

Assignment 2



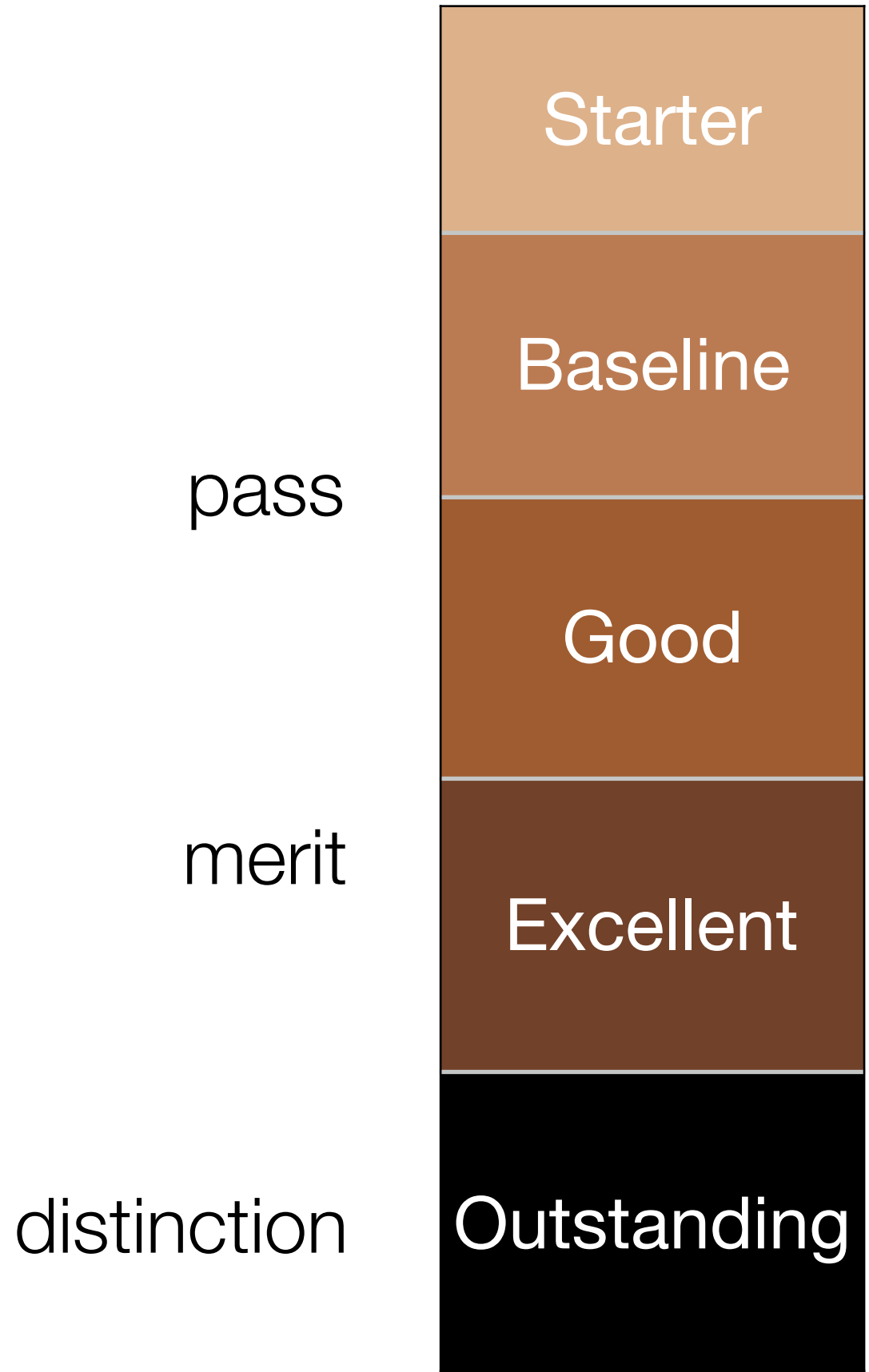
Assignment Concept

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 you to keep going!

