Java spring server endpoints

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1 About

This document contains information about the Java spring servers HTTP endpoints. They can be reached when the server is running on `http://localhost:8080/` locally or on `http://vattenskoter.fredin.org:8080/` from when running on the development server.

2 List of mappings

This section contains a list of all head mappings, the topmost different sections in the spring server.
Empty cells indicate empty/null arguments, bodies, or payloads.
Dates are in ISO8601 yyyy-MM-dd'T'HH:mm:ss.SSSXXX.

OK = Exists on server now.
TBD = Has yet to be implemented (To Be Done).

2.1 Head mappings

Mapping	Subsection	Description
/students	2.2	Endpoints for: GET student names, email, and educational moments POST student educational moments
/instructors	2.3	Endpoint for: GET instructor names
/events	2.4	Endpoints for: GET events POST events

2.2 Submappings /students
2.2.1 GET

Status	Type	Mapping	Args	Body	Description
OK	GET	/students		[{ name: string, email: string }]	Returns a list of all students on the database.

OK	GET	/students/{email}	email: string	{
				name: string,
				email: string
				}
					Returns a specific student, given their unique email.

OK	GET	/students/{email}?property={prop}	email: string,
			prop: string
				{
				{prop}: string
				}
					Returns a specific property of a student, such as its name, given the property name and the student's unique email.

OK	GET	/students/{email}/moments	email: string	[{ name: string, description: string, completed: bool }]	Returns a list of all educational moments for a student with a completion status.

OK	GET	/students/{email}/moments?moment={moment}	email: string,
			moment: string
			(no blankspaces.
			Replace blankspace with underscore _)
				{
				name: string,
				description: string,
				completed: bool
				}
					Returns a specific educational moments for a student with a completion status.

2.2.2 POST

Status	Type	Mapping	Args	Out type	Description

TBD	POST	/students/{email}/updatemoment	email: string,	{
				name: string,
				completed: bool
				}
					Sets the completion status of an educational moment of a student, given the student's unique email, the name of the educational moment being set, and the boolean status (where completed = true).

2.3 Submappings /instructor

2.3.1 GET

Status	Type	Mapping	Args	Body	Description
OK	GET	/instructors		[{ name: string	Returns a list of all instructors' names.

				}]	

2.3.2 POST

Status	Type	Mapping	Args	Body	Description

2.4 Submapping /events

2.4.1 GET

Status	Type	Mapping	Args	Body	Description
OK	GET	/events		[{ id: uint, title: string, from: date, to: date, instructors, string[], participants: string[] }]	Returns a list of events stored in the database.
OK	GET	/events?from={from}&to={to}	from: date, to: date	[{ id: uint, title: string, from: date, to: date, instructors, string[], participants: string[] }]	Returns a list of all events stored in the database between two given dates.

TBD	GET	/events/{id}	id: uint	{
				id: uint,
				title: string,
				from: date,
				to: date,
				instructors, string[],
				participants: string[]
				}
					Returns the event with the given id.

2.4.2 POST

Status	Type	Mapping	Args	Payload	Description
TBD	POST	/events/newsession		[{ title: string from: date, to: date, instructors, string[],	Creates an event given a JSON payload event.

				participants: string[] }]	
TBD	POST	/events/{id}/updatesession	id: uint	[{ title: string from: date, to: date, instructors, string[], participants: string[] }]	Overwrites the data of the event with the same id on the database to the new given JSON payload.