# Web Development

an introduction

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# Outline

- Definition
- Web development in enterprises
- Current trends
- Opportunities
- Tips for being able to be a successful web developer

# Definition

**Web development** adalah aktifitas pengembangan suatu situs / aplikasi web untuk dapat digunakan di internet maupun intranet
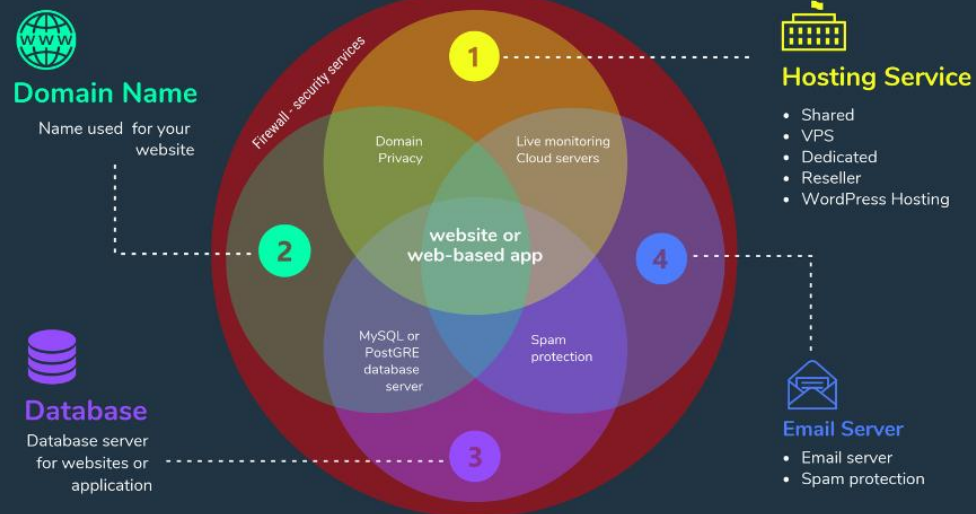
# Components of a website

- Domain
- Web server (incl. the IP address)
- Frontend
- Backend
- API
- Database
- Others: firewall, CDN, containers, cloud, email, etc
- Demo

https://www.inmotionhosting.com/support/domain-names/understanding-a-domain-and-hosting-service/

# Web Dev for Enterprises

- Large-scale web application
- Has many 3rd party integrations
- Built on cloud
- Thousands (even millions) of products
- Usually comprises of many sophisticated tech:
    - serverless
    - containers
    - auto-scaling
    - load-balancing
    - WAF
    - IaC

Sales

Requirement analysis

Contract

Development

QA

Delivery & approval

# Current trends

- Progressive Web Apps (PWA)
- Accelerated Mobile Pages (AMP)
- Single Page Applications (SPA)
- API-first developments
- AI chatbots
- Motion UI
- No-code / low-code development
- Serverless architecture

# Opportunities

- High demand in web development field
- Wide variety of technologies -> can accommodate different needs
- Global work opportunities -> US / european companies are looking to hire asian talents

# Extra tips: be a good dev

- Google everything - solve your own problems
- Practice English - no one write codes in Indonesian
- Get yourself familiar with Linux & terminal
- Get involved in communities
- Contribute to open source projects
- Build your professional profiles (github, stackoverflow, LinkedIn, etc.)
- Start working / internship / freelancing while studying

# Q&A

# Quiz

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