



SIT774

Web Technologies and Development

Learning Summary Report

Yiyang Hou
220570074

Self-Assessment Details

The following checklists provide an overview of my self-assessment for this unit.

	Pass (D)	Credit (C)	Distinction (B)	High Distinction (A)
Self-Assessment				✓

Self-Assessment Statement

Declaration

I declare that this portfolio is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **Yiyang Hou**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for SIT774 Web Technologies and Development to a **High Distinction** level.

In the course of learning this unit, I start with learning the basic ideas of how the Internet works and some fundamental background knowledge. Later on, I started learning about how to construct HTML documents and create a client-side web page. Then I learnt about CSS and how to use the tools like Bootstrap to style the web pages. I also learnt to code with Javascript and how servers work, these broaden my knowledge and brush up my skills on how to make more responsive and dynamic web applications. After all the learning and practice, I feel confident about applying the concepts and skills to a real-world application, I have achieved the foundation to build my career upon in the industry. During learning this unit, every time I learnt something new, I can apply it and make my web page looks more professional and closer to the web pages that I browse out there on the Internet. The greatest challenge is that, as a web developer, there are so many options and tools to choose from, from technology aspects to aesthetics aspects. I need to learn from my own mistakes and the real-world conventions to make the right choice.

In the completion of all the tasks, I have demonstrated the thorough understanding of the covered concepts and theories, as well as the practical application of these ideas.

I have successfully finished the tasks that relate to the unit learning outcomes of Client-side Application Design and Development, as well as Option Identification and Application Deployment through creating static web pages by using HTML, Bootstrap and Javascript. The unit learning outcomes of Explain Web Technologies and Web Service Design and Implementation were demonstrated through the completion of tasks that relate to coding with Javascript and Node.js. The unit learning outcome of Achieved Outcome Justification was demonstrated to be met through comparing the outcomes of the tasks and their initial design plans.

I believe by demonstrating the alignment to all the unit learning outcomes, I should have reached the level of High Distinction.

Reflections

The most important things I learnt:

I have learnt about the web technologies in general, how to create stylish web pages with HTML, CSS, Bootstrap and Javascript, how to work with the server with Javascript and Node.js to create dynamic web applications. The content offered in this unit was very broad and abundant, I believe all the points are essential. I have learnt more than I expected before the start.

I feel I learnt these topics, concepts, and/or tools really well:

I feel confident about creating professional looking web pages now, since I have been doing plenty of practice and I have improved my ability to find and read documentations in case I need to apply some new techniques.

I found the following topics particularly challenging:

The concepts of how to work with the server was challenging for me. As this is a brand-new topic for me, it took me some time to learn about the concepts and to practice the programming part. With enough amount of practice, I'm feeling quite confident about this part now. I felt I was not good at reading the documentations and materials while learning and researching about new concepts, my reading was not efficient. However, it did start to get better with more and more practice.

I found the following topics particularly interesting:

In fact, every topic covered and all the tasks in this unit are interesting to me. Since we all spend a long time on different web sites everyday, I appreciate everything I learnt from this unit. They are not only useful, but also fulfill my curiosity about the technologies.

I still need to work on the following areas:

