**Week 08**

**JSON Web Token (JWT)**

JWT is an information transfer system that uses the Json format.

It is used to send and received information with the purpose to obtain authorization in a web application, it's compact and has the credentials inside him. It's separated into dots and divided into three parts:

* Header - normally has the type of token and which hashing algorithm (HMAC SHA256 or RSA)
* Payload - has the claims (information the authenticated users and your permissions).
* Signature - in this part is encoded the header and payload and it is necessary to have one secret. This secret is very important because it is what ensures the integrity of the token.

Should not have sensitive data in JWT, because it is encoded and not encrypted, the encoded process can be reversed, because your goal is ensuring the information can be consumed correctly.

More information can be found at *https://www.rfc-editor.org/rfc/rfc7519* and for Decoded and Encoded visit *https://jwt.io/*

Example:

