

## Task 1 – Describe REST APIs and GIT

An API is the tool that makes a website's data understandable for a computer. Using REST API computer can edit the data received and view it.

*Client* → HTTP → *Server*

### REST APIs usage in real life

- You can get specific parameter from the website you want and use it in another website. For example take the coordinated from googlemaps.com and use them in instagram.com to get the location.
- Third part organizations (client) use APIs to put their products or update them in the server.
- When person refresh his mobile application app for example (BBC app) because of APIs it communicates with the server and the server refreshes at the same time giving the client top news.
- Android and Iphone use two different programming languages but because of REST API they can interact with each other.
- REST API is used to update, remove and add data to the database.

### GIT repositories

GIT repositories main purpose is to make programming code more understandable (management). It puts code into specific folders which helps programmer to navigate through the code. GIT also shows which files were changed and what was changed in those files.

## Task 2 – REST API in your project

We are creating a movie database, similar to IMDB but with less (more specific) information. The purpose of the website, apart from getting a grade and passing the course, is fulfilling the needs of people in the current trend of listing - saving and sharing data within a specified interest (like movies), and make this process as sleek-looking and easy as possible, so that you can enjoy creating your own library, as personalized as possible.

### REST API in my php project.

Using REST API user can get specific information about the movie from the database to their phone application about:

- Genre
- Actors
- Year
- Directors
- IMDB score

Using REST API I could make it possible for the user to use CRUD functions. (Create, update, retrieve, delete information in their personal account.)

Using REST API user will also get the newest information in their phone application from the server database.