

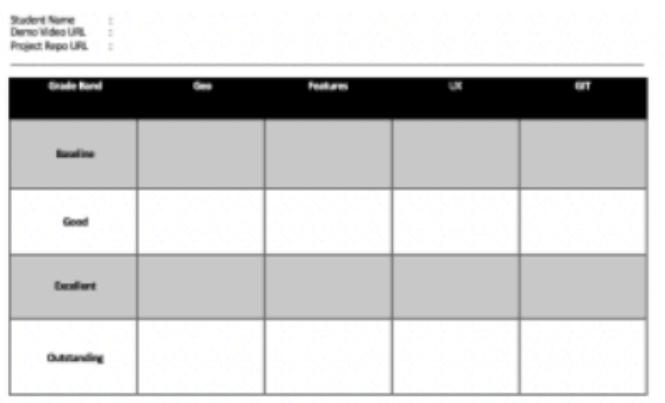
Assignment 2

Project 2 Specification 



Specification for Assignment 2

Project Submission Template 



An archive of a word document to be submitted with assignment 2

Assignment 2 Submission  

Moodle assignment dropbox for Assignment 2

Agenda

Assignment Concept

Grading Bands

Detailed Specifications

Grading Rubric

Deadlines

Where to start?

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

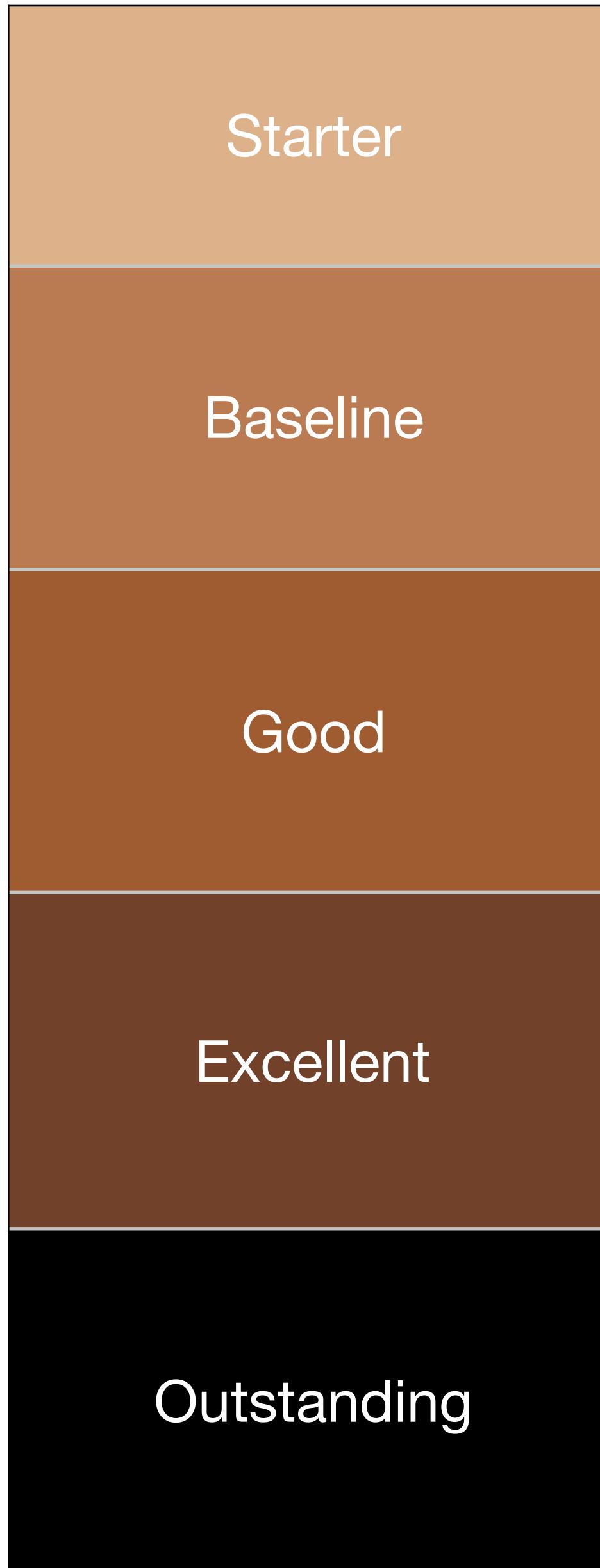
The app should generate analytics on the status of the member after a given assessment

