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

Starter

Baseline

pass

Good

merit

Excellent

distinction

Outstanding

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

Play Gym

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!

designed by freepik.com

Starter

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

Starter

Potential Starting Point

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

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

HOMER SIMPSON

❤ 42.66

BMI

Weight

| 00.00kg |

Chest

| 00.00cm |

Thigh

| 00.00cm |

Upper Arm

| 00.00cm |

Waist

| 00.00cm |

Hips

| 00.00cm |

Add Assessment

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	

Baseline

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

Good

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!

designed by freepik.com

Good

Register

Name

Name

Gender

Gender

Email

homer@simpson.com

Password

••••••

Address

Height

Name

Starting Weight

Starting Weight

Submit

designed by freepik.com

Good

Log-in

Email

homer@simpson.com

Password

••••••

Login

Good

HOMER SIMPSON

💓 42.66
BMI

VERY SEVERELY OBESE

Weight

00.00kg

Chest

00.00cm

Thigh

00.00cm

Upper Arm

00.00cm

Waist

00.00cm

Hips

00.00cm

Add Assessment

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

Play Gym

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.66
BMI

VERY SEVERELY OBESE

Weight

| 00.00kg |

Chest

| 00.00cm |

Thigh

| 00.00cm |

Upper Arm

| 00.00cm |

Waist

| 00.00cm |

Hips

| 00.00cm |

Add Assessment

Weight	Chest	Thigh	Upper Arm	Waist	Hips	Comment
123.3	45.0	12.5	23.3	32.0	38.0	
123.3	45.0	12.0	23.3	31.0	36.0	

Excellent

Settings

Name

Homer Simpson

Gender

Male

Email

homer@simpson.com

Password

●●●●●

Address

Springfield, Mass

Height

1.7

Starting Weight

101.0

Submit

Excellent

Homer Simpson
2 assessments

Excellent

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.66
BMI

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

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

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

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.91
BMI

VERY SEVERELY OBESE

Weight

| 00.00kg |

Chest

| 00.00cm |

Thigh

| 00.00cm |

Upper Arm

| 00.00cm |

Waist

| 00.00cm |

Hips

| 00.00cm |

Outstanding

Add Assessment

Date	Weight	Chest	Thigh	Upper Arm	Waist	Hips	Trend	Comment	
26-Mar-2017 11:34:49	124.0	45.0	12.0	23.0	33.0	38.0			🗑
19-Mar-2017 08:31:00	123.3	45.0	12.0	23.3	31.0	36.0			🗑
10-Mar-2017 08:31:00	123.3	45.0	12.5	23.3	32.0	38.0			🗑

