IUTC

WEBDEV | 24

Hello !

A little introduction time...

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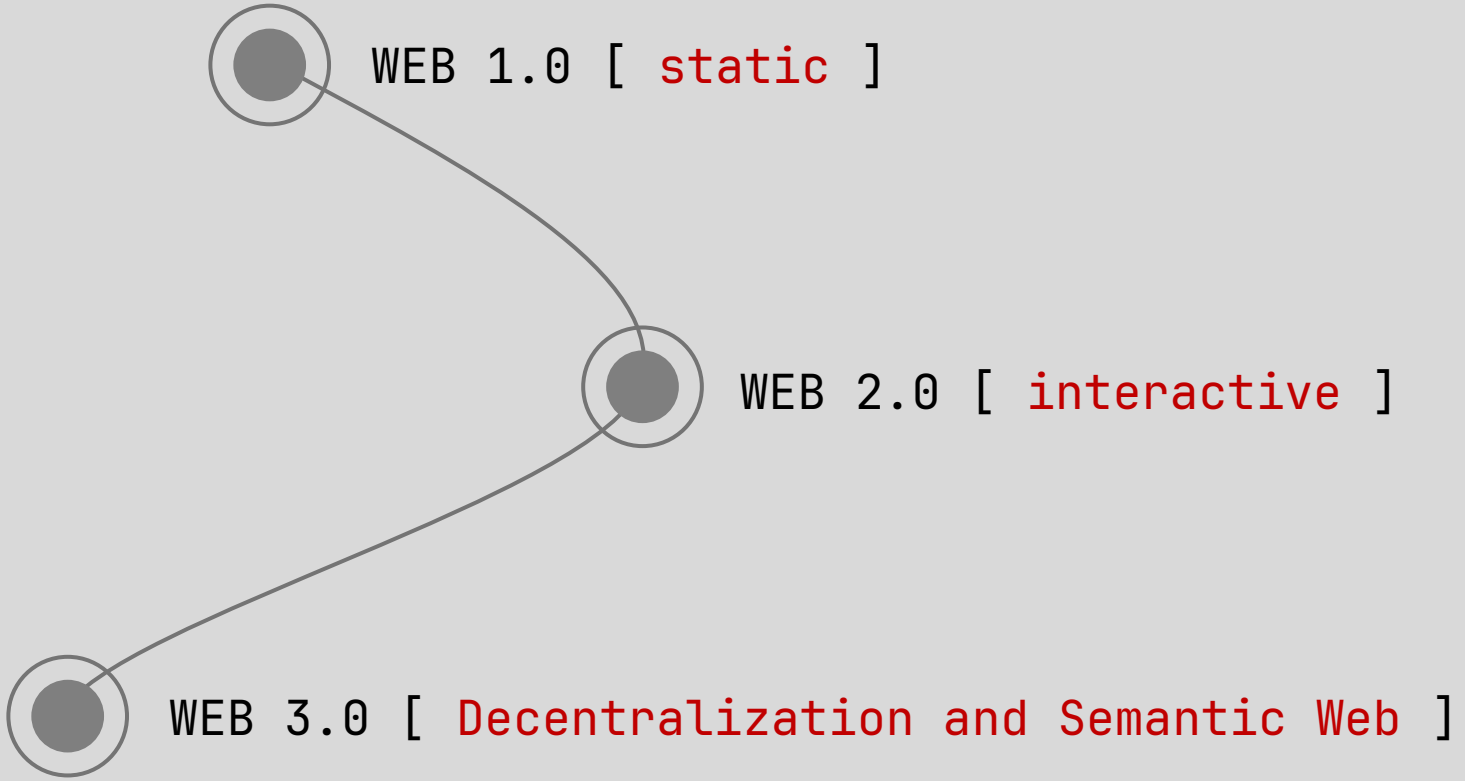
History of Web Development

From Static Pages to Dynamic Experiences



WEB 1.0 [static] > 1990s

Simple HTML Documents

Limited Designs and Interactions

Required Reload on Fetching Request

Delivery of Static HTML pages

WEB 2.0 [interactive] > 2000s

- Use of Templates
- Frequent use of

- Required Reload Between Pages
- User Interacted Contents & use of Database

WEB 3.0 [Decentralization and Semantic Web] > 2013s

Component Based Frontend & Reusability

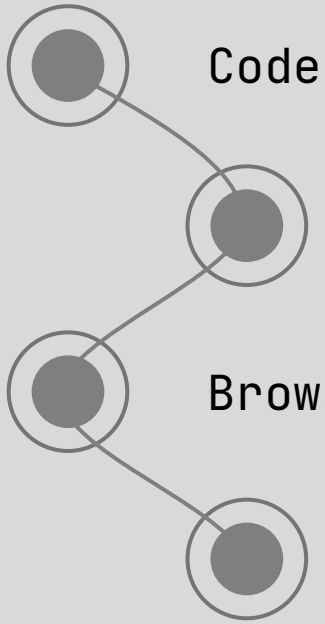
Physical and Logical Separation Architecture

One Load Browser Applications

Blockchain and AI integration. Personalization

Tools and Tech for Web Development

Essential tools and technology for web development



Code Editors [text based vs IDE]

Version Control [Git and GitHub]

Browser and Request Response Handler [postman]

Development Server [127.0.0.1]

