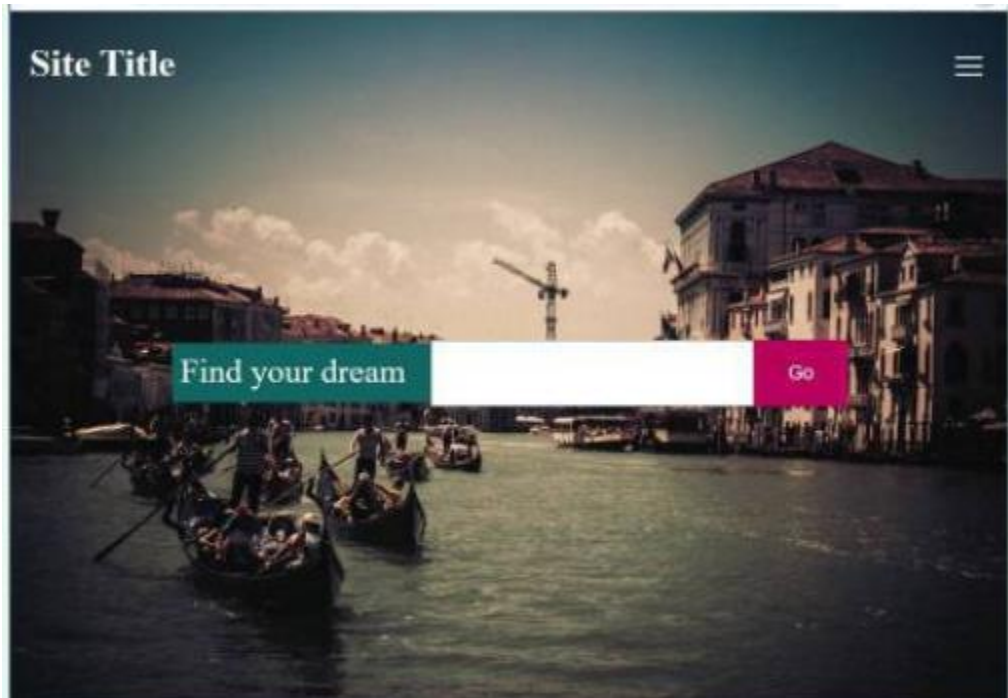


1. Modify CSSlab5-test01.html by adding CSS in CSSLab5-test01.css to implement the layout shown in Figure below (some of the styling as already been provided) : 12 points

