

Assignment 2

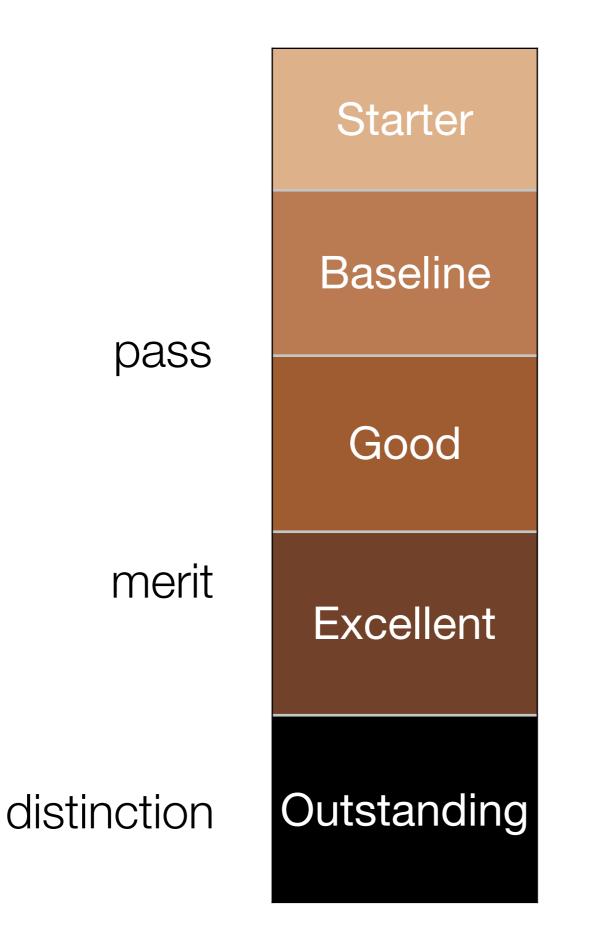
Assignment Concept

A Gym requires an app to periodically track assessments on individual members

Assessments capture essentials measurements on the member at a given date

The app should generate analytics on the status of the member after a given assessment

The app should enable a Trainer to review assessments, and comment on any specific assessment

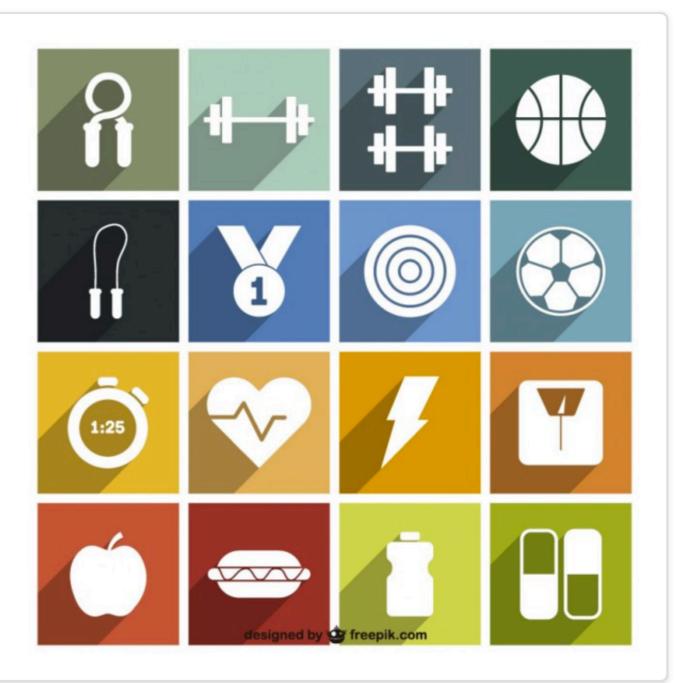


Assignment 2 Grading Range Starter

Grade Range	Member	Assessment	Trainer	Reports
Starter	none	Test assessments loaded from yaml file consisting of weight, chest, thigh, upper arm, waist, hips	none	List of all assessments

BMI Tracker

Fill in your assessments week by week and track your BMI. Trainers will comment on your progress and encourage your to keep going!



Starter

Play Gym	Dashboard	About
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Weight	Chest	Thigh	Upper Arm	Waist	Hips
123.3	45.0	12.5	23.3	32.0	38.0
123.3	45.0	12.0	23.3	31.0	36.0



Starter

Potential Starting Point

Consider adapting Todolist 1 application (Lab-09b) refactoring the Todo model to become an Assessment

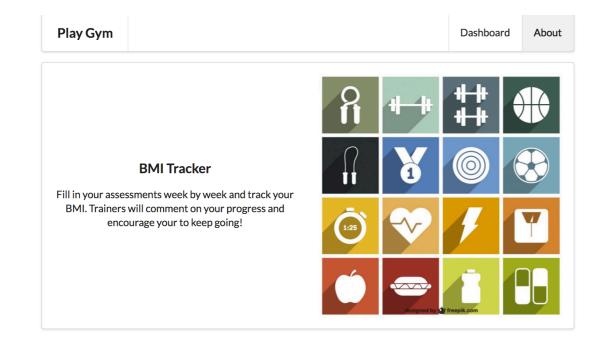
Play Gym	Dashboard About
BMI Tracker Fill in your assessments week by week and track your	
BMI. Trainers will comment on your progress and encourage your to keep going!	

Play Gym					hboard	Abou
Weight	Chest	Thigh	Upper Arm	Waist	Hips	i
123.3	45.0	12.5	23.3	32.0	38.0	
123.3	45.0	12.0	23.3	31.0	36.0	

Baseline

Grade Range	Member	Assessment	Trainer	Reports
Baseline	Member model: name, email, password, address, gender, height, startingweight. Single member loaded from yaml file	Multiple Assessments associated with single user in yaml file. Form to add more assessments in UX	none	+Current BMI

Play Gym				Da	shboard About
	HOMER SIMI	PSON		Ф 42.6 вмі	6
Weight		Chest		Thigh	
00.00kg Upper Arm		00.00cm	00.00cm		
		Waist		Hips	
00.00cm		00.00cm		00.00cm	
Add Assess Weight	Chest	Thigh	Upper Arm	Waist	Hips
123.3	45.0	12.5	23.3	32.0	38.0
			23.3	31.0	



Play Gym					Das	hboard
	HOMER SIM	PSON		-	12.60	5
Weight		Chest		Thigh	I	
00.00kg		00.00cm	00.00cm		00.00cm	
Upper Arm		Waist	Waist		Hips	
00.00cm		00.00cm		00	.00cm	
00.00cm Add Asses Weight	chest	Thigh	Upper Arm	00	.00cm Waist	Hips
vveignt	Cnest	Inign	Opper Arm		waist	rips
123.3	45.0	12.5	23.3		32.0	38.0
123.3	45.0	12.0	23.3		31.0	36.0

Baseline

Potential Starting Point

Include Member class from Todo List 2 (Lab 10). Do not include sessions yet but include a single member in the Yaml file, with associated assessments



Grade Range	Member	Assessment	Trainer	Reports
Good	Signup + Login forms allowing new members to singup	Dashboard shows assessments for logged in user.	none	+BMI Category

Deployed

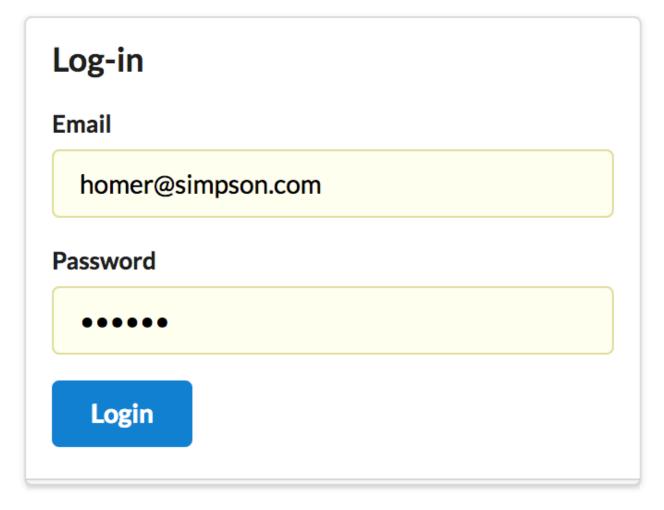
BMI Tracker

Fill in your assessments week by week and track your BMI. Trainers will comment on your progress and encourage your to keep going!