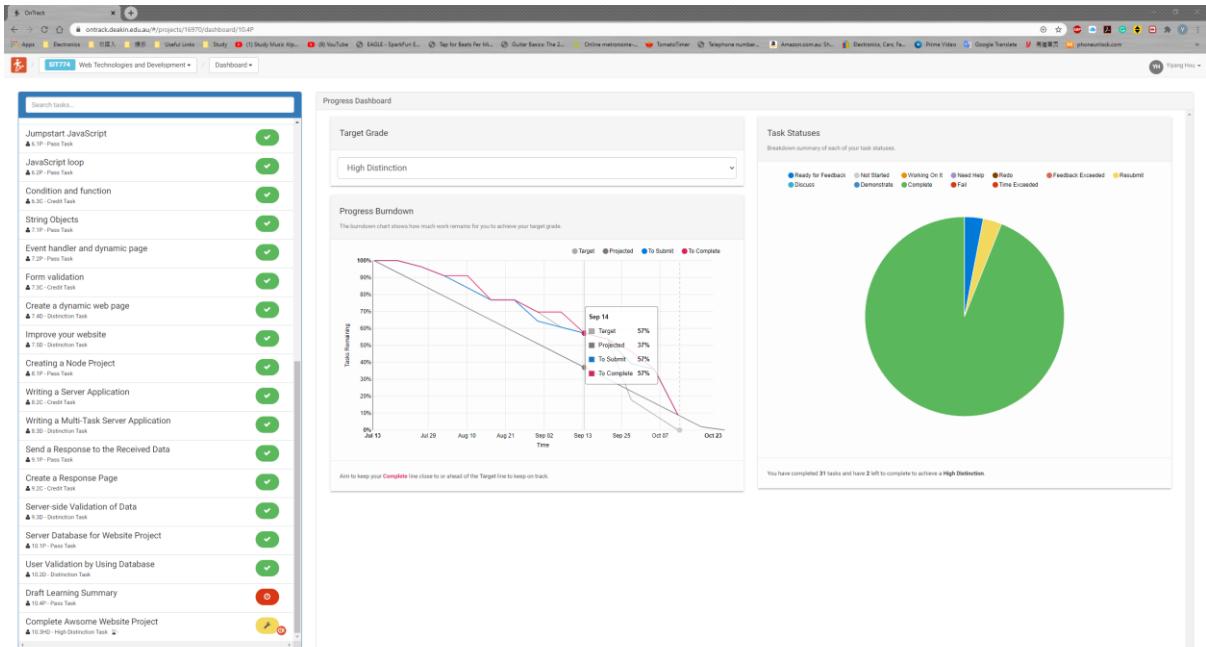
My plan for the next step will be to practice more. I will start work on some interesting project on my own with my free time and try to explore deeper with the knowledge I gained in this unit. I believe my skills will be brushed up and I will be more proficient in the web technologies.

The things that helped me most were:

The most helpful resources include: the cloud Deakin content, W3schools tutorials and various documentations online. The cloud Deakin content helps me with consolidating the contents covered in the lectures, W3schools tutorials and other documentations helped me everytime I stuck with something specific while doing tasks.

My progress in this unit was ...:

During the unit, I tried to complete all the pass tasks at first and work my way up towards higher grades. The graph indicates that I started to complete the higher grade tasks towards the end of the trimester.



If I did this unit again, I would do the following things differently:

During the unit, I tend to study and work on my own, I only do the research on my own to work out the issues that I faced at the time. I should have tried to reach out to the tutor and fellow students more, that is not only an efficient way to tackle problems, but also a great way to learn about different perspective of thinking. I will try to apply that to my studies in the future.

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

YIYANG HOU

Portfolio Submission

Submitted By:

Yiyang HOU
houyiy

Tutor:

Michael HOBBS

October 12, 2020



Contents

1 Learning Summary Report	1
2 Overall Task Status	2
3 Learning Outcomes	3
3.1 Explain Web Technologies	3
3.2 Client-side Application Design and Development	4
3.3 Web Service Design and Implementation	5
3.4 Option Identification and Application Deployment	6
3.5 Achieved Outcome Justification	6
4 Structure a HTML tree	7
5 Serve your own web page	10
6 Add images and hyperlinks into a web page	15
7 Create tables in your web pages	20
8 Create, validate and publish a structural web page	25
9 Create a web page with inline styles	36
10 Create a web page with internal and external styles	43
11 CSS for background image pseudo-class and table	53
12 Two-column layout web page	63
13 Create a Web Page with Bootstrap (I)	74
14 Create a Web Page with Bootstrap (II)	80
15 Create a Web Page with Bootstrap (III)	86
16 Create a form web page	95
17 Create a form web page from requirements	104
18 Website project specification, design and draft pages	121
19 Jumpstart JavaScript	165
20 JavaScript loop	170
21 Condition and function	175
22 String Objects	181
23 Event handler and dynamic page	189
24 Form validation	197
25 Create a dynamic web page	207
26 Improve your website	217

27 Creating a Node Project	237
28 Writing a Server Application	244
29 Writing a Multi-Task Server Application	249
30 Send a Response to the Received Data	258
31 Create a Response Page	263
32 Server-side Validation of Data	270
33 Server Database for Website Project	278
34 User Validation by Using Database	287
35 Complete Awsome Website Project	296
36 Draft Learning Summary	360