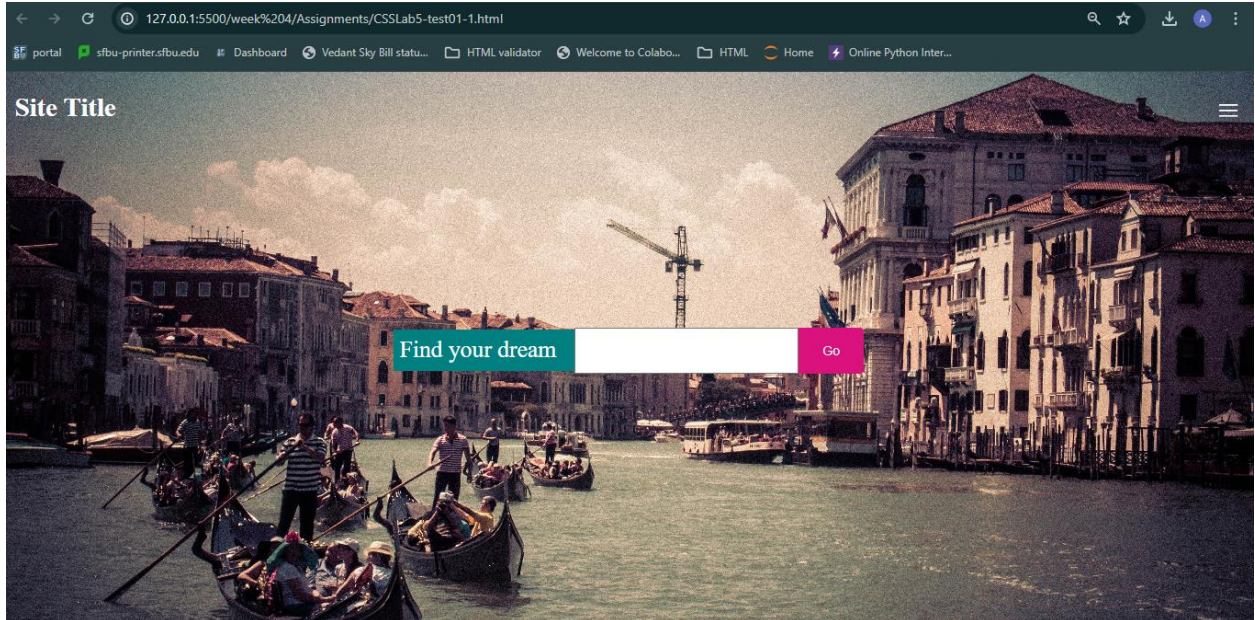


1. Set the background image on the `<body>` tag. Set the height to `100vh` so it will always fill the entire viewport. Set the `background-cover` and `background-position` properties
2. For the header, set its display to flex. Set `justify-content` to `space-between` and `align-items` to `center`. This will make the `<h2>` and the `<nav>` elements sit on the same line, but will expand to be aligned with the outside edges.
3. To center the form in the middle of the viewport, set the display of the `<main>` element to flex, and `align-items` and `justify-content` to `center`. Do the same for the `<form>` element.
4. Fine-tune the size of the form elements by setting the flex-basis of label to `16em`, the search box to `36em`, and the submit button to `10em`. The final result should look similar to that shown in Figure above.

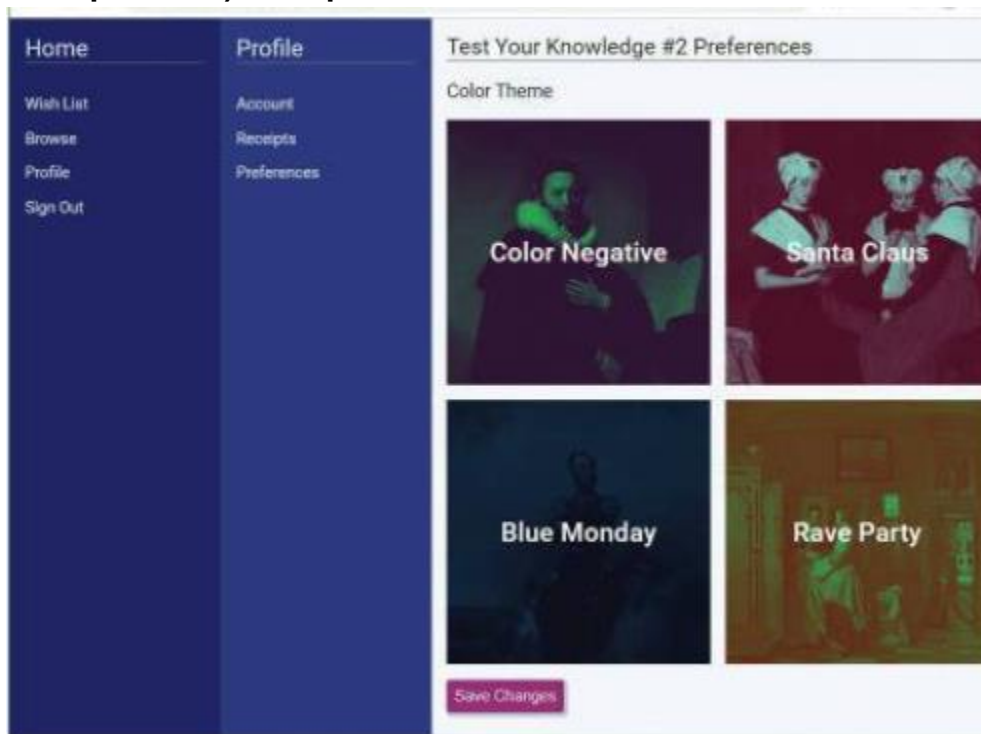
## Modified code:

```
# CSSlab5-test01-1.css ...\Assignments X # CSSlab5-test01-1.css C:\...\Downloads
week 4 > Assignments > # CSSlab5-test01-1.css > input[type="submit"]
41 input[type="submit"] {
46     border-bottom-right-radius: 5px;
47 }
48
49 /* add your styles below */
50
51 /* the filename for the background image is images/P6120375.jpg */
52 body{
53     background-image: url(P6120375.jpg);
54     height: 100vh;
55     background-size: cover;
56     background-repeat: no-repeat;
57     background-attachment: fixed;
58     background-position: center;
59 }
60
61 header {
62     display: flex;
63     justify-content: space-between;
64     align-items: center;
65 }
66
67 main {
68     display: flex;
69     align-items: center;
70     justify-content: center;
71 }
72
73 main form {
74     display: flex;
75     align-items: center;
76     justify-content: center;
77 }
78
79 main label {
80     flex-basis: 16em;
81 }
82
83 main input{
84     flex-basis: 36em;
85 }
86
87 input[type="submit"] {
88     flex-basis: 10em;
89 }
90
```

