1 Interface specification

This document outlines the specifications of the back-end application. The back-end application has a RESTful interface with which the front-end communicates with.

The data format used will be JSON.

The JSON objects can be found in the json_objects.ods file in this directory.

Complete overview of back-end endpoints. P stands for parameter	
Uri path without source	Description
/curricula	an array of curricula
R /curriculum/:curriculum_id/module/:module_code	returns a module.
/curriculum/:curriculum_id/semesters	an array of semesters
R /curriculum/:curriculum_id/semester/:semester_number	
/qualifications	returns a filter_qualifications object
/curriculum/:curriculum_id/architecturallayer/:id/activity/:id	
/module/:module_code	returns a module for editing or gets a edited module
/module/:module_code/pdf	returns a PDF according to the options send to it

2 Sprint implementation

returns information to edit a module	
URL	/module/:module_code/pdf
Method	POST
Gets	gets a string array with options like: A,B,C
Returns	Returns a PDF
Returns	200 OK
	404 Not found
	401 Unauthorized

3 Endpoint definitions

This section describes the urls more specifically with functionality, the JSON format and HTTP codes. The dataobjects are described in json_objects.pdf in

this repository

3.1 Curricula of student program

returns information to edit a module	
URL	/module/:module_code
Method	GET
Returns	Returns a filled editable_module_output as found in sprint_4_us3
Returns	200 OK 404 Not found

returns information to edit a module	
URL	/module/:module_ID
Method	POST
Gets	gets a filled editable_module_input as found in sprint_4_us3
Returns	200 OK 404 Not found 401 Unauthorized

returns a complete semester object	
URL	/curriculum/:curriculum_id/semester/:semester_number
Method	GET
Returns	Returns a filled complete_semester object as specified in sprint_3_us1.png
Returns	200 OK 404 Not found

returns a complete filter_qualifications object	
URL	/qualifications
Method	GET
Returns	Returns a filled filter_qualifications object as specified in sprint_3_us6.png
Returns	200 OK 404 Not found

returns a complete qualifications_overview_semester object	
URL	/curriculum/:curriculum_id/architecturallayer/:id/activity/:id
Method	GET
Returns	Returns a filled qualifications_overview array as specified in sprint_3_us6.png
Returns	200 OK 404 Not found

returns a module	
URL	/curriculum/:curriculum_id/module/:module_code
Method	GET
Returns	Returns a filled module_content object as specified in sprint_two_JSON_objects.png
Returns	200 OK 404 Not found

semesters of curriculum	
URL	/curriculum/:curriculum_id/semesters
Method	GET
Returns	json array of semester objects which in turn are filled with corresponding modules.
Returns	200 OK 404 Not found

curricula of student program	
URL	/curricula
Method	GET
Returns	json array of curriculum objects.
Returns	200 OK 404 Not found