Homer Simpson 🗑
3 assessments

Bart Simpson 🗑
0 assessments

Outstanding

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.
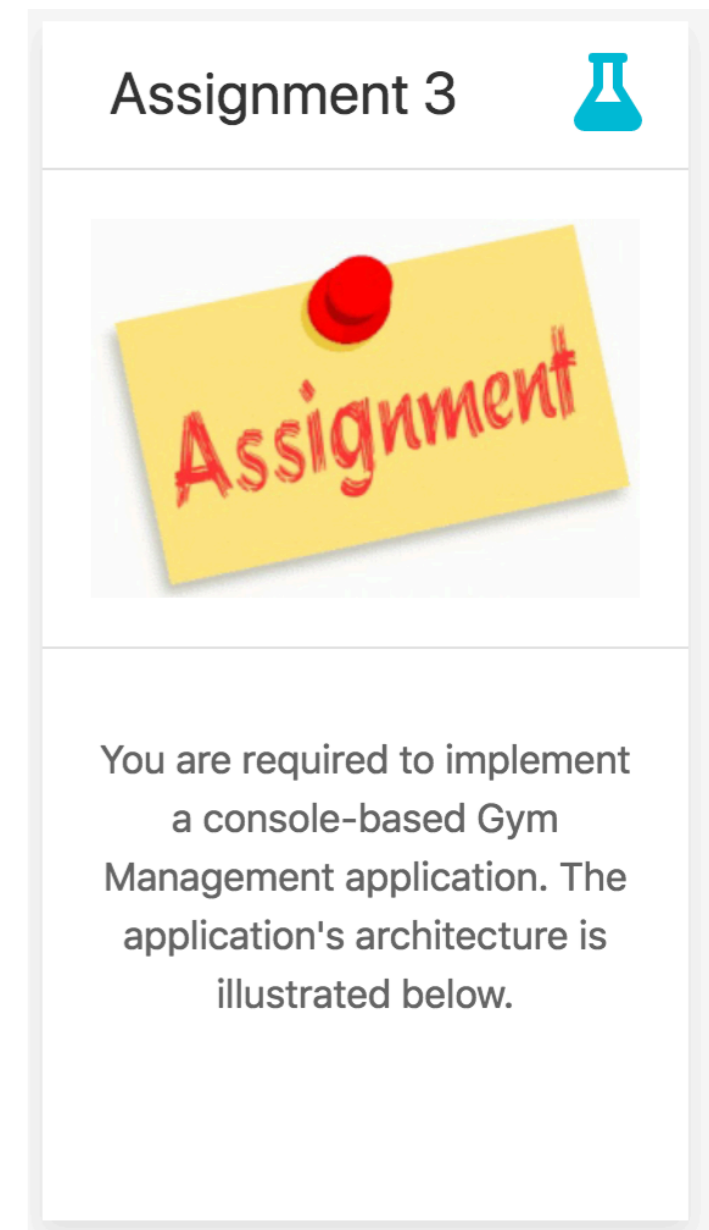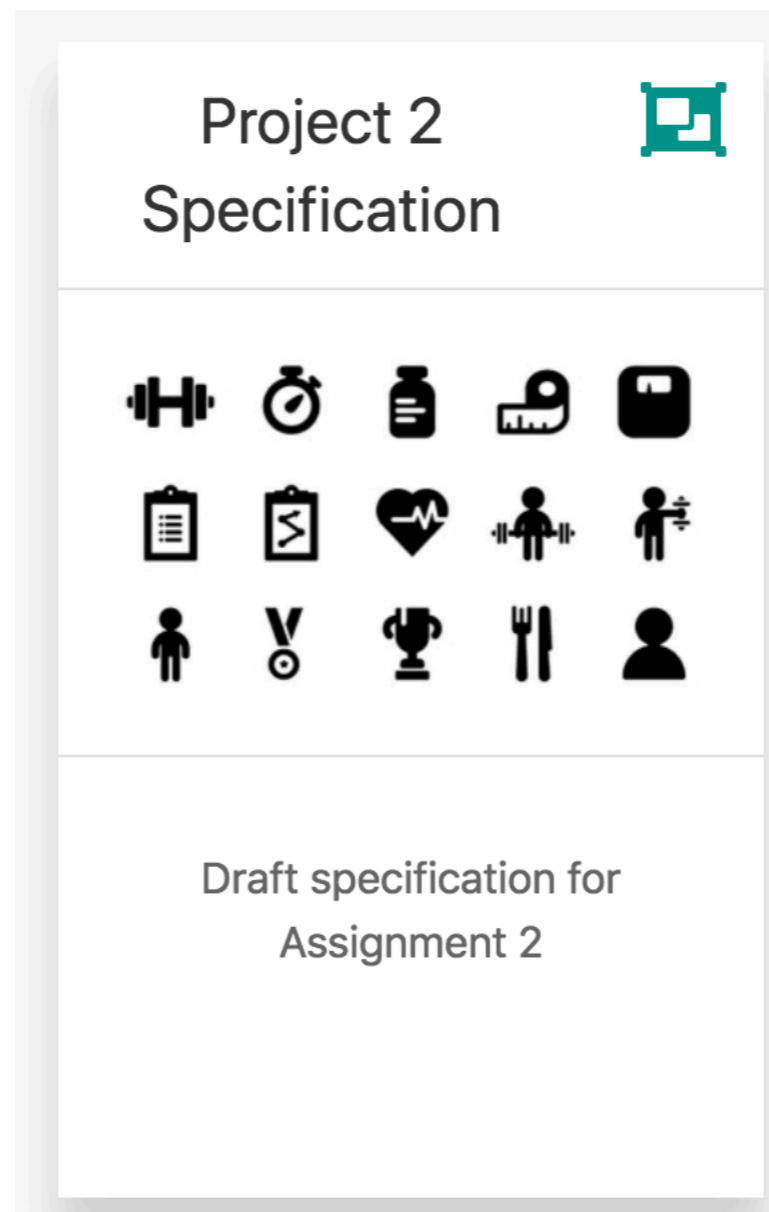
Lab-12

Sign up for Heroku for free

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.

Project 2 Specification

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+