Register	
lame	Gender
Name	Gender
mail	
homer@simpso	on.com
assword	
•••••	
Address	
Height	Starting Weight
Name	Starting Weight
Submit	

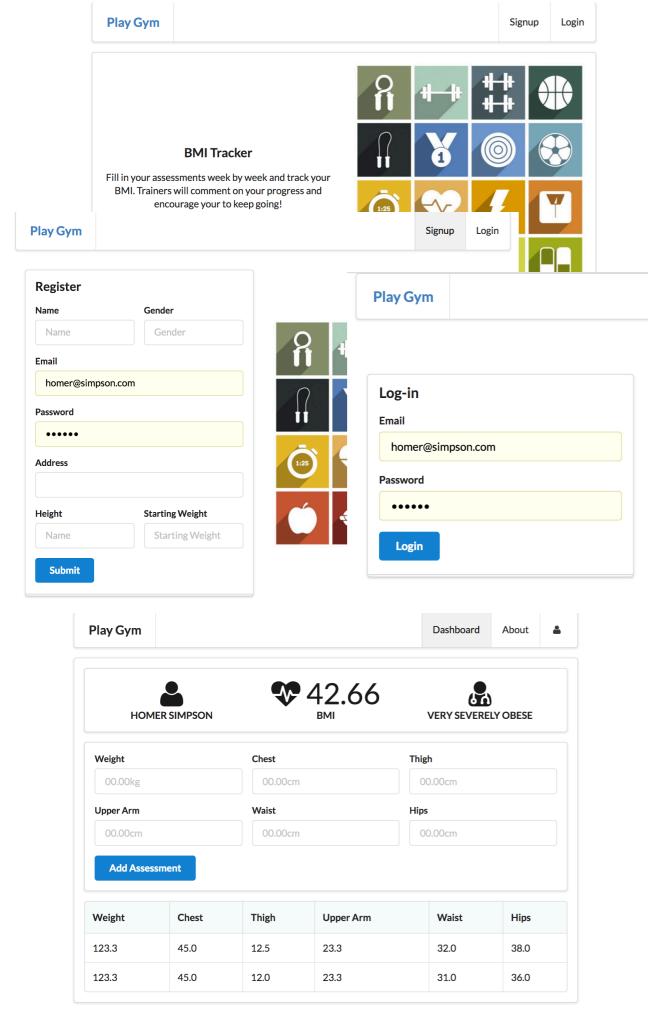
		Play Gym		Signup	Login
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HOMER SIMPSON	Ф 42.66 вмі	VERY SEVERELY OBESE
Weight	Chest	Thigh
00.00kg	00.00cm	00.00cm
Upper Arm	Waist	Hips
00.00cm	00.00cm	00.00cm

Weight	Chest	Thigh	Upper Arm	Waist	Hips
123.3	45.0	12.5	23.3	32.0	Good
123.3	45.0	12.0	23.3	31.0	Good



Good

Potential Starting Point

Review complete Todo List 2 (Lab 10). **Incorporate Sessions** as implemented in that lab Introduce several members in the Yaml file, with associated assessments

Excellent

Grade Range	Member	Assessment	Trainer	Reports
Excellent	Account Settings View allowing user to change details	includes comment field	Trainer Accounts (preloaded from yaml). Trainer logs in and can see member list. Trainer can then see assessments for a user and can comment on an assessment	+deal Body Weight

Deployed	basic git repo
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НОМ	IER SIMPSON	•	GHT INDICATOR	№ 42.6		ERY SEVERELY OBESE
Weight		Che	est	TI	high	
00.00kg					00.00cm	
Upper Arm		Waist		Hips		
00.00cm			00.00cm		00.00cm	
Add Asses Weight	Ssment	Thigh	Upper Arm	Waist	Hips	Comment
						Comment
123.3	45.0	12.5	23.3	32.0	38.0	
	45.0	12.0	23.3	31.0	36.0	



Settings Name Homer Simpson	Gender Male
Email	
homer@simpson.com	
Password	
•••••	
Address	
Springfield, Mass	
Height	Starting Weight
1.7	101.0
Submit	Excellent

