

CMPS 356 Web Development Fundamentals

Lab 4 – CSS Fundamentals – Part 2

Objective

By the end of the lab you should be able to use:

CSS grid, flexbox and media queries to develop responsive web page layouts

Font Awesome to create icons

First sync your cmps356 repository using **GitHub Desktop** Client. Create two subfolders named **Lab4-CSS-Tutorial** and **Lab4-QuBook** inside the local working folder of your repository. At the end of the Lab, complete the testing document then sync your repo to push your work to GitHub.

Part A - Page Layout Tutorial using Grid and Flexbox

1. Get the **Lab4-CSS** repo from <https://github.com/cmps356s20/Lab> repo and copy it to your private repository
2. Open the **Lab4-CSS-Tutorial** folder available under the **Lab4-CSS** in **WebStorm**. The project has two HTML pages: **index.html** and **registration.html**.
3. Complete the following four exercises to practice page layout using grid and flexbox.

Exercise 1 – Page Layout using CSS Grid

- First review the Grid basic concepts using the lecture slides. More grid properties are available at <http://grid.malven.co> and <https://css-tricks.com/snippets/css/complete-guidegrid/>
Then visit this https://www.w3schools.com/css/css_grid.asp and go through the tutorials to understand how the grid works.
- Create the following layouts using the grid. You should use the index.html provided in the lab folder.

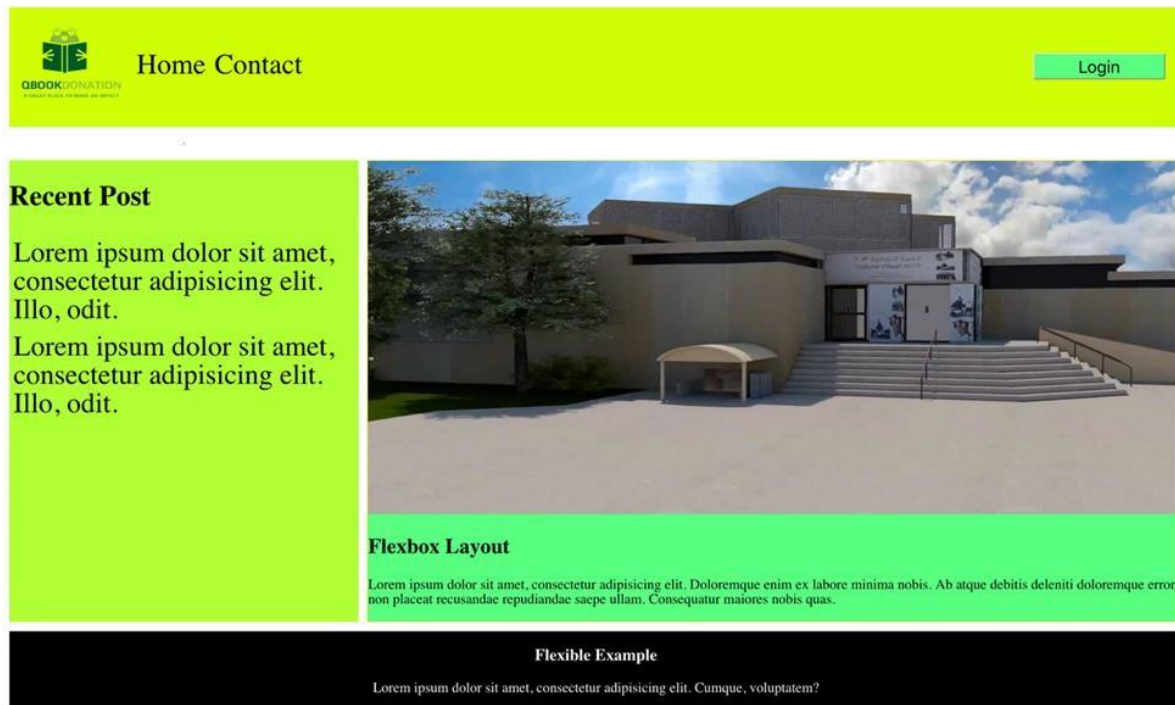
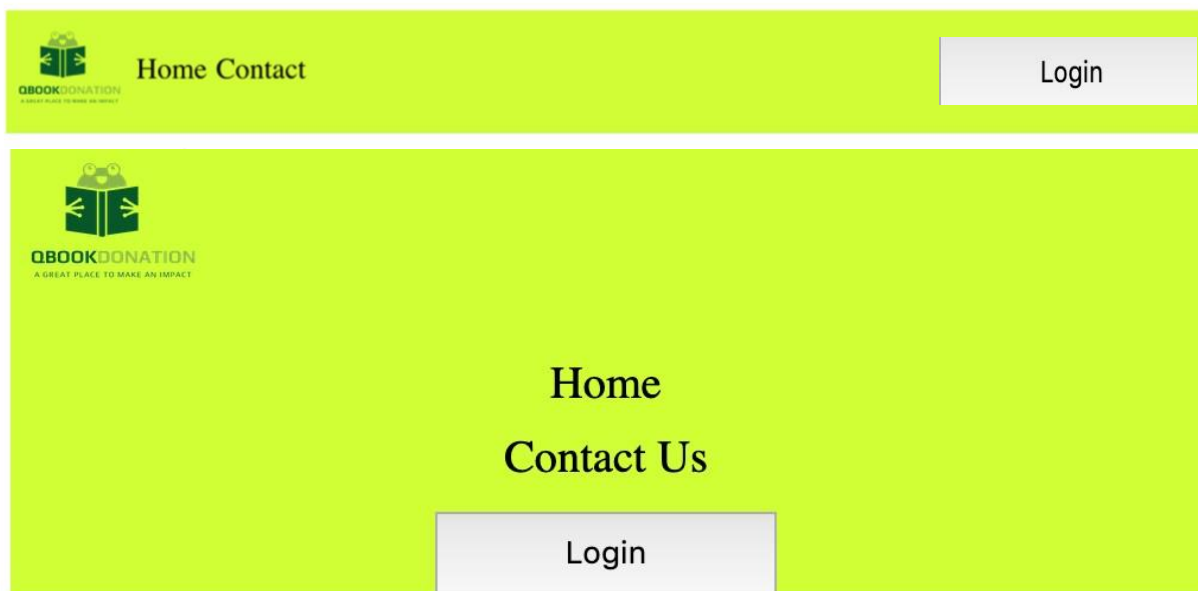