2 Overall Task Status

Task	Status	Times Assessed
Structure a HTML tree	Complete	1
Serve your own web page	Complete	1
Add images and hyperlinks into a web page	Complete	1
Create tables in your web pages	Complete	1
Create, validate and publish a structural web page	Complete	1
Create a web page with inline styles	Complete	1
Create a web page with internal and external styles	Complete	1
CSS for background image pseudo-class and table	Complete	1
Two-column layout web page	Complete	2
Create a Web Page with Bootstrap (I)	Complete	1
Create a Web Page with Bootstrap (II)	Complete	1
Create a Web Page with Bootstrap (III)	Complete	1
Create a form web page	Complete	1
Create a form web page from requirements	Complete	1
Website project specification, design and draft pages	Complete	1
Jumpstart JavaScript	Complete	1
JavaScript loop	Complete	1
Condition and function	Complete	2
String Objects	Complete	1
Event handler and dynamic page	Complete	1
Form validation	Complete	2
Create a dynamic web page	Complete	1
Improve your website	Complete	1
Creating a Node Project	Complete	1
Writing a Server Application	Complete	1
Writing a Multi-Task Server Application	Complete	1
Send a Response to the Received Data	Complete	1
Create a Response Page	Complete	1
Server-side Validation of Data	Complete	1
Server Database for Website Project	Complete	1
User Validation by Using Database	Complete	1
Complete Awsome Website Project	Fix and Resubmit	1
Draft Learning Summary	Time Exceeded	1

3 Learning Outcomes

3.1 Explain Web Technologies

Explain the relevance, purpose, and operation of technologies which underpin web applications.

Task	Rating	Status	Times Assessed
Structure a HTML tree	♦♦◊◊◊	Complete	1
Serve your own web page	♦♦♦♦♦	Complete	1
Create, validate and publish a structural web page	♦♦♦♦♦	Complete	1
Jumpstart JavaScript	♦♦♦◊◊	Complete	1
JavaScript loop	♦♦♦◊◊	Complete	1
Condition and function	♦♦◊◊◊	Complete	2
String Objects	♦♦◊◊◊	Complete	1
Event handler and dynamic page	♦♦◊◊◊	Complete	1
Form validation	♦♦◊◊◊	Complete	2
Creating a Node Project	♦♦♦♦◊	Complete	1
Writing a Server Application	♦♦♦♦◊	Complete	1
Writing a Multi-Task Server Application	♦♦♦♦◊	Complete	1
Send a Response to the Received Data	♦♦♦♦◊	Complete	1
Create a Response Page	♦♦♦♦◊	Complete	1
Server-side Validation of Data	♦♦♦♦◊	Complete	1
Server Database for Website Project	♦♦♦♦◊	Complete	1
User Validation by Using Database	♦♦♦♦◊	Complete	1
Complete Awsome Website Project	♦♦♦♦◊	Fix and Resubmit	1
Draft Learning Summary	♦♦♦♦◊	Time Exceeded	1

3.2 Client-side Application Design and Development

Design and develop client side components of a web-based application using contemporary tools, languages and frameworks.

Task	Rating	Status	Times Assessed
Structure a HTML tree	◆◆◆◆◆	Complete	1
Serve your own web page	◆◆◇◇◇	Complete	1
Add images and hyperlinks into a web page	◆◆◆◆◆	Complete	1
Create tables in your web pages	◆◆◆◆◆	Complete	1
Create, validate and publish a structural web page	◆◆◆◆◆	Complete	1
Create a web page with inline styles	◆◆◆◆◆	Complete	1
Create a web page with internal and external styles	◆◆◆◆◆	Complete	1
CSS for background image pseudo-class and table	◆◆◆◆◆	Complete	1
Two-column layout web page	◆◆◆◆◆	Complete	2
Create a Web Page with Bootstrap (I)	◆◆◆◆◆	Complete	1
Create a Web Page with Bootstrap (II)	◆◆◇◇◇	Complete	1
Create a Web Page with Bootstrap (III)	◆◆◆◆◆	Complete	1
Create a form web page	◆◆◆◆◆	Complete	1
Create a form web page from requirements	◆◆◆◆◆	Complete	1
Website project specification, design and draft pages	◆◆◆◆◆	Complete	1
Jumpstart JavaScript	◆◆◆◆◆	Complete	1
JavaScript loop	◆◆◆◆◆	Complete	1
Condition and function	◆◆◆◆◆	Complete	2
String Objects	◆◆◆◆◆	Complete	1
Event handler and dynamic page	◆◆◆◆◆	Complete	1
Form validation	◆◆◆◆◆	Complete	2
Create a dynamic web page	◆◆◆◆◆	Complete	1
Send a Response to the Received Data	◆◆◆◇◇	Complete	1
Create a Response Page	◆◆◆◇◇	Complete	1
Server-side Validation of Data	◆◆◆◇◇	Complete	1
Server Database for Website Project	◆◆◆◇◇	Complete	1
User Validation by Using Database	◆◆◆◆◆	Complete	1
Complete Awsome Website Project	◆◆◆◆◆	Fix and Resubmit	1
Draft Learning Summary	◆◆◆◆◆	Time Exceeded	1
Improve your website	◆◆◆◆◆	Complete	1