Code Editors [text based vs IDE]

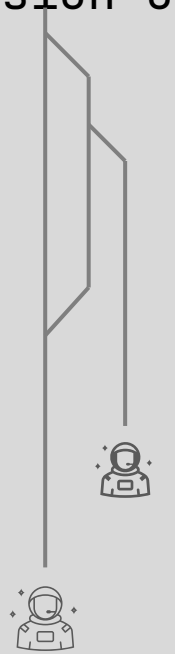
Integrated Development Environment

- Strong Support In Code Writing
- Intelligent Suggestions
- Support On Debug And Build
- Syntax Highlighting And Auto Indentation

Text Based Development Editor

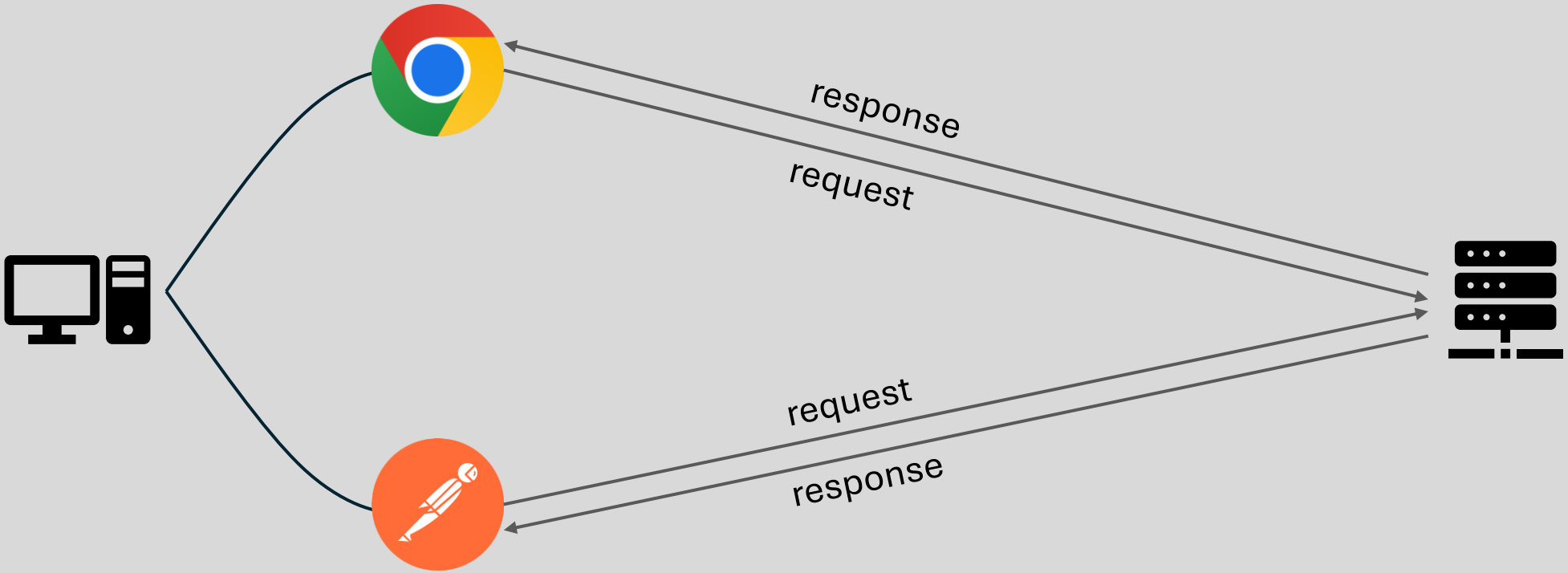
- No Self Support on Code Writing
- Poor Suggestions
- No or little support on debug and Build
- Extensibility [the mighty strength]

Version Control [git and github]



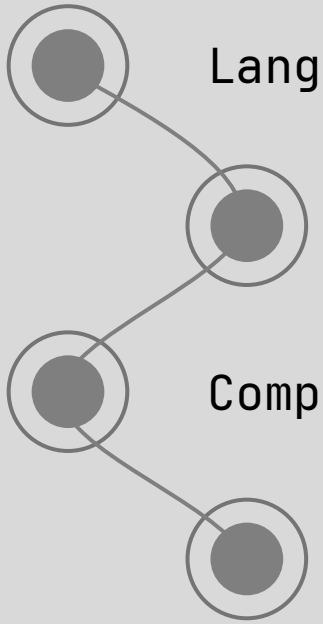
- Ability to go back to a version
- Collaboration and Community
- History and Cloud Code Security
- Flex 😅

Browser and Request Response Handler [chrome and postman]



Advanced Web Development

Deployable Web Production and System Design



Language Options

FrameWorks

Comparative Analysis of Frameworks

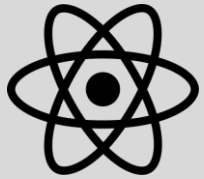
Deployment Technology

Language Options

- Frontend
  - HTML
  - CSS
  - JAVASCRIPT
- Backend
  - PYTHON
  - PHP
  - C#
  - RUBY
- Database
  - SQL
    - mySQL
    - PostGreSQL
    - Oracle
  - noSQL
    - mongoDB
    - neo4j
    - CouchDB

Frameworks

Frontend Frameworks



Backend Frameworks

Let’s take Control on Versions