Figure 1 : Layout Design using CSS Grid

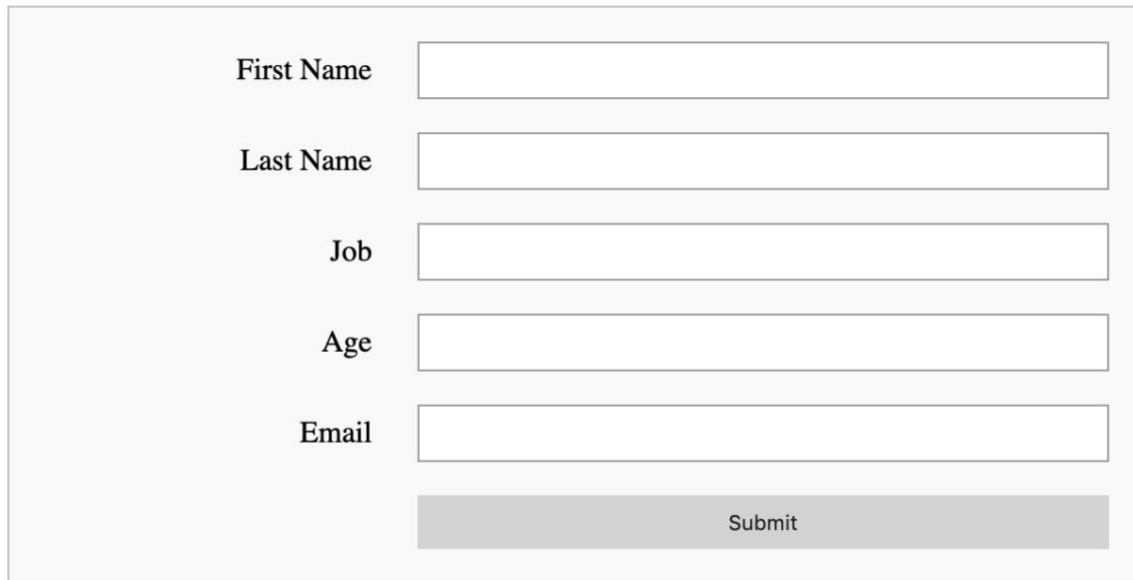
Exercise 2 - Navigation using Flexbox

Create the navigation layout using flexbox and make it responsive.



Exercise 3 – Form Layout using a Grid

Create the following form using grid.



First Name

Last Name

Job

Age

Email

Submit

Exercise 4 – Social Media Icons using Font Awesome

Add the following icons to the footer of the **index.html** page

FOLLOW ME ON SOCIAL MEDIA



- First add the font awesome CDN to your web-page

```
<link rel="stylesheet"
href="https://use.fontawesome.com/releases
/v5.7.0/css/all.css">
```

- Search the desired icons at <https://fontawesome.com/icons>

PART B - Practice

Design the following page using grid and flexbox.