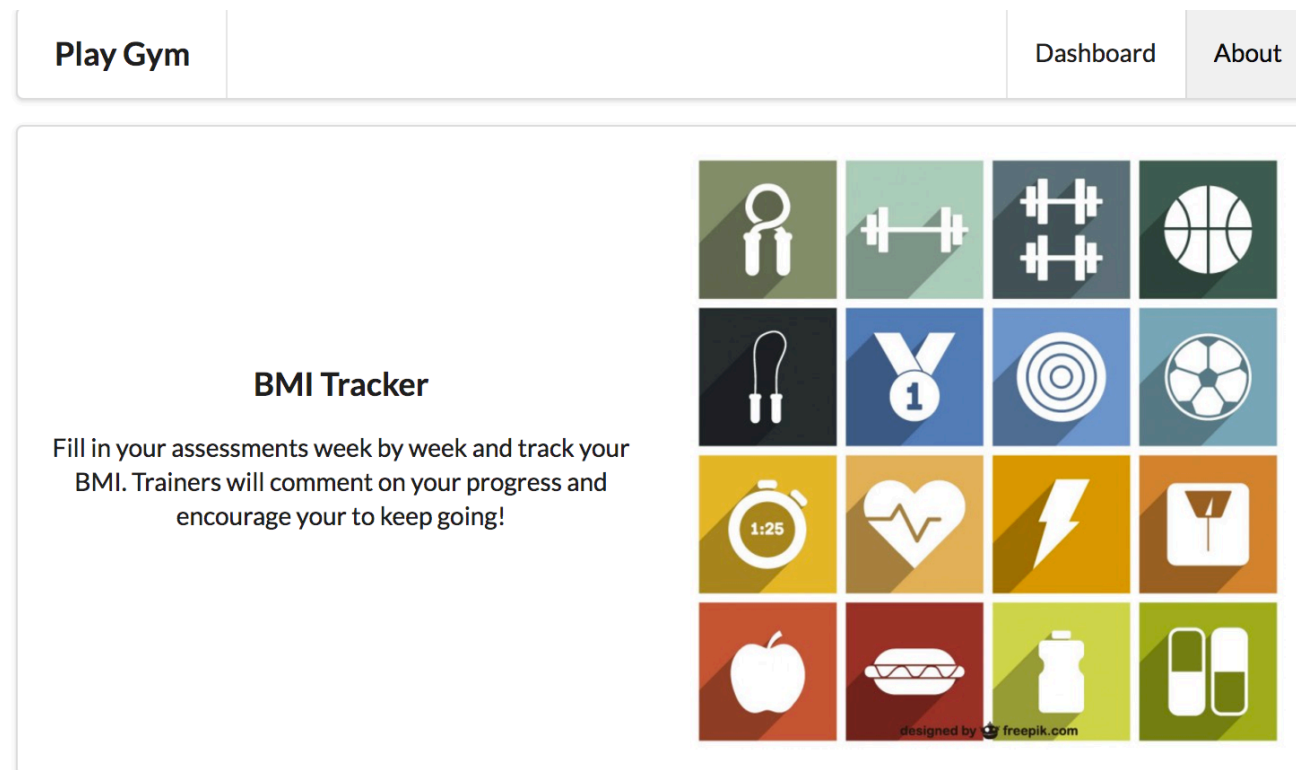


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Starter

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



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


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


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

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!

Baseline

Potential Starting Point

Play Gym
Dashboard
About

HOMER SIMPSON

42.66

BMI

Weight

Chest

Thigh

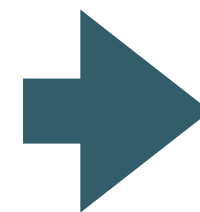
Upper Arm

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



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

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!



