

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

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**LEARNING DIARY
SOFTWARE DEVELOPMENT SKILLS
FULL STACK
MODULE**

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1 20.10.2020

Dear Diary,

After reading the introduction of the course, I replicated the Word Template for the diary in L^AT_EX using Texmaker as a GUI for writing. I managed finding my old Github Account then and installed Git on my Ubuntu system. I decided using Fork for my version control because I used it before and I am familiar with the program.

2 22.10.2020

I wanted to download Fork but I realised that Fork (and SourceTree) don't have a Linux Version. During watching the Introduction to Version Control I saw that the code editor Atom has an implemented version control GUI, so I decided to take that one.

Afterwards I watched the video about Node.js. Because I planned improving my Python skills this semester I realised that the course is made for JavaScript, which I didn't use before so it is a whole new challenge for me. Regarding the point that JavaScript is useful for sending/getting data from a server, I am looking forward to it.

I already have an idea for a JS application. With a friend of mine I was planning to make a simple ToDo-list application using the Python. For storing (and checking) the entries of the list on a server, I am thinking about using JavaScript. Now I am setting up my Git-Repository and placing the Texmaker-Workspace in there. I tested the first commit of the folder $SD_F S$ in the command line and the second commit directly using the extension of Atom. During this I am getting familiar with the code editor Atom and the Github implementation in it.

3 26.10.2020

During watching the video about Node.js I am creating my Exercises Workspace and the Project Workspace in my project folder. After I tried installing Node.js by using the tar.xz folder, which I didn't manage, I installed it using the command:

```
sudo apt install nodejs
```

After doing so I realised that I installed the version 10.19. So I deinstalled the program and installed it using PPA. It didn't work either. So I used the version manager by trying the following commands:

```
curl -sLhttps://raw.githubusercontent.com/creationix/nvm/v0.31.0/install.sh -  
oinstall_nvm.sh
```

```
bashinstall_nvm.sh
```

```
nvm install 12.19.0
```

And setting the version to default.

4 27.10.2020

My environment during the Node.js Crashcourse contains now Atom and my Linux Terminal and it works all fine while the exercise till I wanted to use quotes in a String. The quotes with the dollarsign were not recognised as a quote. I started looking it up and also started the JavaScript course on Codecademy for learning the Basics of JS.

I figured out that I used the wrong quotation marks. Using the ones from the video my quotes are working fine.

In the end of the Youtube video I made myself a Heroku account and got my first Website online. It was really exciting and I am looking forward to my project now. You can see the result following this link:

<https://blooming-fjord-46718.herokuapp.com/>

After finishing the video I made a Commit on Github. Here I had the problem that the subfolder of SD FS was not committed. I looked it up.

5 31.10.2020

In the git documentary I saw that you need submodules for committing to two public repositories. So I decided to avoid these circumstances by making two project folders. One for Heroku and one for Github. I made myself a more serious Github account and separated the folder for Heroku from it. Before committing I am making copies of the Heroku project into the Github project for sharing the code. I will also exclude the \LaTeX content and will just make commits with the Diary pdf file in it.

After I setted up my new project folder I started the video about MongoDB. I installed the Linux version and everything worked fine till I wanted to use MongoDB compass. It said to me the connection to the default server was refused. I shutted down the computer and quitted for today.

6 01.11.20

After the startup of my computer I tried the same thing as the previous day and eventually MongoDB was running. I didn't make any change. So I can continue with the MongoDB crash course with setting up the databases.

7 02.11.20

During the MongoDB Crash Course I experienced some very useful tools which are perfect for a ToDo list application that I thought I can build. In the end of the video I saw that Brad Traversy did a To Do entry and I definitely thought about doing this in my application.

I took a small look into the Example project Video series and I realised what the application should be about. I planned to do the example project too for

getting a Login page and then to implement a To Do list for every user. It is especially really useful to store the ToDo entries in a MongoDB server for accessing and changing them from several devices. Short after I started the Express Crash Course and setting a local server I made a commit on Github with all the tutorial stuff. I continued with the video and everything becomes clearer for me. Especially the part of Express that you can just make .html files in one folder and a new page is opening amazes me.