Describe the usage of REST API in real life scenarios

An API is like a translator for translating data between different services. The messenger that takes the request to a system and then brings back the response. REST API is the most common thing when talking about API:s. A REST Api is used when "translating" and sharing data on the internet. An example of this could be when you want to put together data from different services to create your own service. Like when you want to show all the instagram pictures from a special Longitude/Latitude on your website or you want to compare different flight prices on different sites to get the cheapest or fastest flight.

Describe the purpose of GIT repositories and their usage in projects

GIT manage data in a project over time. Git stores the information in a data structure called a repository. The repository stores data and keeps track of the changes made in the files. You can use it to exchange data between developers if you work on a project together or just to keep track of your changes.

Describe how a REST API would help Pizzajakten. Imagine that you have a collection of data on your website that you want to re-use in your mobile phone applications. What are the resources you would like to share, and how would you share them? Make a list of all resources you find required, and justify why them. 3 Do you have any duplicate resources, is your API easy to understand?

For the project Pizzajakten we could use a RESt API to to pin point all pizzerias in Jönköping on a map. For this implementation we would need to know the longitude and latitude for every pizzerias position. We need this informations as we are going to use the coordinates to find the positions on the map.

If we would like to extend this API we would add information like phone number, adress and opening times for every pizzeria. Another interesting thing to know about the pizzerias is what pizzas they make. Then we would add information such as ID of the pizza, name of the pizza, what kind of ingredients are on the pizza and what price it is sold for. Some would even like to know if it is possible to serve it gluten och lactose-free.

References:

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