

# Secure Software

## Project 2 2016-2017

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We ask you to take your web site that manages todo lists for users and implement the protocol using the OAuth2.0 Authorization Code Grant to be able to work with a secure API.

You need to :

1. create a RESTful API (PHP or otherwise) to get, in JSON format, information on the todo lists using OAuth2.0 for authentication and authorization, with among others the following actions:
  - 1.1. get a token session
  - 1.2. obtain lists
  - 1.3. get items of a given list
  - 1.4. add a list
  - 1.5. add one item to a given list
2. update your website code to use this API.

You can of course use open source and free libraries / frameworks to help.

You must send me the source code of the server and web client and a report (PDF) explaining everything you have in place (open source and free libraries used, the configuration that you performed, architecture that has been set up with maximum details, ...).

This report and the source code of the web client and server will be in a zip file named « SS-ID-NAME-SURNAME-Project-2016-2017.zip » where you replace the "ID-NAME-SURNAME" by your id, name and surname. You will send this file to my Dropbox (<https://www.dropbox.com/request/IS5DESUhTslOI8mAOBdG>) before December 22th, 2016.