React.js Fundementals 3 ects (nonstop, updated on 9.9.2023)
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26/11/2024
I'm starting a ReactJS course today and I expect the course to be difficult to learn as I have never used javascript/front end frameworks to create websites. Even though I am expecting it to be difficult I'm also really into learning React as I've heard good things from it. I want to learn how to create more modular websites which I am able to code "proper" instead of doing php all the time for frontend and backend. After I'm done with the react course I'll probably continue working on my own websites with react for a few weeks and then start preparing to code backend servers using python or something similar.

I've completed the first segment "Javascript ES6". I didn't know all the modern javascript features came from ES6. I learned all of the ES6 ways when I was learning javascript.

Just completed "react introduction" and installing nodejs was weirdly difficult when windows didn't want to work again. Everything else worked nicely and I was able to create the first project. I created the first project "myapp" then I had to create a new project "helloreact" which was weird, because I don't know why I had to make 2x projects. At least I learned to create the project 1 extra time so I know the steps to create a react app. The exercises were easy enough to go from memory. Overall the introduction was good and easy to follow along

"React Component" was an introduction I didn't expect to have. React files look so much different to normal html files. I've never used react before the files look weird, but I will get used to the format quickly. I don't understand why react names all attributes and styling guides with camel case when html uses dash case. Components are easy enough to understand and seem to be a better way to create websites than html.

"Props & State" was easy enough to complete with basic programming knowledge. In the introduction it had "what is JSX", but it was not addressed in the following paragraphs. I enjoy how simple states are to use. I can make web applications which update on their own. I just wonder if I need to upload the state to the backend database or if I can upload the state to the cookies of the browser. Props are easy enough to use. The exercises were easy to use and I completed them pretty quickly. I'm assuming JSX is the {} code. I'll see if JSX is code in {} the following chapters hopefully.

12/2/2026
I have come back to study again after I've completed a NodeJs course in Metropolia open AMK.

I did not have issues or errors in the user input chapter.

I had issues in the chapter 3rd Party Components. I couldn't get the code to work in ag-grid as the material is using an old version of the ag-grid and does not support the new modern ag-grid themes. I had to go to the documentation to relearn and use AI to actually get a proper chapter on how the ag-grid system works. The ag-grid components worked perfectly fine but they did not render before I changed to the new system. The code in the chapter worked fine-ish, but it was messy.

The networking chapter has issues in the 6.4 page. Reqres has changed how their system works so you need to authenticate before the request can be sent. I had to learn how to authenticate using chatgpt as the material did not show how the authentication worked.

I did not have issues in the react router. It worked perfectly fine and I learned to do a new routing system which I always wondered how it worked.

I have issues with the MUI component library chapter in the learning material as it is not up to date and I need to search the entire MUI website to find for example the "BUTTON" sources. I had to skip 9.3 chapter entirely to keep going and I found the source for the inputs/buttons from **https://mui.com/material-ui/react-button/**. It took me an hour to find the real docs as the MUI website does not actually link to the documentation.

The chapter about firebase cannot be completed as it is shown in the chapter. The firebase web layout is way different, it does not show links as it should show. I cannot connect to the database without using the built in gemini to help me get the real database connection. From **https://[YOUR_PROJECTID].firebasedatabase.app/items/.json** being converted into **https://firestore.googleapis.com/v1/projects/[YOUR_PROJECTID]/databases/(default)/documents/[DATABASE_COLLECTION]** due to all of these changes in the firebase it is not as simple as it is promised. I need to create a firebase connection and authentication system and learn the firebase from scratch without support of the actual learning material. It is super frustrating having to learn everything from scratch and to follow the todo list programming guide. I have had so many issues with the project due to the material being outdated. I am on the verge of just skipping this entire course as the firebase stuff does not work like it should work. It is super annoying to spend 3 hours trying to get some code to work, but then you need to fix other issues in the code as it is also updated to a new system in API change.

13/02/2026
It's a new day and I've tried to get the firebase to work, but now it is asking for me to pay a 10€ fee to start a 300€ "free" credit for 90 days. I am not willing to pay the 10€ until I am sure that the learning material is going to actually help me go through the setup. I've spent over 2 hours on this today trying to set up everything, but it feels impossible to set up. The google's firebase docs don't even give information on how I get everything I need for this.

20/02/2026
I have finally finished with the course. I did not solve last time the firebase issue, but I got it solved today after hours. The firebase application works now and is deployed in the github pages now. I learned how to do firebase applications from scratch and I learned to publish and test react applications. I did not know that publishing to github pages was this simple, otherwise I would've published to github pages earlier. The course did not meet to my standards I've received from Metropolia and I am really disappointed in it. I wish the issues that I have found work arounds will be fixed. I have published the projects to github at https://antritus.github.com/metropolia-reactjs/ and I hope that the work arounds are used in the main course if no other way is found to make the course viable for others. I do not wish anyone else to use 8 hours straight just to get the firebase section to work like it should. I started to work on this course over one year ago, if I would've finished the course over one year ago I would've probably never met these issues in the course.