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Good

Register

Name

Gender

Email

Password

Address

Height

Starting Weight

Submit



Good

Play Gym

Signup

Login

Log-in

Email

homer@simpson.com

Password

•••••

Login



designed by freepik.com

Good



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	Good
123.3	45.0	12.0	23.3	31.0	


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


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



designed by freepik.com

Settings

Name	Gender
<input type="text" value="Homer Simpson"/>	<input type="text" value="Male"/>
Email	
<input type="text" value="homer@simpson.com"/>	
Password	
<input type="password" value="....."/>	
Address	
<input type="text" value="Springfield, Mass"/>	
Height	Starting Weight
<input type="text" value="1.7"/>	<input type="text" value="101.0"/>

Submit

Excellent

Play Gym Trainer

Dashboard

Logout



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

Update

Excellent

Play Gym

DashboardAbout

HOMER SIMPSON

IDEAL WEIGHT INDICATOR

42.66

BMI

VERY SEVERELY OBESE

Weight00.00kg

Chest00.00cm

Thigh00.00cm

Hips00.00cm

Waist	Hips	Comment
32.0	38.0	
31.0	36.0	

DashboardAbout

Register

NameHomer Simpson

GenderMale

Emailhomer@simpson.com

Password

AddressSpringfield, Mass

Height1.7

Starting Weight101.0

Submit

Play Gym Trainer

DashboardLogout

Homer Simpson

2 assessments

Update

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

Comments

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



HOMER SIMPSON



IDEAL WEIGHT INDICATOR



42.91

BMI



VERY SEVERELY OBESE

Weight

Chest

Thigh







Upper Arm

Waist

Hips

Add Assessment



Outstanding



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			

Play Gym Trainer

Dashboard

Logout

 **Homer Simpson** 
3 assessments

 **Bart Simpson** 
0 assessments

Outstanding

Outstanding

Potential Starting Point


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


Research Data Time
classes in Java


Research sorting by
date/time in Java.


Play Gym

DashboardAbout

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			

Play Gym Trainer

DashboardLogout

Homer Simpson 
3 assessments

Bart Simpson 
0 assessments


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](#)

