

# Assignment 2

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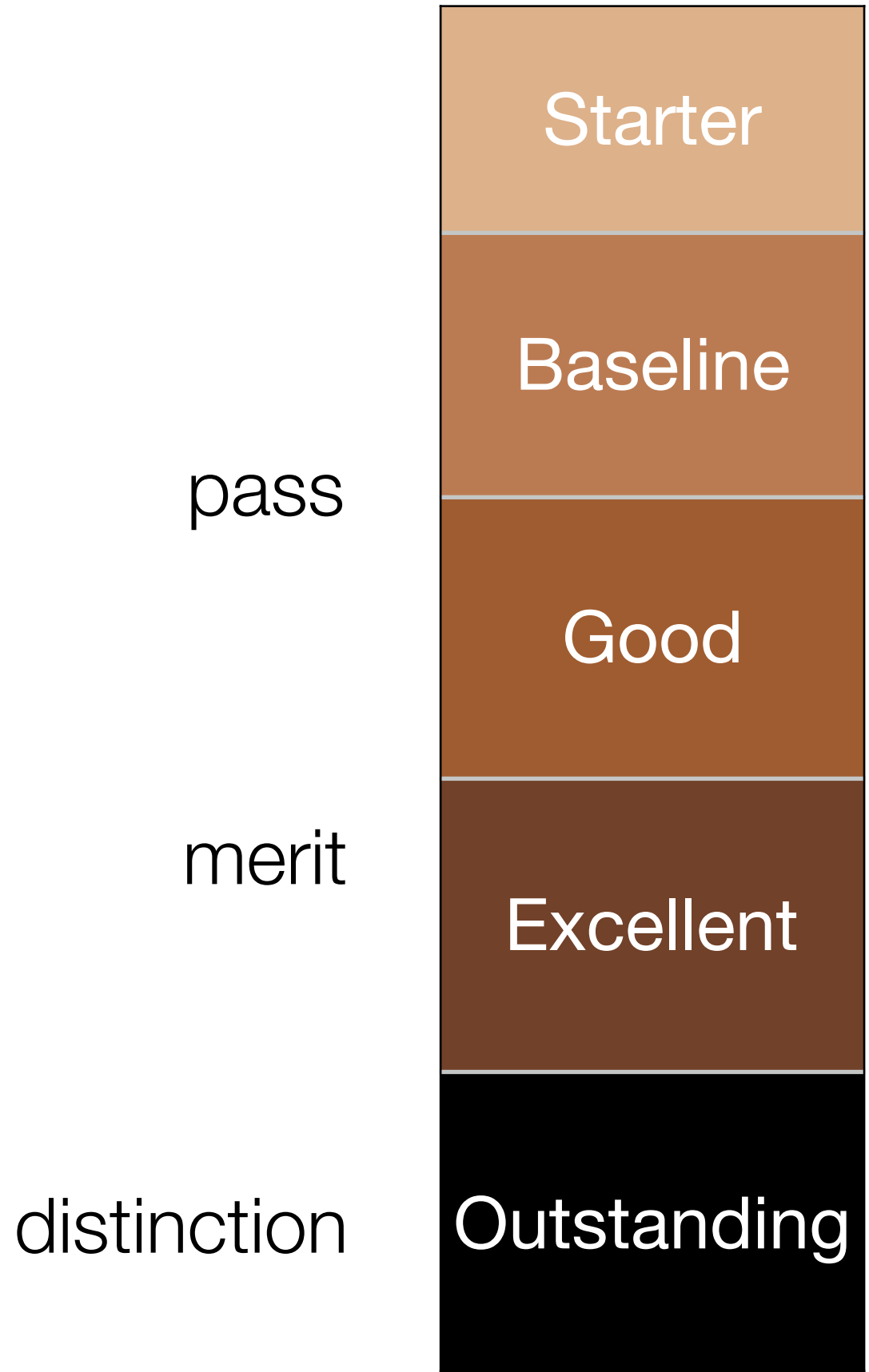
## Assignment Concept

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!