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

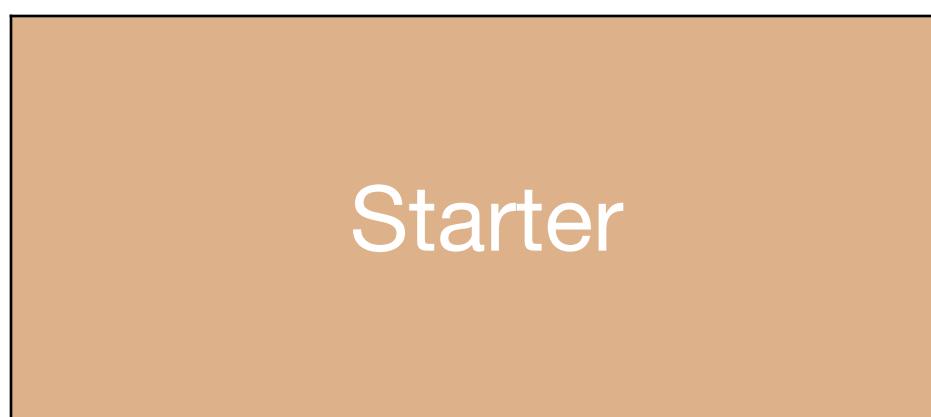
Assignment 2 Grading Range

Grading Bands

pass
merit
distinction



Ratios
Assignment 1 : Assignment 2
40% : 60%



Assessment

Analytics

Test assessments loaded from yaml file consisting of weight, chest, thigh, upper arm, waist, hips

List of all assessments

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 you to keep going!

A 4x4 grid of icons representing various fitness and health metrics. The icons include a dumbbell, a basketball, a medal, a soccer ball, a stopwatch, a heart, a lightning bolt, a water bottle, an apple, a sandwich, a water bottle, and two capsules. A small "designed by freepik.com" watermark is at the bottom of the grid.

Play Gym Dashboard About

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

Baseline

Assessment	Analytics	Member
Multiple Assessments associated with single user in yaml file. Form to add more assessments in UX	+Current BMI	Member model: name, email, password, address, gender, height, startingweight. Single member loaded from yaml file

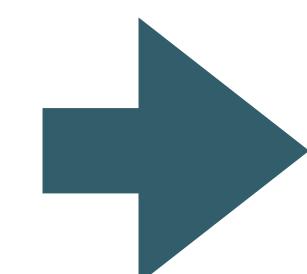
Play Gym	Dashboard	About
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HOMER SIMPSON

42.66

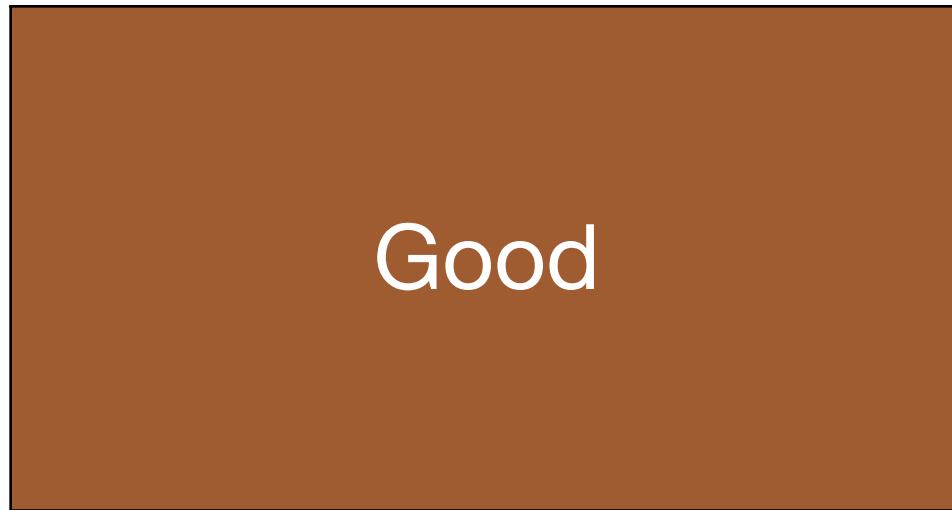
BMI

Play Gym						Dashboard	About
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		



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	36.0



Assessment

Dashboard shows assessments for logged in user.

