

Lappeenranta teknillinen yliopisto
School of Business and Management

Software Development Skills

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LEARNING DIARY, CT70A9110 Software Development Skills: Front-End MODULE

ENVIRONMENT

I decided to choose github, git extension and visual studio for this project.

I will deliver this project using angular and bootstrap library as I have some previously knowledge and want to improve it.

I choose git extension as it is familiar to me and it is easier to use when there are merge conflicts.

GITHUB

I used git extension in visual studio to commit and push code to my git repo in github.

During this project I notice there is a new possibility to add a video to repo so my presentation video is now there.

I have added all wanted tasks to github.

DEPLOYMENT

As I am using angular I faced some challenges during deployment process. I also tried google firebase but could find a way to fix my issue.

My issue here was that I was only able to deploy the main page of project and the navigation pages were not working. It only showed error message 404 page.

The root issue to the problem was that I was using angular router between modules.

So after many many hours I founded a way to fix the problem using steps from this tutorial <https://blog.bitsrc.io/deploy-your-angular-project-to-github-pages-7cbacb96f35b>.

Dist folders was also in a wrong folder but I managed to move it correctly.

I also faced some issues with the visibility of pictures and the problem was in the incorrect way of rooting. In the beginning I had...assests/picture but I changed it to assests/picture and it is working correct now.

ANGULAR

I used tutorials to laugh the project in angular:

From the page <https://angular.io/tutorial/toh-pt0> and from an course that I took in the beginning of the year from Udemy <https://www.udemy.com/course/the-complete-guide-to-angular-2/> .

I choose angular as I have some previously knowledge in html and CSS and wanted to improve my skills.

PROJECT IDEA

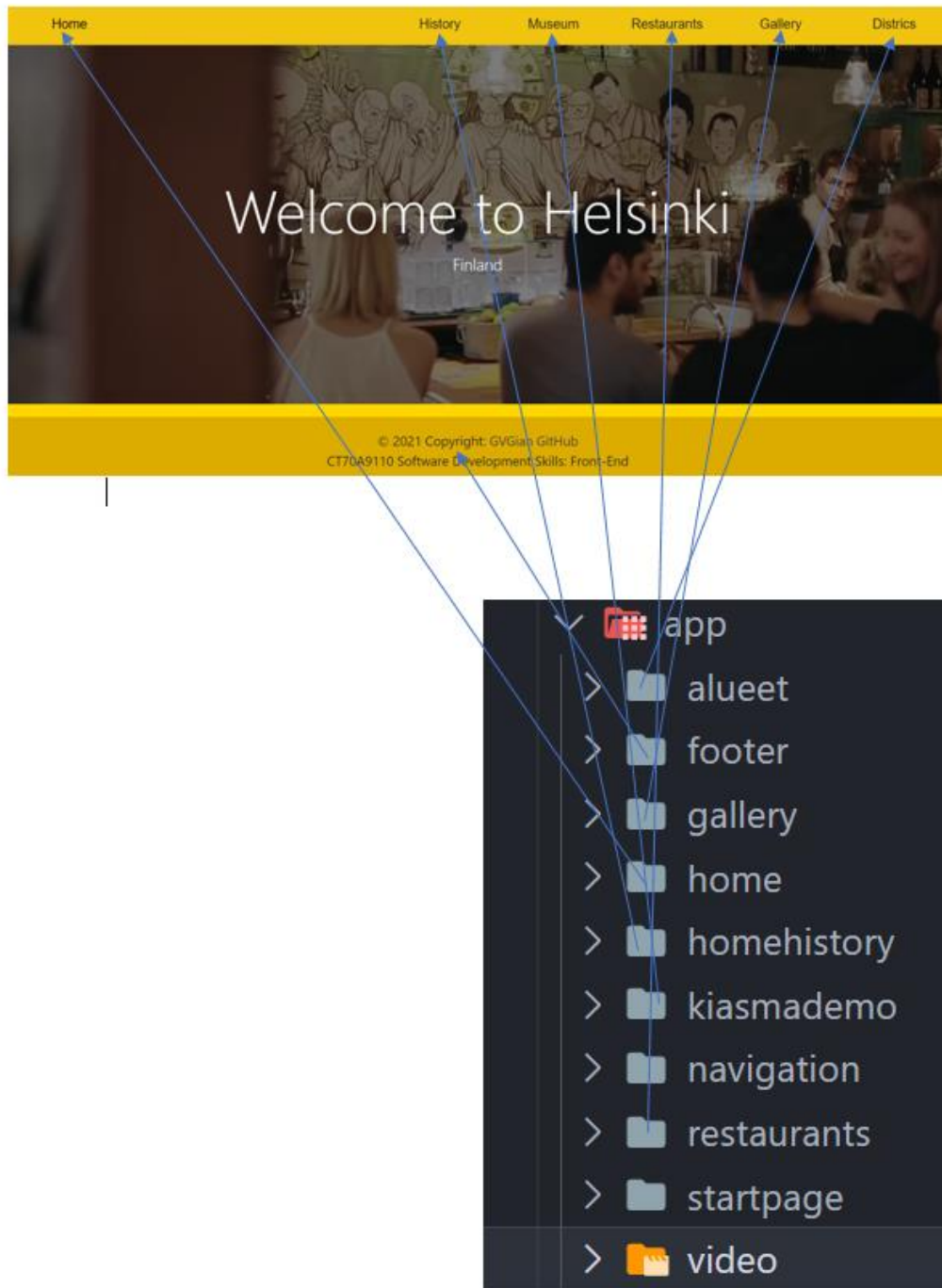
I decided to create a visual Helsinki guide webpage that delivers all the mandatory functions in this course.

REFERENCES

As I have previously some knowledge in HTML, CSS and angular through some YouTube tutorials and angular online courses I had already my own library with old projects codes to use. I apply some of my previous projects to this course project for example the main page video. For the navigation and footer, I used bootstrap, as I was very convenient in my opinion.

MODULES STRUCTURE

I created this webpage using angular and modules for each section. Above is a picture that shows how every module links to each webpage component. To link every module to the body structure index.html I used angular router.



MODULES

- **Index.html**
Tapbar title name and app-rooter
- **Assets**
Has all the pictures and video as storage
- **app-routing.module.ts**
Has all the links to link modules
- **Video**
Has the code to display the video and its css. I found this code from stack overflow and apply it to be more suitable for this project. The video is from youtube that has been convert to mp4 format. The video is originally from Finnairs commercial but as this is student project, I am not using it for marketing use.
- **Restaurants**
Restaurants links are listed in order list in html and in css there is a rule to flex and when in mobile to row mode from column.
- **Navigation**
This module links to other modules as this is the navigation bar.
In this module I used routerlink to every href. I used bootstrap and css from web to this navigation bar.
- **KiasmaDemo aka History**
In this module I linked popular museos. I apply here an old project and changed it layout and color and added flex rules.
- **Homehistory aka History**
In this module I have added history from Helsinki from Wikipedia
- **Home**
- I faced some challenges with router link to get to the home page so I had to create an empty page to make the router work.
- **Gallery**
In this module, there are 12 pictures form different parts in Helsinki. I took the picture from fotolibary online. There is a cool flex when it is on mobile and tablet mode. I apply an old project and make it even nicer for this project.

- **Footer**

Here I used a bootstrap model of footer and added course information and a link to my github.

- **Alueet aka Districs**

In this module I added text and pictures from Wikipedia. There is also a cool css rules when in mobile and tablet mode. I also apply here an very old project.

WHAT DID I LEARN

I learned to apply html and css knowledge in angular. I noticed that I can't straight html codes in angular and had to google ways to fix issues. I learned to deploy angular project using router. I learned better how to use git commands and to storage data in github. I learned to ask help in stack overflow as I created an account there.

WHAT TO DEVELOP

I would like to get to know more familiar with git command and GitHub. As I have now some better knowledge in web development, I would like to learn how react works.

I want to improve my coding skills, how the code looks and comments on the code.