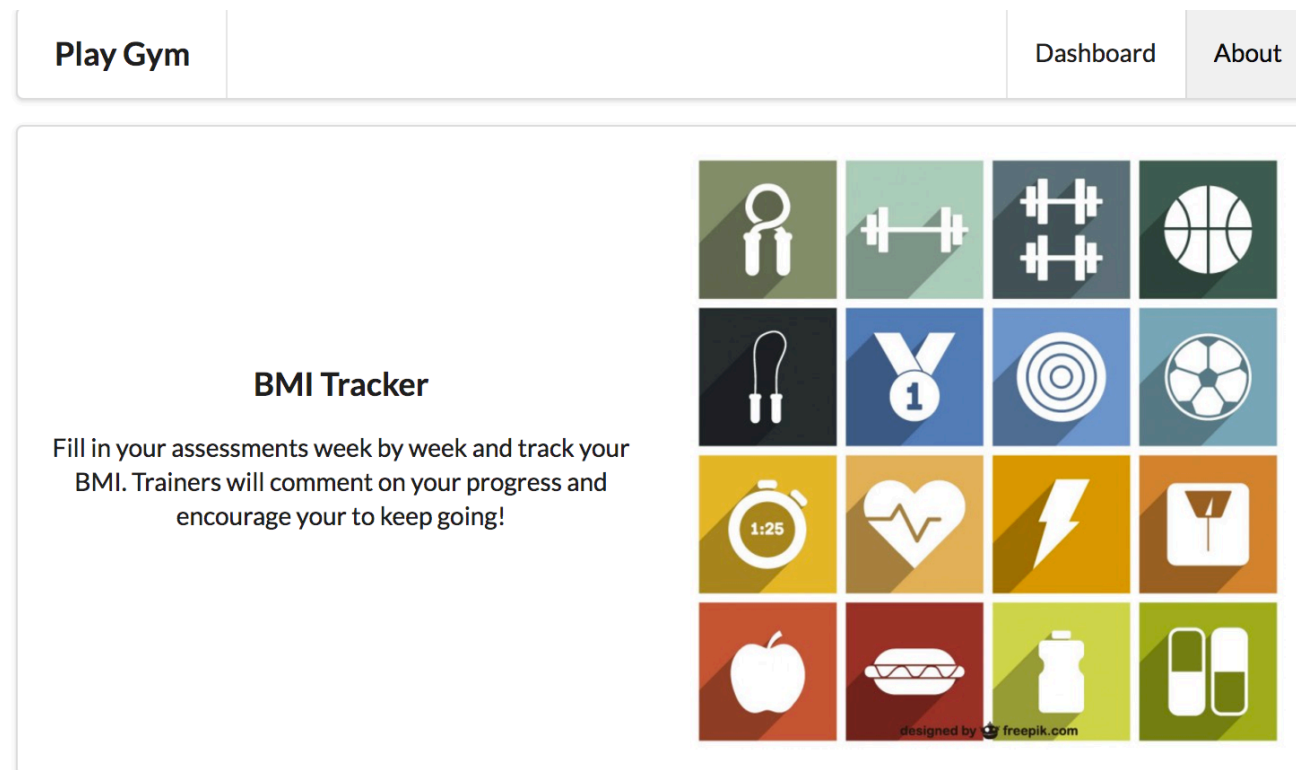


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Starter

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

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	

Baseline

Play Gym

DashboardAbout

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

DashboardAbout

HOMER SIMPSON

42.66

BMI

Weight

Chest

Thigh

Upper Arm

Waist

Hips

00.00kg

00.00cm

00.00cm

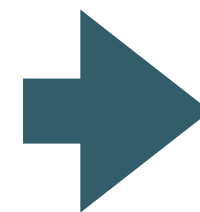
00.00cm

00.00cm

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



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!



designed by freepik.com

Good

## Register

Name

Gender

Email

Password

Address

Height

Starting Weight

Submit



Good

Play Gym

Signup

Login

## Log-in

Email

homer@simpson.com

Password

•••••

Login



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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



# Settings

Name

Homer Simpson

Gender

Male

Email

homer@simpson.com

Password

.....

Address

Springfield, Mass

Height

1.7

Starting Weight

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

Excellent

Update

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](#)