## Output:



2. Modify CSSlab5-test02.html by adding CSS in CSSlab5-test02.css to implement the lay-out shown in Figure below (some of the styling as already been provided): 9 points



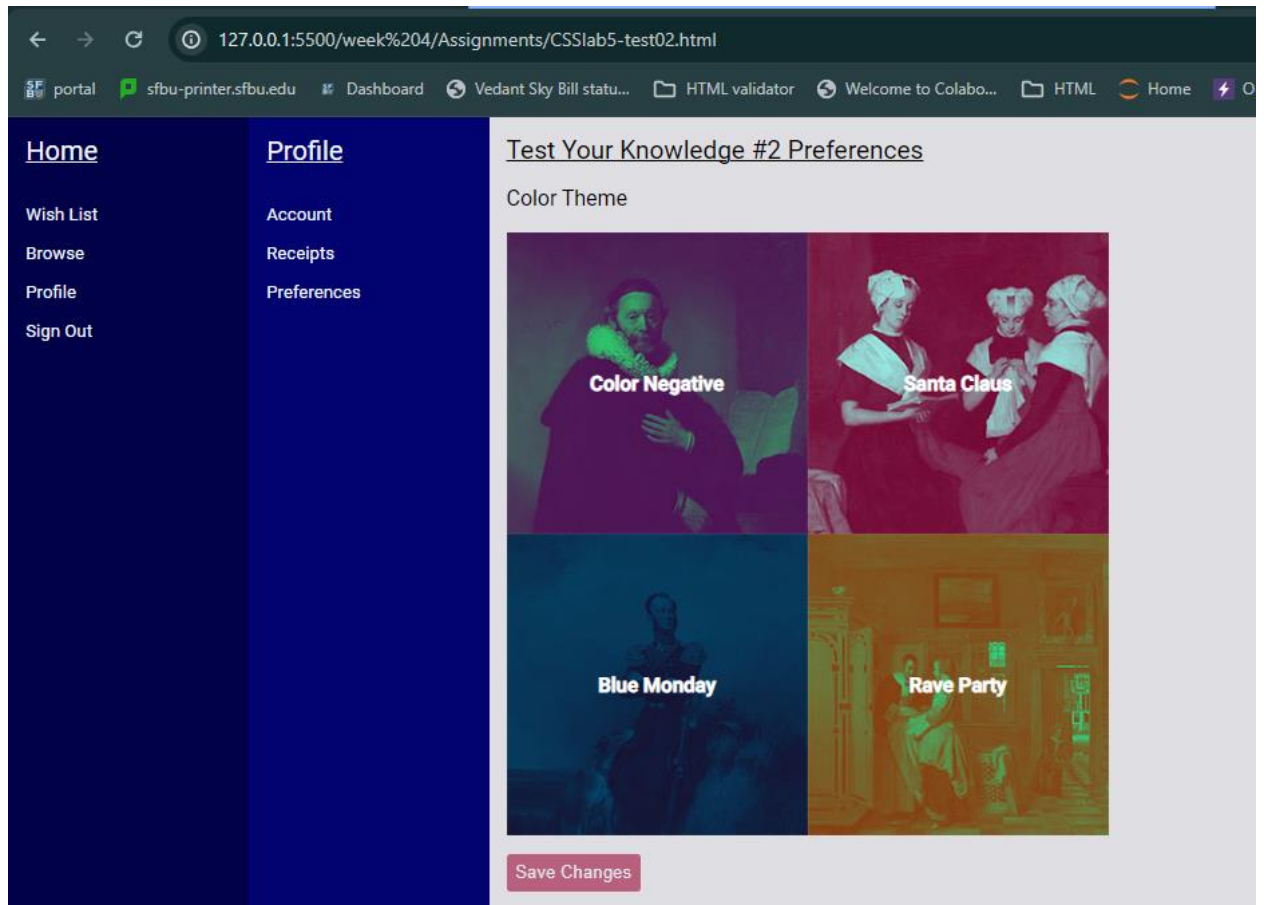
1. This layout will require two nested grids. Create the outer grid that will have one row and three columns containing the <nav>, <aside>, and <main> elements. There should be no grid gap, and the first two columns should have a minimum size of 80px and a maximum size of 200px. The third column should fill the remaining space. To make the grid fill the entire vertical space, set the height of the container to 100vh.
2. The inner grid containing the four image squares should consist of two columns and rows. The images in the background of each square are 250px by 250px.
3. To center the text within each square, use flex layout along with align-items and justify-content.

