

Assignment 2

Project 2 Specification



Specification for Assignment
2

Project Submission Template



Student Name
Date of Birth
Project Rego URL

Grade Band	One	Features	UE	UET
Baseline				
Good				
Excellent				
Outstanding				

Additional Comments

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

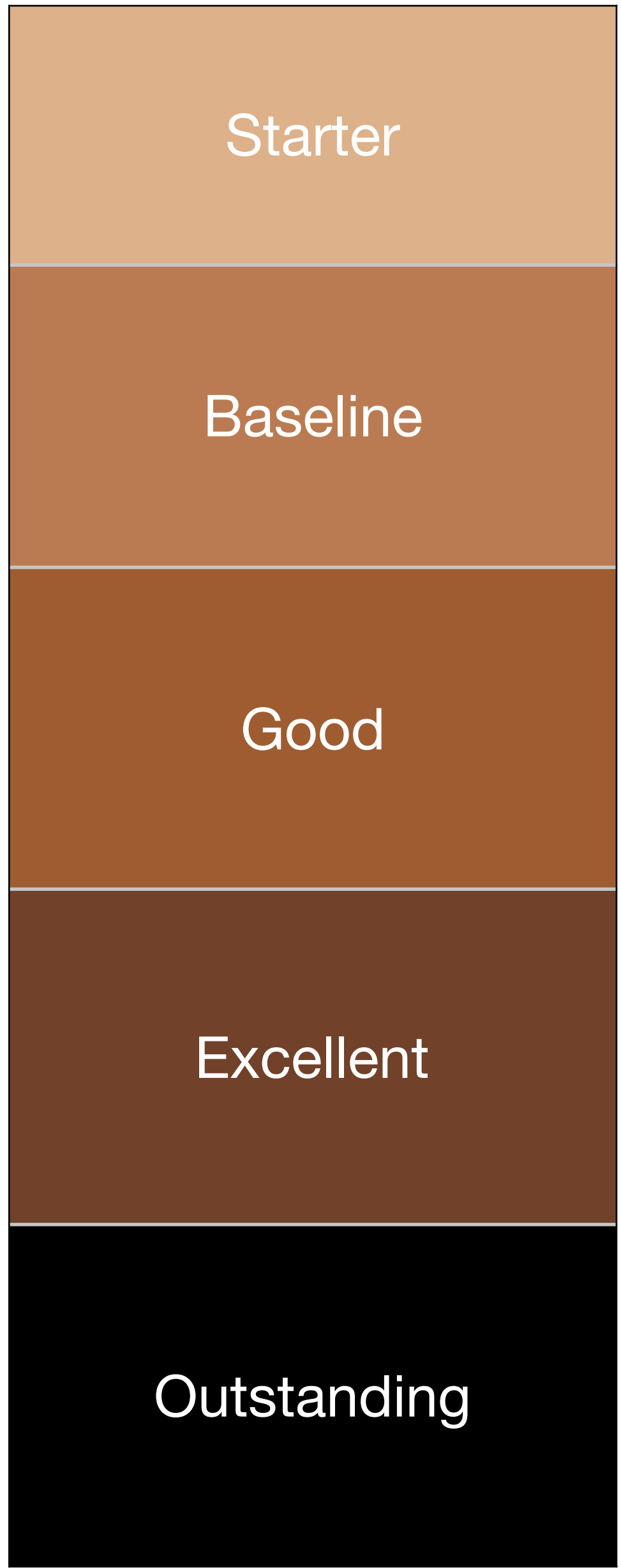
A Gym requires an app to periodically track assessments on individual members

Assessments capture essential 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

Grading Bands



pass

Starter

Baseline

Good

merit

Excellent

distinction

Outstanding

Assignment 2
Grading Range

Ratios

Assignment 1 : Assignment 2

40% : 60%

Starter

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!



designed by freepik.com

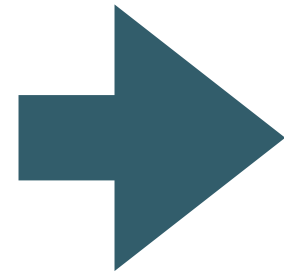
Play Gym Dashboard About

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

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



Play Gym
Dashboard
About


HOMER SIMPSON

 **42.66**
 BMI

Weight

Chest

Thigh

Upper Arm

Waist

Hips

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

Good

Assessment	Analytics	Member	UX Report
Dashboard shows assessments for logged in user.	+BMI Category	Signup + Login forms allowing new members to singup	Outline Report

Play Gym Signup Login

Log-in

Email

Password

[Login](#)

Play Gym Signup Login

Register

Name Gender

Email

Password

Address

Height Starting Weight

[Submit](#)

Play Gym Dashboard About

HOMER SIMPSON

42.66
 BMI

VERY SEVERELY OBESE

Weight

Chest

Thigh

Upper Arm

Waist

Hips

[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

Assessment	Analytics	Member	UX Report	Deployment	Trainer
includes comment field	+deal Body Weight +shared code with <i>programming assignment</i>	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

Email

Password

Address

Height

Starting Weight

Play Gym
Dashboard
About

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.66
 BMI

VERY SEVERELY OBESE

Weight

Chest

Thigh

Upper Arm

Waist

Hips

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

Password

[Login](#)

Marge sees List of ordinary 'Members'





Play Gym Trainer [Dashboard](#) [Logout](#)

 **Homer Simpson**
2 assessments

Excellent

Marge can leave a comment on individual 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

[Update](#)

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

Comments

[Update](#)

