

Task 1 - Describe REST APIs and GIT

RESTful apis

With a REST API it makes it easier to develop not only a webpage but apps as well without the information from the same system and the clients don't have to be in the same language, in most (if not all) programming languages there is a way to do a http request and get data from an API which sends the response in a way that the client program is able to decode it to its own as a json string can be converted to a JS object or in PHP an associative array or a class. a RESTful API is not only able to use the GET request but all the methods as DELETE and POST to update information and delete information.

GIT

Git is a version control system that allows that you edit files and re-commit them as a new version. With GIT you can rollback to a previous version if the fix is more a bug than a fix. Connected to something like github a group can work alongside each other and commit their edits and merge them together. There are also the possibility to branch off and build a other part that while building would conflict the other build.

Task 2 – REST API in your project

having a API for this project wuld make it easier to develop a mobile app to grab the pizzerias and theres pizzas, includeing the users in the api whuld make it possibale to have one acout that are able to login ib every device and get there preferenses. I wuld say that i wuld like to build an API for the project that wuld help building the webpage.

a start of the api wuld look something like this:

Get api/ingredients returns a list of all ingredients

Get api/pizzas/:array_chosen_ingredients return top 10 pizzaz matching the choice whit
like{pizzas[{id: 334235, pizzeria:2341, name: Margareta, ingredients:[ost, tomat, skinka],
pris:75kr},{id: 156156, pizzeria:2340, name: Margareta, ingredients:[ost, tomat, skinka], pris:75kr}]}

get api/pizzeria/:id return information about the pizzeria as location name if hase glutenfree option
etc

get api/pizzeria/:id/list returns a list of the pizzerias pizzas in order as the number in thers menuue.

get api/u/:userid/favorites whit oath option to get the users favorites pizza

post api/u/:userid/favorites/:pizzaid adds a favorite pizza in users list

delete api/u/:userid/favorites/:pizzaid remove a favorite pizza in users list

GITHUB LINK

https://github.com/TheSwedishScout/appliedweb_bibliotek