Analytics

+BMI Category

Member

Signup + Login forms allowing new members to singup

UX Report

Outline Report

Play Gym

Log-in

Email: homer@simpson.com

Password:

Login

Register

Name: Name

Gender: Gender

Email: homer@simpson.com

Password:

Address:

Height: Name

Starting Weight: Starting Weight

Submit

Play Gym

HOMER SIMPSON

BMI 42.66 **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	38.0
123.3	45.0	12.0	23.3	31.0	36.0

Excellent

includes comment field

+deal Body Weight
+shared **code** with
programming assignment

Account Settings View
allowing user to change
details

Detailed
Report

Deployed

Trainer Accounts
(preloaded from
yaml). Trainer
logs in and can
comment on any
assessment.

Dashboard About

Register

Name	Gender
Homer Simpson	Male
Email	
homer@simpson.com	
Password	

Address	
Springfield, Mass	
Height	Starting Weight
1.7	101.0
Submit	

Play Gym Dashboard About

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.66
BMI

VERY SEVERELY OBESE

Weight	Chest	Thigh
00.00kg	00.00cm	00.00cm
Upper Arm	Waist	Hips
00.00cm	00.00cm	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	

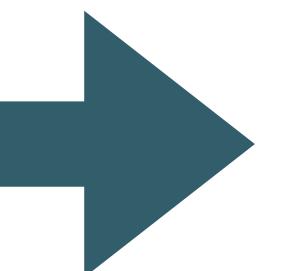
Marge is a 'Trainer'

Log-in

Email
marge@simpson.com

Password
.....

Login



Marge sees List of ordinary 'Members'

Play Gym Trainer Dashboard Logout

Homer Simpson
2 assessments

Play Gym Trainer Dashboard Logout

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

HOMER SIMPSON IDEAL WEIGHT INDICATOR 42.66 BMI
VERY SEVERELY OBESE

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

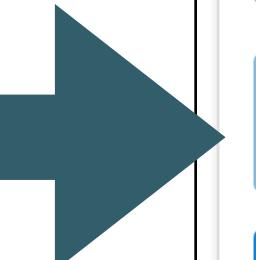
Comments

HOMER SIMPSON IDEAL WEIGHT INDICATOR 42.66 BMI
VERY SEVERELY OBESE

Update

Excellent

Marge can leave
a comment on
individual
assessments



Outstanding

Assessment

Date/Time for each assessment.
Assessment always listed in reverse chronological order

Analytics

+Trend via simple red/green label
+shared **component** with programming assignment