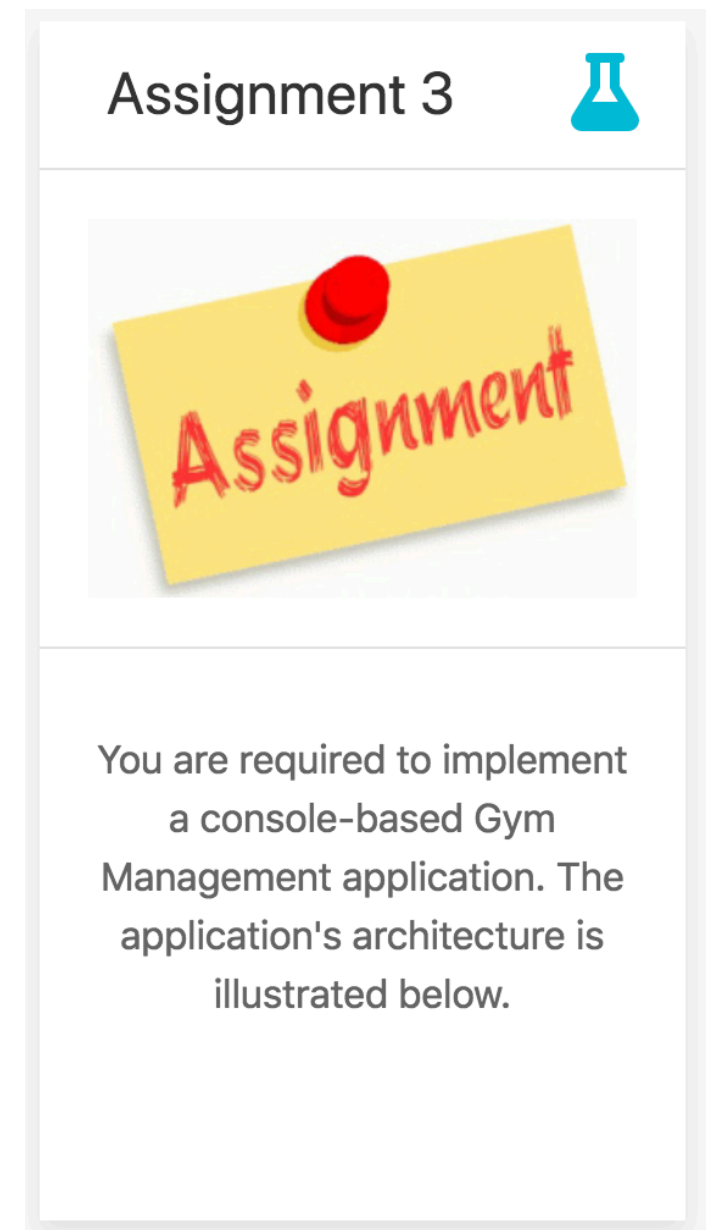
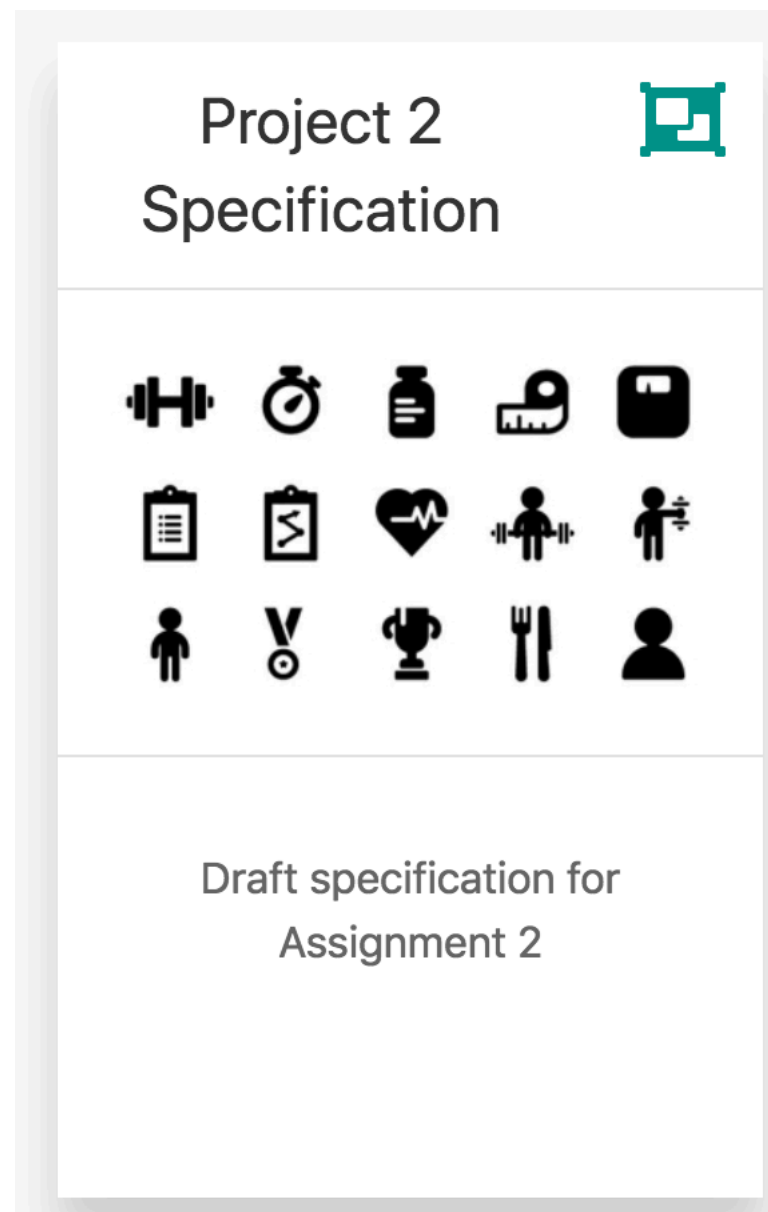
Deploy the an app to Heroku.  
This will require a heroku account + a locally installed git tool set.

# 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	Depl.	Git
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	git repo
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 + version history

# 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