### Modified code:

```

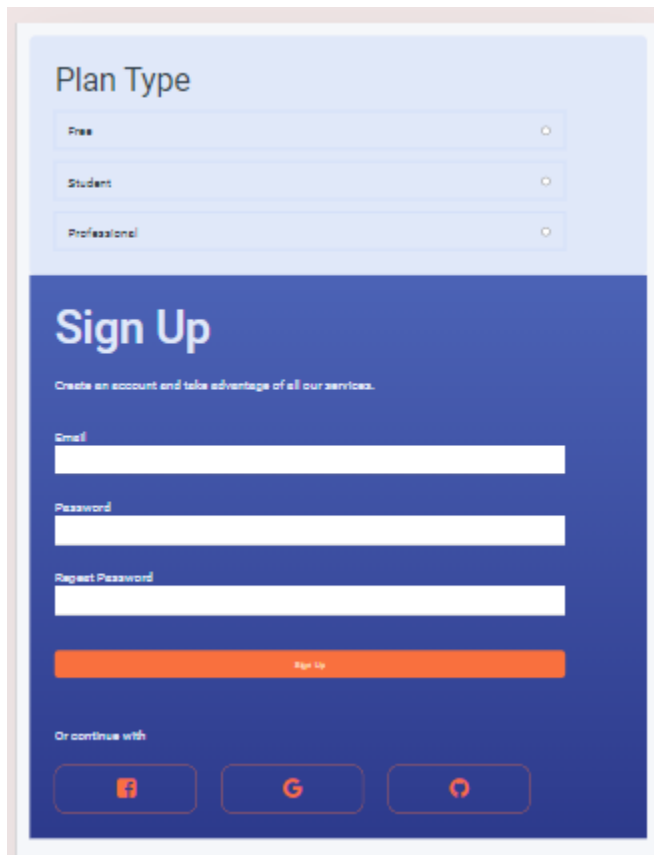
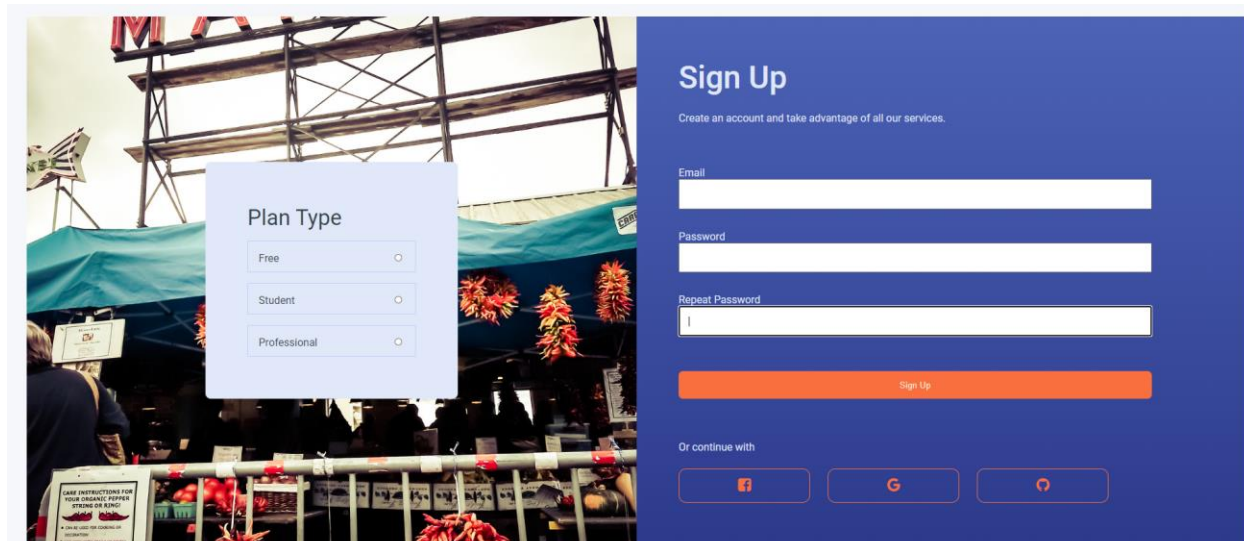
<> CSSlab5-test01-1.html  <> CSSlab5-test02.html  # CSSlab5-test02.css  <> box_sizing.html  # html { box-sizing: border-box;  ...
week 4 > Assignments > # CSSlab5-test02.css > h2
106  /* add styles here */
107  .container{
108      display: grid;
109      grid-template-columns: minmax(80px, 200px) minmax(80px, 200px) auto;
110      grid-template-rows: 100vh;
111      grid-gap: 0;
112  }
113  h2{
114      text-decoration-line: underline;
115      text-decoration-thickness: 1px;
116  }
117  nav{
118      background-color: #000080;
119  }
120  aside{
121      background-color: #000080;
122  }
123  nav, aside {
124      color: #00FFFF;
125      text-decoration-color: #000080;
126  }
127  main{
128      background-color: #000080;
129  }
130
131  .theme ul{
132      display: grid;
133      grid-template-columns: repeat(2, 250px);
134      grid-template-rows: repeat(2, 250px);
135  }
136
137  .square{
138      display: flex;
139      align-items: center;
140      justify-content: center;
141      background-size: cover;
142      background-position: center;
143      color: #FFFFFF;
144      font-weight: bold;
145      font-size: 1.2em;
146  }
147
148  .theme button{
149      display: inline-block;
150      background-color: #000080;
151      color: #00FFFF;
152  }
```