Play Gym Trainer	Dashboard	Logout
O Homer Simpson 2 assessments		

Excellent

HOME	R SIMPSON	_	HT INDICATOR	Ф 42.6		VERY SEVERELY OBESE
Weight	Chest	Thigh	Upper Arm	Waist	Hips	Comment
123.3	45.0	12.5	23.3	32.0	38.0	
comments good stuff!						
Update						

Weight	Chest	Thigh	Upper Arm	Waist	Hips	Comment
123.3	45.0	12.0	23.3	31.0	36.0	

Comments		
	Excellent	
Update		

	HOMER SIM	PSON IDEAL WEIG	HT INDICATOR	BMI		VERY SEVERELY OF	BESE	
	Weight	Che			Thigh			
	00.00kg		00.00cm		00.00cm			
		Dashboard	About	•	Hips 00.00cm			
Register	r							
Name		Gender		Waist	Hips	Comment		
Homer S	Simpson	Male		32.0	38.0 36.0			
				51.0	30.0			
Email								
homer@	simpson.com							
Password								
•••••								
Address								
	eld, Mass							
	eld, Mass	Starting Weight						
Springfie	eld, Mass	Starting Weight						
Springfi Height	eld, Mass							C
Springfi Height					GHT INDICATOR	€ 42.6		
Springfie Height 1.7								
Springfie Height 1.7 Submit						BMI	VE	C ERY SI Logo
Springfie Height 1.7 Submit	Gym Trainer					BMI	VE	ERY SI
Springfie Height 1.7 Submit						BMI	VE	ERY SI
Springfie Height 1.7 Submit	Sym Trainer					BMI	VE	ERY SI
Springfie Height 1.7 Submit	Sym Trainer		Update			BMI	VE	ERY SI
Springfie Height 1.7 Submit	Sym Trainer		Update Weight C			BMI	VE	ERY SI

Excellent

Potential Starting Point

Review complete Playlist 3 (Lab 08b). Pay close attention to how playlists links are displayed on a page, and then those links trigger routes to open new controller/views

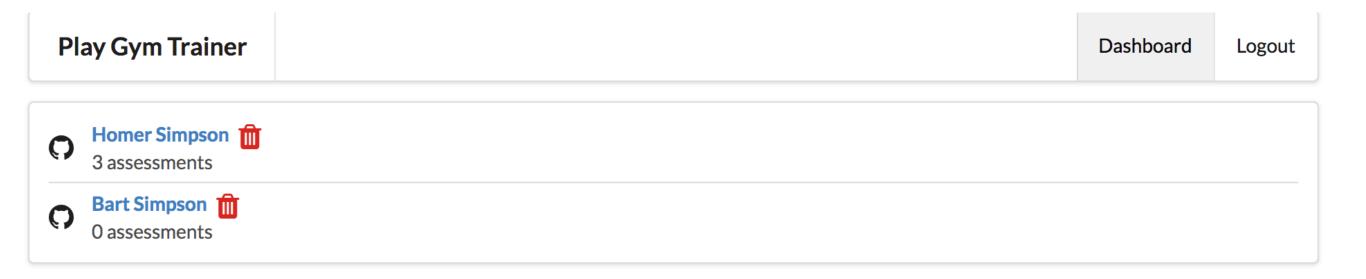
Logout

Outstanding

Grade Range	Member	Assessment	Trainer	Reports
Outstanding	Members can delete individual assessments	Date/Time for each assessment. Assessment always listed in reverse chronological order	Trainers can delete any user	+Trend via simple red/ green label

Deployed	git repo with version history
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HOMER SIMPSON		L WEIGHT INDICATOR			• / 土	VE	ERY SEVERELY OBESE		
Weight		Ches	st			Thigh			
00.00kg		00	0.00cm			00.00cm			
Upper Arm		Wais	st			Hips		Outstandi	
00.00cm		0(0.00cm			00.00cm			
Add Assessment									
Add Assessment Date	Weight	Chest	Thigh	Upper Arm	Waist	Hips	Trend	Comment	
	Weight 124.0	Chest 45.0	Thigh 12.0	Upper Arm 23.0	Waist 33.0	Hips 38.0	Trend	Comment	Û
Date								Comment	Û





