Lesson21

Backend. PHP server install

Created by Aleksander Apostolidis
PHP Fullstack course, Code Academy 2020

Frontend and Backend

- Front end

- Request website data

- Displays website, forwarded request concert dates

- Requests website data

- Backend

- Response with website data

- Checks database, delivers list of available dates and tickets

- Updates database of tickets, process payments, sends confirmation info

Diagrams

- Frontend diagram

- Backend diagram

- How Webserver works

Software
Backend Server Development

- **For minimum server setup we need:**

- PHP - the php programing language itself with packages

- Composer - package manager for PHP

- SQL database server - we use database to be able to store data

- The Web server program(Apache or Nginx) - programming languages itself cannot work with HTTP protocol directly it need some program in between to route the browser requests

- All this software needs some setup, you as Fullstack developer should know at list how to install your tools

PHP
Install local development environment

- Need to be installed : VirtualBox, Vagrant

- For install you will need at least 2GB of free space

- Download the package

- Unzip the package and run install.bat script from folder

- If process run without errors, open you browser and enter app.test

-

Vagrant commands

- Vagrant up - start up virtual machine with server

- Vagrant halt - stop virtual machine

- Vagrant ssh - login to virtual machine via ssh

SSH
Secure Shell

- SSH, or Secure Shell, is a remote administration protocol that allows users to control and modify their remote servers over the Internet

- To login with SSH server you need login password from server or ssh keys

- SSH keys