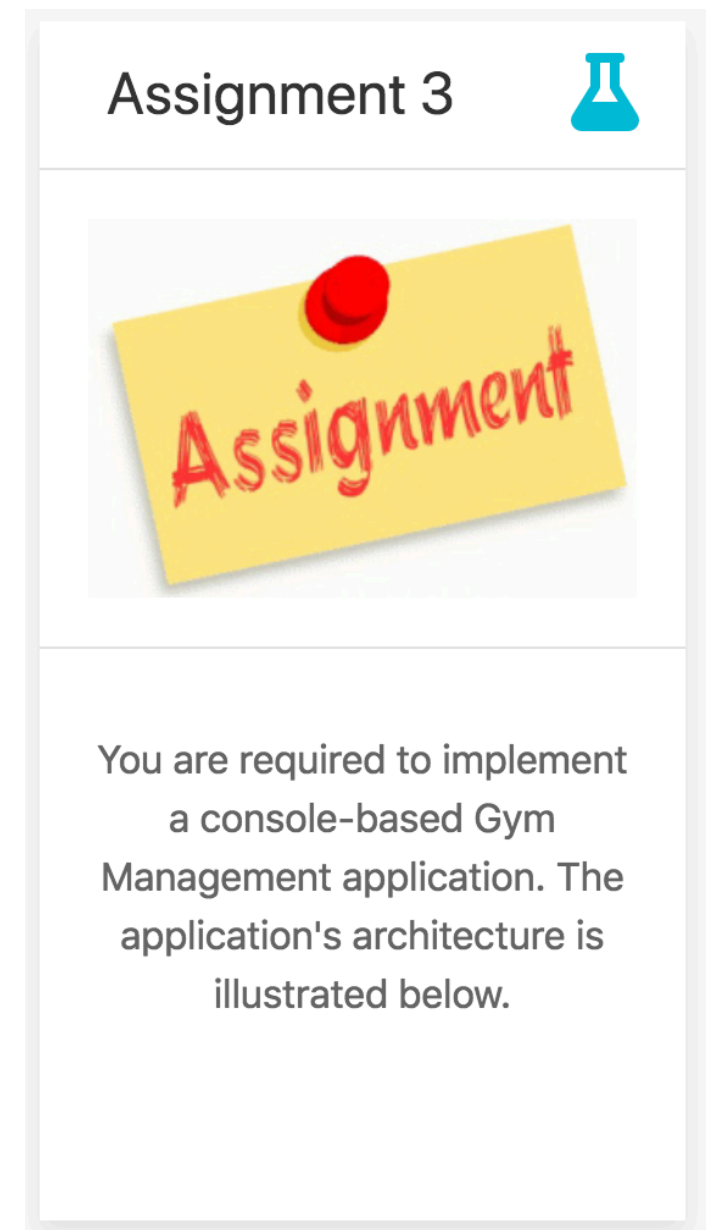
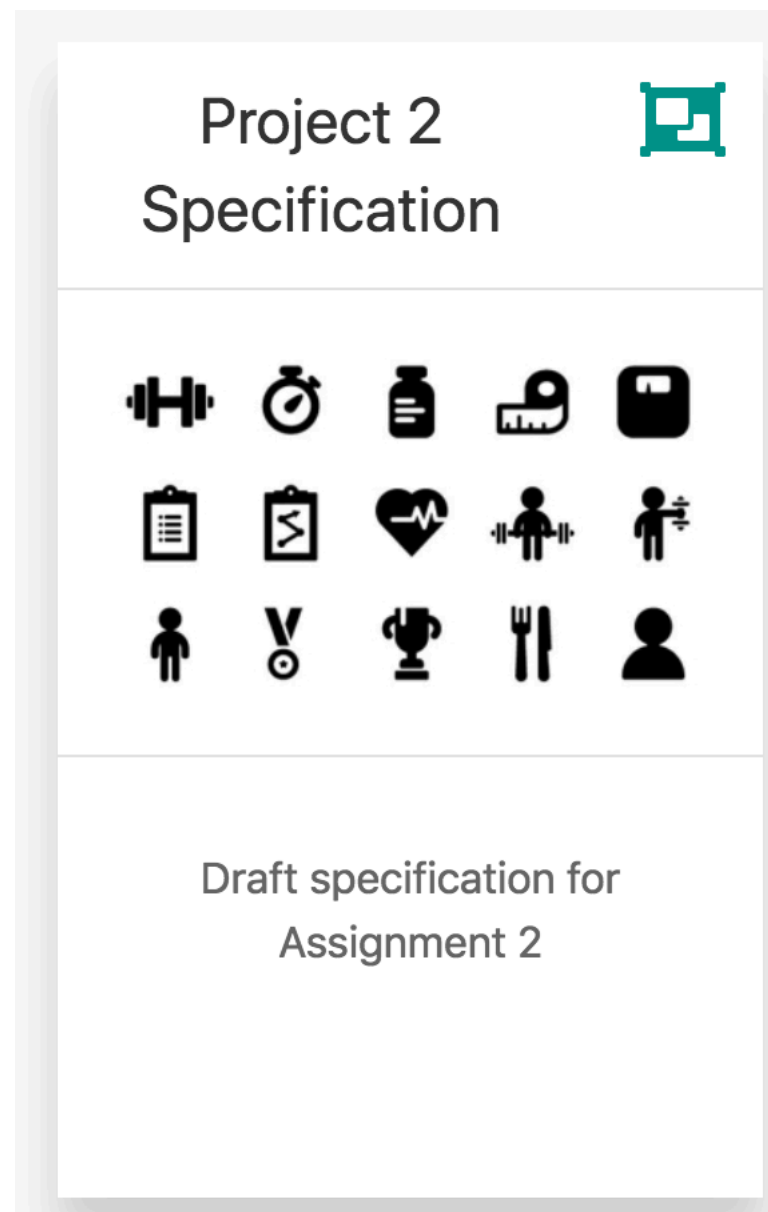
Deploy the an app to Heroku.
This will require a heroku account + a locally installed git tool set.

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.



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

Web Dev Assignment 2 Deadlines

Specification
Released

	9	8	9	10	11	12	13	14	
	10	15	16	17	18	19	20	21	
	11	22	23	24	25	26	27	28	
May	12	29	30	1	2	3	4	5	
<i>reading-weeks</i>		6	7	8	9	10	11	12	
		13	14	15	16	17	18	19	
	1	20	21	22	23	24	25	26	
June	2	27	28	29	30	31	1	2	

Project
Submission:
11:00 pm,
Sunday May
27th

10 minutes
Demo/
Walkthrough
(Over Slack) to
be scheduled
28/29 May