Member

Members can delete individual assessments

UX Report

Enhanced Report

Deployment

Deployed + Git Repo

Trainer

Trainers can delete any user

Play Gym Trainer

 Homer Simpson 	3 assessments
 Bart Simpson 	0 assessments

Play Gym

HOMER SIMPSON IDEAL WEIGHT INDICATOR 42.91 VERY SEVERELY OBESE

BMI

Weight Chest Thigh
00.00kg 00.00cm 00.00cm

Upper Arm Waist Hips
00.00cm 00.00cm 00.00cm

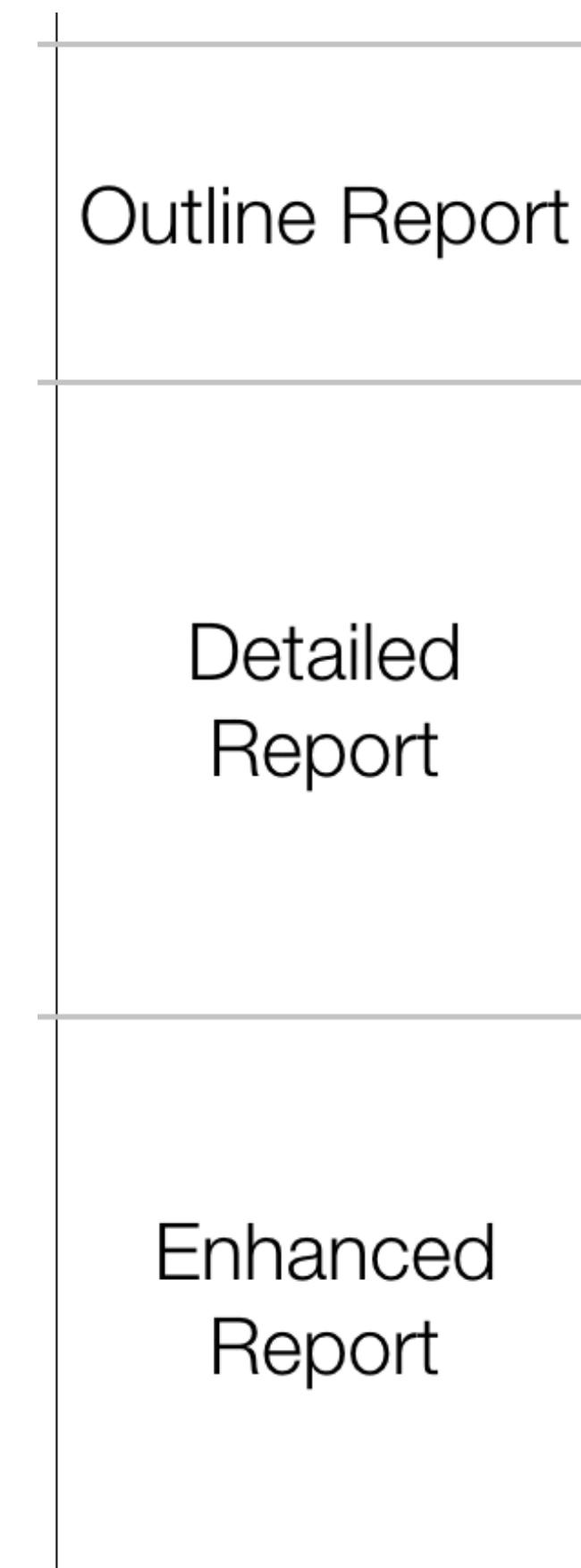
Add Assessment

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			

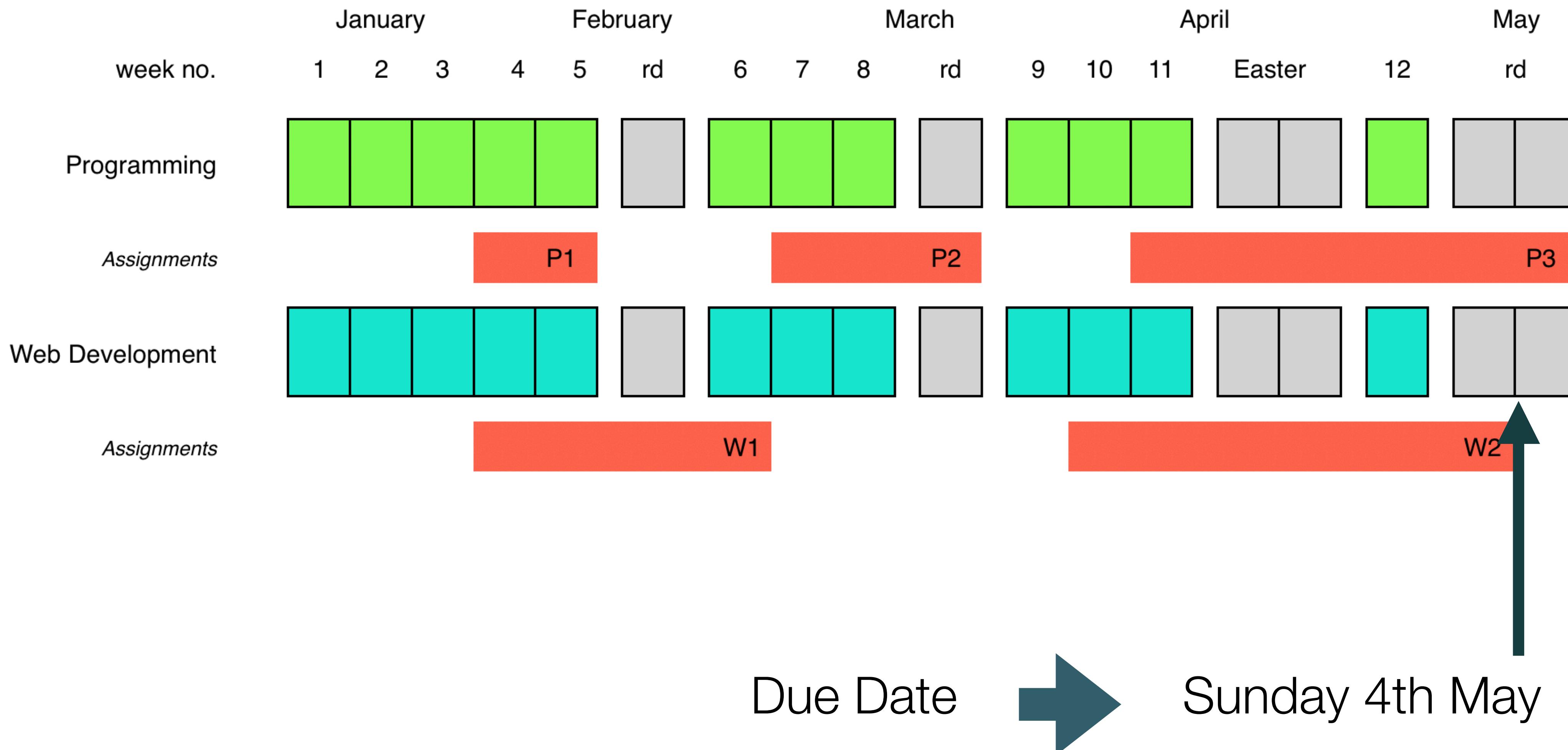
10

Grade Range	Assessment	Analytics	Member	UX Report	Deployment	Trainer
Starter	Test assessments loaded from yaml file consisting of weight, chest, thigh, upper arm, waist, hips	List of all assessments				
Baseline	Multiple Assessments associated with single user in yaml file. Form to add more assessments in UX	+Current BMI	Member model: name, email, password, address, gender, height, startingweight. Single member loaded from yaml file			
Good	Dashboard shows assessments for logged in user.	+BMI Category	Signup + Login forms allowing new members to singup	Outline Report		
Excellent	includes comment field	+deal Body Weight +shared code with programming assignment	Account Settings View allowing user to change details	Detailed Report	Deployed	Trainer Accounts (preloaded from yaml). Trainer logs in and can comment on any assessment.
