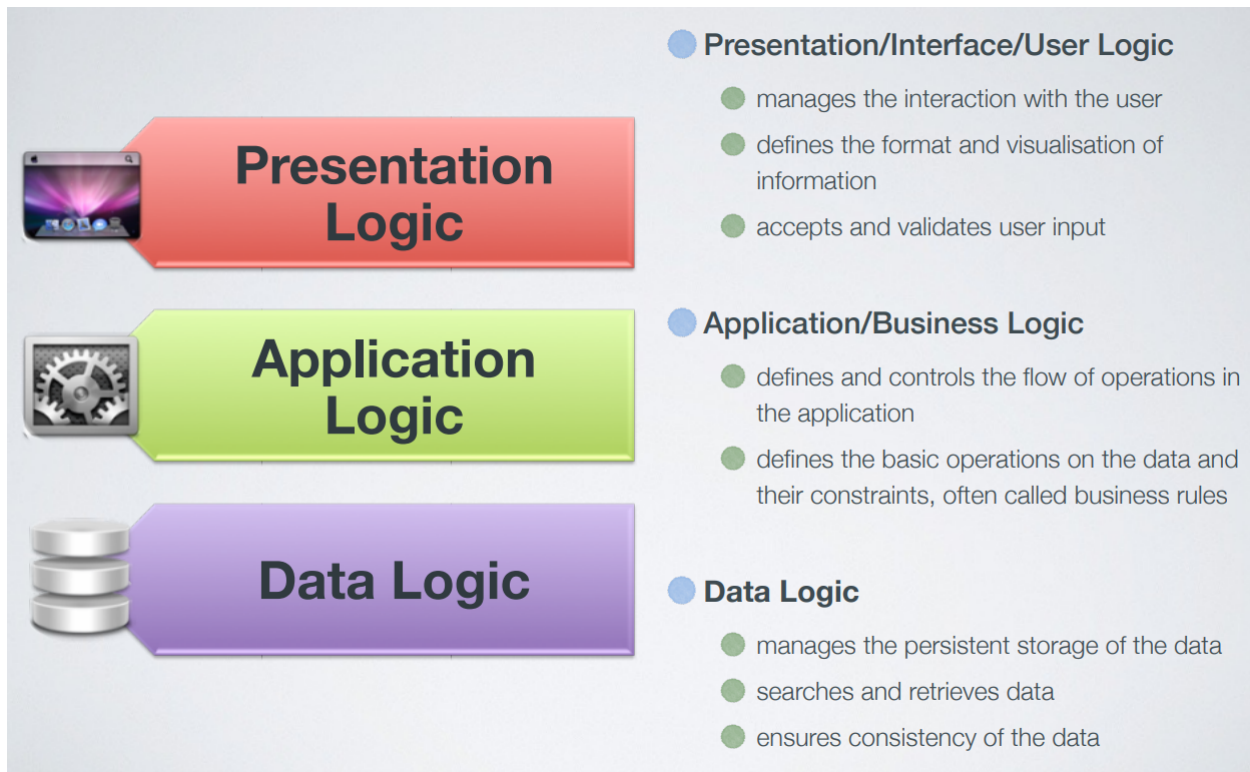
## **Deep Web**

- Not indexed by search engines
- 500 times the size of the surface web

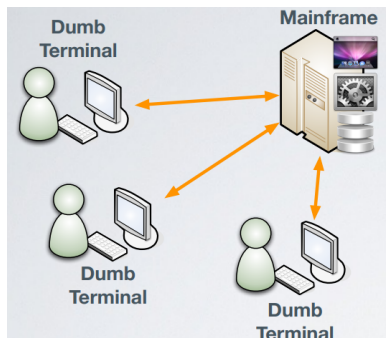
## **Dark Web**

- Anonymous and confidential
- Use Tor to access it
- Used for illegal activities

## **Recap on distributed applications**

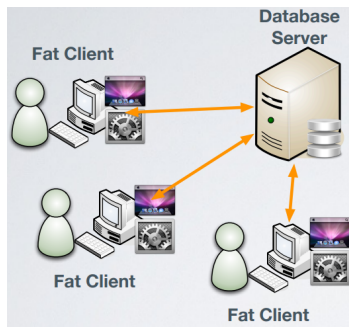


## Single tier architectures



e.g. for banks terminal, very easy maintenance and reliability

## Two-tiers Architecture



## Three-tiers Architecture

