




Mongoose schema v6



NN = Not Null




_id: 1
name: 'Syksy 19 megahaaste'
pointsGoal: 9001
releaseDate: 2019-07-20
startDate: 2019-08-01
endDate: 2019-11-30
deadline: 2019-12-14
seriesTitle: 'Pro series'
pointBonus: 1
organizers: [1, 5, 12]
activities: [1, 2, 3, 4, 5, 6]

_id: 2
name: 'Syksy 19 megahaaste'
pointsGoal: 9001
releaseDate: 2019-08-20
startDate: 2019-09-01
endDate: 2019-11-30
deadline: 2019-12-14
seriesTitle: 'Latecomers'
pointBonus: 1.2
organizers: [1, 5, 12]
activities: [7, 8, 9, 10]




Challenges		
	_id	objectId NN
	name	string NN
	pointsGoal	int NN
	releaseDate	date NN
	startDate	date NN
	endDate	date NN
	deadline	date NN
	seriesTitle	string
	pointBonus	decimal NN
	organizers	objectId NN
	activities	objectId

_id: 1
name: 'Olli Organisoiija'
email: 'olli.organisoiija@ambientia.com'
password: (bcrypt hashed)
location: 'Hämeenlinna'
username: 'OlliTheMan'
avatar: 101010100001111
activeChallenge: 1

Users		
	_id	objectId NN
	name	string NN
	email	string NN
	password	string NN
	location	string
	username	string
	avatar	binData
	activeChallenge	objectId




Scores		
	_id	objectId NN
	totalPoints	int NN
	Challenge	objectId NN
	User	objectId NN

Koontitaulu, päivittyy suoritusmerkintöjen ohessa, ettei tarvitse laskea koko datasta.



Urheilusuoritukset		
	_id	objectId NN
	instances	[{}] Instance NN
	date	date NN
	amount	int NN
	totalAmount	int NN
	totalPoints	int NN
	User	objectId NN
	Activity	objectId NN

_id: 1
instances: [
 { **date:** 2019-06-30, **amount:** 5 },
 { **date:** 2019-07-01, **amount:** 10 }
]
totalAmount: 15
totalPoints: 45
User: 1
Activity: 1

Ansaitut mitalit

Badges		
	_id	objectId NN
	date	date NN
	User	objectId NN
	Achievement	objectId NN

Pisteet lisätään Scores tauluun, kun mitali ansaitaan


Achievements		
	_id	objectId NN
	name	string NN
	requirement	int NN
	pointsReward	int NN
	Activity	objectId NN

Merkittäessä urheilusuoritusta, lasketaan ylittyykö saavutuksen pisteraja

_id: 1
name: 'Try New Things'
requirement: 100
pointsReward: 200
Activity: 1

_id: 2
name: "Kettlebell Champion"
requirement: 3000
pointsReward: 500
Activity: 1

Urheilulajit

Activities		
	_id	objectId NN
	name	string NN
	points	int NN
	type	string
	unit	string
	description	string
	url	string

_id: 1
name: 'Kettlebell lifts - kahvakuulanosto'
points: 3
type: 'Weight training - lihaskuntoharjoitus'
unit: '5 lifts / nostoa'
description: 'Lift the kettlebell from ground level above your shoulders'
url: 'http://youtube.com/watch?12345'

Ratkaistava: missä logiikka sijaitsee, laskeeko frontti vai backend nämä?