3.3 Web Service Design and Implementation

Design and implement RESTful webservices using contemporary tools,language and frameworks.

Task	Rating	Status	Times Assessed
Serve your own web page	♦♦♦◊◊	Complete	1
Create, validate and publish a structural web page	♦♦♦◊◊	Complete	1
Create a Web Page with Bootstrap (III)	♦♦♦♦♦	Complete	1
Create a form web page	♦♦◊◊◊	Complete	1
Create a form web page from requirements	♦♦◊◊◊	Complete	1
Website project specification, design and draft pages	♦♦◊◊◊	Complete	1
Create a dynamic web page	♦♦◊◊◊	Complete	1
Creating a Node Project	♦♦♦♦♦	Complete	1
Writing a Server Application	♦♦♦♦♦	Complete	1
Writing a Multi-Task Server Application	♦♦♦♦♦	Complete	1
Send a Response to the Received Data	♦♦♦♦♦	Complete	1
Create a Response Page	♦♦♦♦♦	Complete	1
Server-side Validation of Data	♦♦♦♦♦	Complete	1
Server Database for Website Project	♦♦♦♦♦	Complete	1
User Validation by Using Database	♦♦♦♦♦	Complete	1
Complete Awsome Website Project	♦♦♦♦♦	Fix and Resubmit	1
Draft Learning Summary	♦♦♦♦♦	Time Exceeded	1

3.4 Option Identification and Application Deployment

Identify options for, and deploy webapplications to suitable productionenvironments.

Task	Rating	Status	Times Assessed
Create a web page with inline styles	♦♦◊◊◊	Complete	1
Create a web page with internal and external styles	♦♦◊◊◊	Complete	1
CSS for background image pseudo-class and table	♦♦◊◊◊	Complete	1
Two-column layout web page	♦♦◊◊◊	Complete	2
Create a Web Page with Bootstrap (I)	♦♦◊◊◊	Complete	1
Website project specification, design and draft pages	♦♦♦♦♦	Complete	1
Create a dynamic web page	♦♦♦♦◊	Complete	1
Server-side Validation of Data	♦♦♦♦♦	Complete	1
Complete Awsome Website Project	♦♦♦♦◊	Fix and Resubmit	1
Draft Learning Summary	♦♦♦♦♦	Time Exceeded	1
Improve your website	♦♦♦♦♦	Complete	1

3.5 Achieved Outcome Justification

Justify achieved outcomes throughproviding relevant evidence andcritiquing the quality of that evi-denceagainst given criteria.

Task	Rating	Status	Times Assessed
Create a Web Page with Bootstrap (III)	♦♦♦◊◊	Complete	1
Website project specification, design and draft pages	♦♦♦♦♦	Complete	1
Create a dynamic web page	♦♦♦♦♦	Complete	1
Server-side Validation of Data	♦♦♦♦♦	Complete	1
Draft Learning Summary	♦♦♦♦♦	Time Exceeded	1
Improve your website	♦♦♦♦♦	Complete	1

4 Structure a HTML tree

Sketch out the structure of a HTML tree

Outcome	Weight
Explain Web Technologies	♦♦◊◊◊

This task demonstrates the structure of HTML tree which helps to explain the web application to an extend. This task is the best example of using a contemporary language to develop client side components of a web-based application.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the structure of HTML tree which helps to explain the web application to an extend. This task is the best example of using a contemporary language to develop client side components of a web-based application.