Outstanding	Date/Time for each assessment. Assessment always listed in reverse chronological order	+Trend via simple red/green label +shared component with programming assignment	Members can delete individual assessments	Enhanced Report	Deployed + Git Repo	Trainers can delete any user

UX Report



Details will be covered
in separate
presentations



Demos & Walkthrough May 5th-11th
- via 20 minute Slack call

Where to Start?

Starter

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

Baseline

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

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

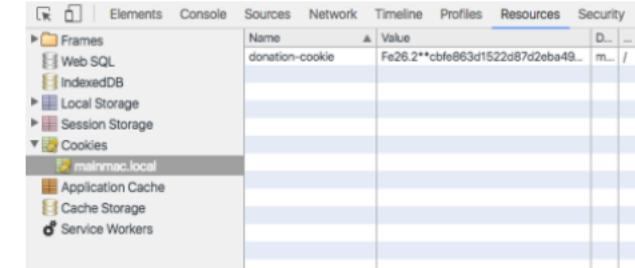
Lab-09a 
Todolist-1



PLAY VIDEO

Develop a completely new application, using the techniques we have explored so far.

Lab-10 
Todolist-2



PLAY VIDEO

Incorporate sessions tracking into the todo app

Excellent

Review complete Playlist 4 (Lab 09b).
Pay close attention to how playlists links are displayed on a page, and then those links trigger routes to open new controller/views

Lab-09b
Playlist-4



PLAY VIDEO

Introduce forms into a play application to enable the user to create playlists.

Lab-11b
Playlist 5



Incorporate Sessions into the latest Playlist Application

Outstanding

Look carefully at the Delete implementations in Playlist-5 (Lab11b)

Research Data Time classes in Java

Research sorting by date/time in Java.

Lab-11a
Playlist Review



Review the Playlist Application

Lab-12a
Deploy



Deploy a Play Application to the cloud