Documentation 20.05.20

Project: Pizza website

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* New week new Project

As we reached for new week, our teacher in charge, Jyri Lindroos, gave us new project. That would be the website for pizza with many different functions. Required functions that the website must have are: list for pizza toppings, working database, choose different pizzas and extras like drinks and/or sweets.

* Introduction

For the pizza ordering website main tool we used were text editor Atom. As for database we used free database software XAMPP. In our meetings we used SCRUM method and for the writing program we used *The Notepad*.

Our website uses many languages and tools, they are: HTML, CSS, PHP, MySql (XAMPPP), SQL, JavaScript, Jquery, Bootstrap 4.0, Flexbox.

* Our Plan

After we got instructions from Jyri, we started to plan what kind of pizza website we are exactly going to make, considering Jyri’s demands. First we discussed and agreed to try to make as professional website as we can. For that we visited many different pizza websites all over the Google to find ideas, what kind of website we should make. Secondly we planned how we want to place different objects and elements (buttons: ’sign up, log in, log out, your order, your account’, menu, content for web name and news etc...) on the website.

* Division of Labor

As we looked for ideas both of us found great ideas what to do for our pizza website. Ranar found amazing idea to use Modal Window for the menu. Tony suggested to use flexible box layout for website.

Tony made full website layout. Ranar made Modal Popup Window. Next we needed to find pictures for form and menu. As Ranar have over 10 years of experience in hospitality field (kitchen area) he started to put together pizza menu while Tony searched for all the pictures that are used in the website. All the decisions were collaborated (how to use, where to use etc...). Collaboration was professional, friendly and full of fun.

* Database and SQL

We didn’t get any lessons/courses for database and SQL from Aino Heikkinen. We did look information together from google for what and how to do it. Few things we managed to get from Kai as he conducted last lessons.

We have fully working database. From DB we left out credit card and payment methods. That we don’t need as this website is a school project, and not for any business company.

SQL was very hard to conduct independently as the amount of information you can find is enormous. We did get help from teachers Jyri and Kai to guide us on the correct track. We haven’t yet manage to finish the SQL however, the amount of work left is quite small.

We have tied up database and SQL. Working parts are: menu information fully from database; sign up-, login- and log out form via database.

* System Overview
* User Groups

We planned to make Michelin\*\*\* quality like pizzeria. Our main ingredients are expensive and exclusive. Most of the ingredients are coming straight from different parts of Italy. We have secret recipes for pizza dough and sauce. That is why our pizza prices are high. Our Business Plan is focus to gourmet of pizza. Who ever loves pizza is welcome here and we do our best to provide the best pizza You can have from what ever part of the World.

* Use Case Diagram



* Flowchart Diagram

* Entity Relationship Model
* System Information Content
* Issues/difficulties

Biggest issue was that teacher Aino Heikkinen, did not go through any lessons. Therefore we had to gather information from Google, that took us a lot of spare time.  
First difficulty we faced was Modal Window. Building it up was hard, but at the end we managed it. Secondly there was function to OPEN it after what followed CLOSE function. From beginning we used Vanilla JavaScript to close Modal and it worked. Opening Modals worked 100% for all Modals, however closing Modal function worked properly only with the first Modal (in our case it was Log In Modal Window). We smashed our heads to many walls, and found Jquery tool that will do the work. And it did. However now we are facing new difficulty and you will be able to close each Modal Window only once.

Last difficulty we faced was SQL problem. We were sure from the beginning that you need to write Modal once and the rest of the information that comes inside is through SQL from Database. We had difficulties how to write that part of PHP code correctly. At the end we asked and got information from teacher Kai.

* Personal opinions about Project

Tony Lehtonen opinion: The project was challenging and arduous but fun nonetheless.

Ranar Klopp opinion: I think this have been the best project we have had so far. Ofcourse it highly depends who is in the team with you. Our project started super nicely, both I and Tony gave ideas what to do and it worked out on both ways. Everything in our project planning went smoothly. When I stuck some issues, then Tony friendlily came and gave help to solve it and vice versa. It was quite challenging project considering that we had only 10 days to do it. Also if we would have had more fun if we would have had more database lessons. Overall everything worked out perfectly but we did not manage to finish the whole project. I think we would need about two more weeks for it.

* Used Time (both Tony and Ranar together)

SCRUM: 20h

FINDING INFORMATION: 44h  
CODING: 16h  
TESTING and FIXING issues: 20h