Play Gym							Da	ashboard	About 🛔	
HOMER SIMPSON	i ID				• 42	.91	VE		LY OBESE	
Weight	Chest					Thigh				
00.00kg		0	0.00cm			00.	00cm			
Upper Arm		Wais	st			Hips				
00.00cm		0	0.00cm			00.00cm				
Add Assessment										
Date	Weight	Chest	Thigh	Upper Arm	Waist	Hips	Trend	Commen	t	
26-Mar-2017 11:34:49	124.0	45.0	12.0	23.0	33.0	38.0	\$		ŵ	
19-Mar-2017 08:31:00	123.3	45.0	12.0	23.3	31.0	36.0	~		Û	
10-Mar-2017 08:31:00	123.3	45.0	12.5	23.3	32.0	38.0	\$		Ŵ	

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U	\mathbf{O}	la			U

Potential Starting Point

Look carefully at the Delete implementations in Playlist-4 (Lab09a)

Play G	Sym Trainer	Dashboard	Logout
C Hon 3 as	ner Simpson m isessments		
O as	t Simpson m sessments		

Research sorting by date/time in Java.

Research Data Time

classes in Java

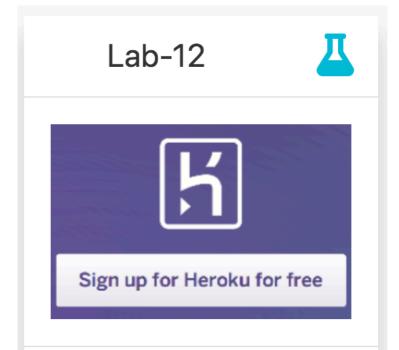
Application Deployment

Getting the application installed & running on a server will also be rewarded

This will be the subject of our final lab

It is reasonably challenging so should only be attempted when the project is mature

A good grade is possible without this being achieved.



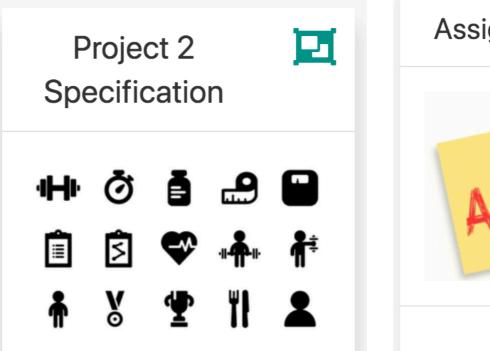
Deploy the an app to Heroku. This will require a heroku account + a locally installed git tool set.

Code Sharing from Programming Assignment 3 to Web Development Assignment 2

Reusing Code from the Programming Assignment 3 may be possible.

This will be rewarded in the grading scheme for Web Development

The most likely Candidates will be from the Utility classes, but you may find creative ways of reusing other aspects.



Draft specification for Assignment 2 Assignment 3

You are required to implement a console-based Gym Management application. The application's architecture is illustrated below.

Grade Range	Member	Assessment	Trainer	Reports	Depl.	Git	Sharing
Starter	none	Test assessments loaded from yaml file consisting of weight, chest, thigh, upper arm, waist, hips	none	List of all assessments			
Baseline	Member model: name, email, password, address, gender, height, startingweight. Single member loaded from yaml	Multiple Assessments associated with single user in yaml file. Form to add more assessments in UX	none	+Current BMI			
Good	Signup + Login forms allowing new members to singup	Dashboard shows assessments for logged in user.	none	+BMI Category	Deployed		
Excellent	Account Settings View allowing user to change details	includes comment field	Trainer Accounts (preloaded from yaml). Trainer logs in and can see member list. Trainer can then see assessments for a user and can comment on an assessment	+deal Body Weight	Deployed	basic git repo	utility
Outstanding	Members can delete individual assessments	Date/Time for each assessment. Assessment always listed in reverse	Trainers can delete any user	+Trend via simple red/ green label	Deployed	git repo with version history	utility+

Specification Web Dev Released <u>Assignment 2</u> Deadlines May reading-weeks June Project Submission: 10 minutes 11:00 pm, Demo/ Sunday May Walkthrough 27th (Over Slack) to

Walkthrough Over Slack) to be scheduled 28/29 May