

COEN161 Lab1

Labs

5 total labs, all a series to create a mini Camino-ish page. The schedule will be the following:

Lab Topic	Week Assigned	Week Due
HTML	1	3
CSS	3	5
Client Side JS	5	7
Serving Web Pages (Node.js)	7	8
Serving Data + Dynamic Fetch	8	10

Rules

- TA: Isabella Lin(flin2@scu.edu)
- Office hours: Monday 7:00pm-8:00pm via Zoom
- Join Zoom Meeting:
<https://scu.zoom.us/j/91506368104?pwd=VlFQRGZlSlpIQldwNUZUZ0cwU2Q4UT09>
- Demo is required
- Each day (including weekends) past the due date for the lab will be -5 points. You must submit your lab on Camino as well as upload it to your website.
- Masks are worn properly at all times
- No food in the lab

Deliverable

1. 3 webpages: a Home page, a Grades page, a Calendar page all uploaded to the ECC servers.
2. Your lab should be accessible at the following paths:
 1. <http://students.engr.scu.edu/~aelahi/coen-161/lab-1/index.html>
 2. <http://students.engr.scu.edu/~aelahi/coen-161/lab-1/calendar.html>
 3. <http://students.engr.scu.edu/~aelahi/coen-161/lab-1/grades.html>

webpages steps

On your own laptop:

- Connect to the VPN (if not on eduroam network)
- Open the terminal (command prompt if on windows)
- Go to the folder you want to put the file in (eg. Desktop)
- `cd folder_name`
- Remote file transfer: `sftp username@linux.dc.engr.scu.edu`
- Go to the webpage folder: `cd /webpages/username`
- Create coen-161 folder and put your file to it:
 - `mkdir coen-161`
 - `cd coen-161`
 - `mkdir lab-1`
 - `cd lab-1`
 - put file name(eg.index.html)
 - Quit
- Change protection of the file: `chmod 0644 username.html`
- Change protection of the folder: `chmod 755 foldername(eg.coen-161)`
- View the page and demo:

<http://students.engr.scu.edu/~aelahi/coen-161/lab-1/grades.html>

On the ECC machine:

Three steps:

1. Create destination directory on the /webpages/username
 - a. `cd /webpages/username`
 - b. `mkdir coen-161`
 - c. `cd coen-161`
 - d. `mkdir lab-1`
2. Copy the files from local directory to the /webpages/username/coen-161/lab-1
 - a. You should move to the directory where you put the files
 - b. `cp filename /webpages/username/coen-161/lab-1`
3. Change mode for files and folders on webpages/username
 - a. `chmod 755 foldername`
 - b. `chmod 0644 filename`

index.html - the home page (30 points)

1. The first part is mainly used for navigation
 1. There's a heading - Camini (like mini Camino)
 2. There's a list of links to click. Each of these links must link to a page:
 1. home -> index.html
 2. grades -> grades.html
 3. calendar -> calendar.html
2. The second part--The main content for this page
 1. There's a heading for this section which says Course Dashboard
 2. There's a little announcement section
 3. There's three charts (sort of like images).
 1. Don't worry about putting actual charts, just put the corresponding HTML elements with the text Chart 1, Chart 2, and Chart 3.

example

Camini

[Home](#)

[Grades](#)

[Calendar](#)

Course Dashboard

No office hours on the week of 11/9.



Chart 1



Chart 2



Chart 3

grades.html (30 Points)

1. The first part of this page is the exact same as index.html
2. The second part of this page has the main content.
 1. There's a heading that says grades
 2. There's a table of data.
 1. The headings (in order) say Assignment, Category, Date Due, and Grade.
 1. The Assignment heading is a search input (don't worry about the magnifying glass)
 3. Each row in the body of the table corresponds to one of the headings
3. Make sure to fill in the columns with data.

example

Camini

[Home](#)
[Grades](#)
[Calendar](#)

Grades

Assignment	Category	Date Due	Grade
History and HTML	quiz	10/30/2022	86
CSS	quiz	11/5/2022	37
JavaScript	quiz	9/20/2022	86
HTTP	quiz	10/23/2022	91
Servers	quiz	12/7/2022	46
HTML	lab	9/27/2022	76
CSS	lab	12/7/2022	55
JavaScript	lab	10/29/2022	78
Servers	lab	10/13/2022	93
Forms	lab	9/20/2022	95
HTML 1	practice	9/21/2022	40
HTML 2	practice	12/7/2022	70
CSS 1	practice	9/21/2022	40
CSS 2	practice	12/7/2022	40
JS 1	practice	11/3/2022	40
JS 2	practice	9/24/2022	80
JS 3	practice	9/28/2022	40
JS 4	practice	11/26/2022	30
DB 1	practice	12/7/2022	60
DB 2	practice	9/19/2022	50
Node.js 1	practice	10/13/2022	50
Node.js 2	practice	10/26/2022	80
A	theory	12/7/2022	80
B	theory	10/10/2022	40
C	theory	11/10/2022	50
D	theory	11/21/2022	40
E	theory	12/7/2022	30
F	theory	10/7/2022	90
G	theory	9/27/2022	30
H	theory	12/7/2022	90
I	theory	12/7/2022	50
J	theory	11/5/2022	50

calendar.html (30 Points)

1. The first part of this page is the exact same as index.html
2. The second part of this page has the main content.
 1. There's a heading which says Class Calendar.
 2. The next element on the page is a group of radio buttons, each corresponding to one month in the class.
 3. After that, there's a calendar from Sunday to Saturday.
 4. The last element on the page is a legend for the calendar.
3. Don't worry about switching the calendar based on the month selected, just fill something in for each day.

example

Camini

[Home](#)

[Grades](#)

[Calendar](#)

☐ September ☐ October ☐ November ☐ December
Class Calendar

SUN MON TUE WED THU FRI SAT

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Legend

- 1 Quiz
- 10 Lab
- 11 Homework
- 20 Office Hours

Example

Camini

[Home](#)

[Grades](#)

[Calendar](#)

☒ September ☐ October ☐ November ☐ December

Class Calendar

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Legend

- 1 Quiz
- 10 Lab
- 11 Homework
- 20 Office Hours

If you need help with HTML this site is a great resource:
<https://www.w3schools.com/>