9

Outstanding

Assessment	Analytics	Member	UX Report	Deployment	Trainer
Date/Time for each assessment. Assessment always listed in reverse chronological order	+Trend via simple red/green label + <i>shared component with programming assignment</i>	Members can delete individual assessments	Enhanced Report	Deployed + Git Repo	Trainers can delete any user

Play Gym Trainer

- Homer Simpson** 3 assessments
- Bart Simpson** 0 assessments

Play Gym Dashboard About

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.91
BMI

VERY SEVERELY OBESE

Weight:

Chest:

Thigh:

Upper Arm:

Waist:

Hips:

[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 <i>+shared code with programming assignment</i>	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 <i>+shared component with programming assignment</i>	Members can delete individual assessments	Enhanced Report	Deployed + Git Repo	Trainers can delete any user

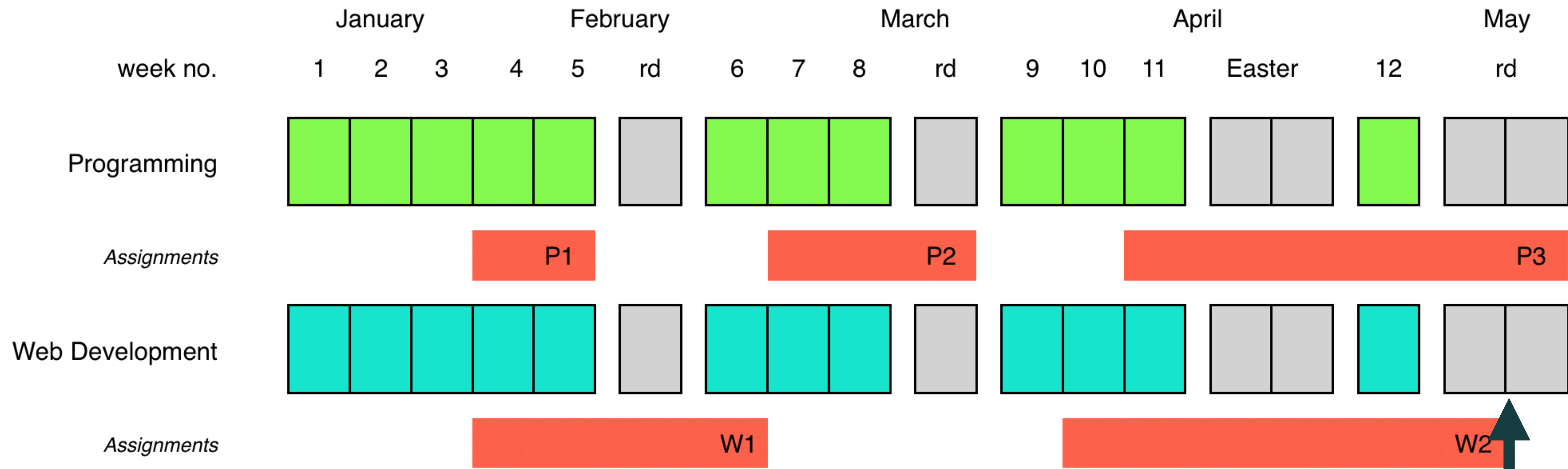
UX Report

Outline Report

Detailed
Report

Enhanced
Report

Details will be covered
in separate
presentations



Due Date → Sunday 4th May

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

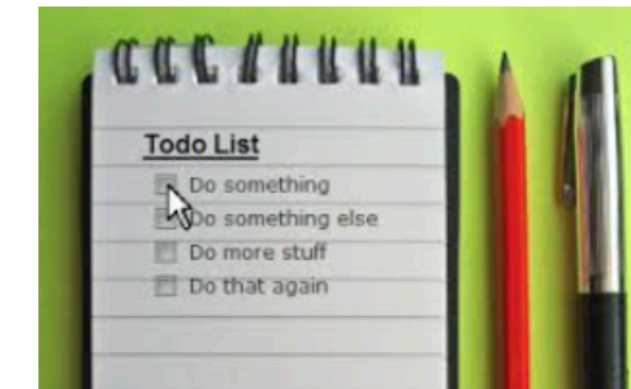
Baseline

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

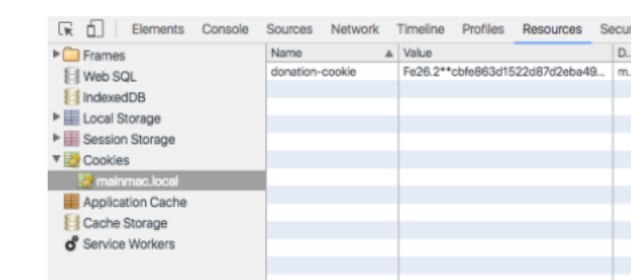
Lab-09a
Todolist-1



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

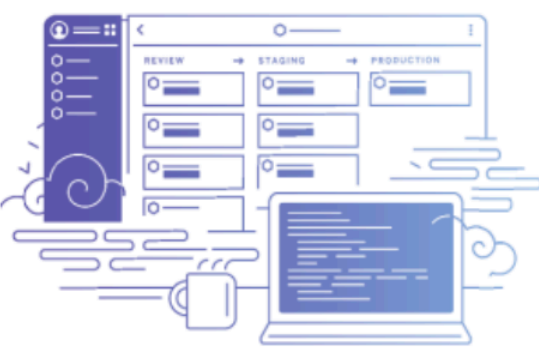
Research sorting by date/time in Java.

Lab-11a Playlist Review 



Review the Playlist Application

Lab-12a Deploy 



Deploy a Play Application to the cloud