## Output:





3. Modify CSSlab5-test03.html by adding CSS in CSSlab5-test03.css to implement the layout shown in Figure below(some of the styling as already been provided) : 9 points



1. You have been provided with a signup form layout that looks similar to the top screen in Figure . It uses a two-column grid layout (and flex within the grid cells). You need to add a media query that changes to a one-column grid when the browser width is below 1000 pixels. The second screen in Figure illustrates how it should appear at the smaller browser widths.
2. Your media query will have to change the margin and grid-template-columns properties of the container class. The formImage class will also need to be modified in the media query so that it no longer has a background image and instead has a background-color.
3. It is quite common to increase the font size for smaller layouts. This can result in a lot of changes, but because the CSS uses variables, you only need to change the --base-font-size variable to 120% in your media query and all the other font sizes will also change. You will also need to change a few paddings and margins also (because of the use of CSS variables you should be able to simply make use of the --space-med and --spacing-small variables for those changes)

### **Modified code:**

```
# CSSlab5-test03.css x layoutDemo.html # CSSlab5-test01-1.css
week 4 > Assignments > # CSSlab5-test03.css > .container

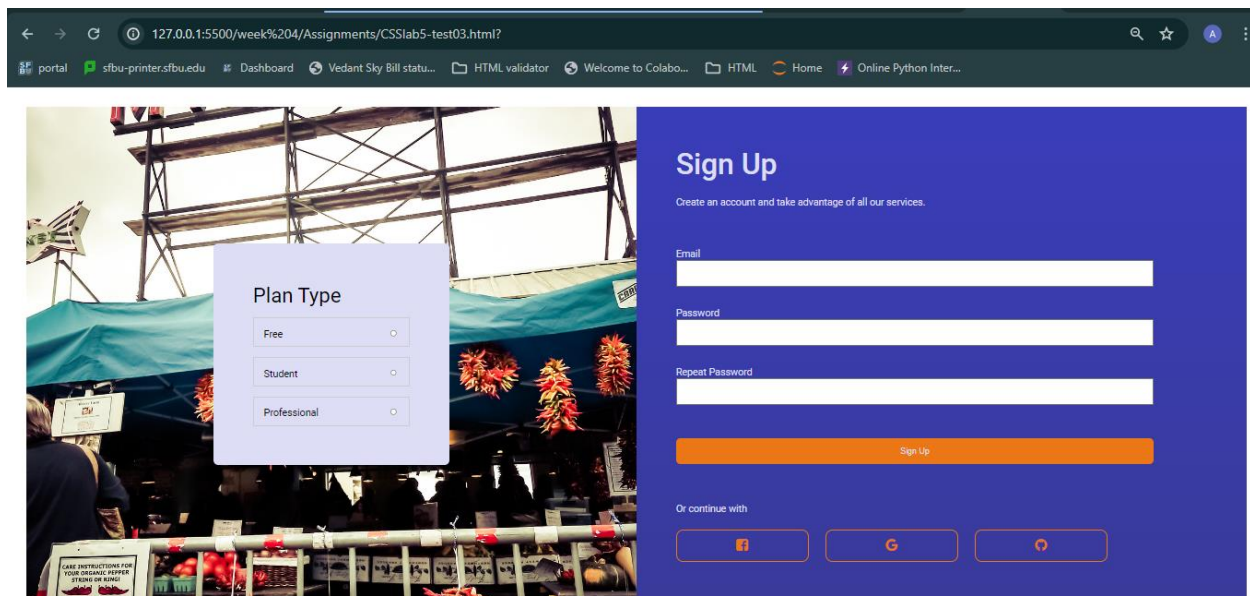
1  :root {
2      --base-font-size: 100%;
3
4      /* use a 1.2 type scale */
5      --font-size-1: 1em;
6      --font-size-2: calc( var(--base-font-size) * 1.2);
7      --font-size-3: calc( var(--font-size-2) * 1.2);
8      --font-size-4: calc( var(--font-size-3) * 1.2);
9      --font-size-5: calc( var(--font-size-4) * 1.2);
10     --font-size-6: calc( var(--font-size-5) * 1.2);
11     --font-size-7: calc( var(--font-size-6) * 1.2);
12
13     --color-primary-1-500: rgb(57, 61, 185);
14     --color-primary-1-800: rgb(69, 69, 188);
15     --color-primary-1-100: rgb(206, 204, 204);
16     --color-primary-1-050: rgb(221, 222, 246);
17     --color-primary-2-400: rgb(236, 119, 23);
18     --spacing-extra-large: 8em;
19     --spacing-large: 4em;
20     --spacing-med: 2em;
21     --spacing-small: 1em;
22     --spacing-very-small: 0.5em;
23 }
```

```

144
145 /* add your media query here */
146 .container {
147     display: grid;
148     grid-template-columns: repeat(2, 1fr); /* Two-column grid */
149     margin: var(--spacing-med); /* Adjust margin */
150 }
151
152 .planType {
153     padding: var(--spacing-large);
154     background-color: var(--color-primary-1-050);
155     border: 0;
156     border-radius: var(--spacing-very-small);
157     width: 24em;
158 }
159
160
161 /* Media query for smaller screens */
162 @media (max-width: 1000px) {
163     .container {
164         grid-template-columns: 1fr; /* One-column grid */
165         margin: var(--spacing-small); /* Adjust margin */
166     }
167     .planType{
168         width: 100%;
169     }
170     .planType .option{
171         width: 41em;
172     }
173     .formImage{
174         background: none;
175     }
176 }
177 }
178

```

## Output:





### Plan Type

Free

Student

Professional

## Sign Up

Create an account and take advantage of all our services.


Email


Password


Repeat Password

Sign Up

Or continue with







Instructions for submission :

1. Submit the screenshots of the modified code from each question  
Note that absence of the screenshots will knock out 50% of the grade for the particular question irrespective of the code file.
2. Submit the html ,css files of all the questions - 2 points

Grading Rubric :

Criteria	Points
Task 1: CSSlab5-test01.html and CSSlab5-test01.css	

Criteria	Points
1. Background image on <body> tag	2
2. Header styling with display flex, justify-content, align-items	3
3. Centering form using flex and align-items, justify-content	3
4. Fine-tuning form element sizes	4
Total	12
Task 2: CSSlab5-test02.html and CSSlab5-test02.css	
1. Outer grid layout with specified column sizes and height	3
2. Inner grid layout with specified rows and columns	3
3. Centering text within image squares	3
Total	9
Task 3: CSSlab5-test03.html and CSSlab5-test03.css	
1. Media query for one-column grid below 1000 pixels	3
2. Adjustments to margin, grid-template-columns, and background color in media query	3
3. Font size adjustments and changes in paddings/margins	3
Total	9