Date	Author	Comment
2020/07/23 21:20	Yiyang Hou	Working On It
2020/07/24 15:38	Yiyang Hou	Ready to Mark
2020/07/27 10:11	Michael Hobbs	Thanks Yiyang! You have visualised the structure of the document well. Cheers,
2020/07/27 10:11	Michael Hobbs	Mick
2020/07/27 10:11	Michael Hobbs	Complete

Structure a HTML tree

Submitted By:

Yiyang HOU
houyiy
2020/07/24 15:38

Tutor:

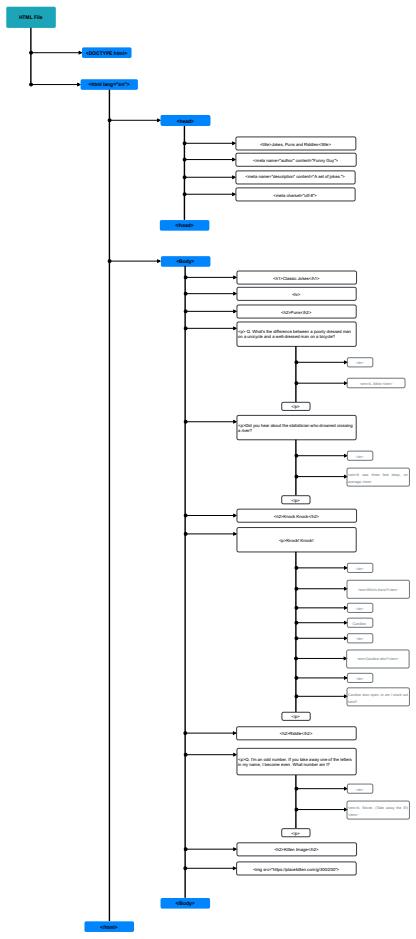
Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦◊◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the structure of HTML tree which helps to explain the web application to an extend. This task is the best example of using a contemporary language to develop client side components of a web-based application.

July 24, 2020





5 Serve your own web page

Use Node server to serve a web page

Outcome	Weight
Explain Web Technologies	◆◆◆◆◆

This task is related to client-side application development, also is a good example of web service design and implementation. This task is perfectly aligned with the learning outcome of explaining web technologies.

Outcome	Weight
Client-side Application Design and Development	◆◆◇◇◇

This task is related to client-side application development, also is a good example of web service design and implementation. This task is perfectly aligned with the learning outcome of explaining web technologies.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◇◇

This task is related to client-side application development, also is a good example of web service design and implementation. This task is perfectly aligned with the learning outcome of explaining web technologies.

Date	Author	Comment
2020/07/24 20:26	Yiyang Hou	Working On It
2020/07/24 21:49	Yiyang Hou	Ready to Mark
2020/07/24 21:49	Yiyang Hou	I also have a copy of the code in PDF format, however the system does not allow me to upload a PDF file for the code, I hope it doesn't cause any issue. Thank you!
2020/07/27 10:19	Michael Hobbs	All good Yiyang!
2020/07/27 10:19	Michael Hobbs	Thanks for this.
2020/07/27 10:19	Michael Hobbs	You have used the html tags well.... Out of interest, could you see an unordered list might be good for presenting your list of units?
2020/07/27 10:19	Michael Hobbs	Complete
2020/07/27 23:42	Yiyang Hou	Thanks for the feedback, Mick! By unordered list, do you mean to shuffle up the order of the units? If that is the case, I personally think putting the units in a particular order is intuitive both for the readers and myself as the coder.
2020/07/28 09:01	Michael Hobbs	Hi Yiyang... No, I meant using the unordered list element '... '.
2020/07/28 09:02	Michael Hobbs	You are using a ' ' between each of the units... This could easily be done with html list element :)
2020/07/28 09:02	Michael Hobbs	OK, hope that helps.
2020/07/28 14:09	Yiyang Hou	:laughing:Oh, I didn't know that tag. Thank you for that. Yeah, it would make it so much easier than using .

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Serve your own web page

Submitted By:

Yiyang HOU
houyiy
2020/07/24 21:49

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦♦
Client-side Application Design and Development	♦♦◊◊◊
Web Service Design and Implementation	♦♦♦◊◊

This task is related to client-side application development, also is a good example of web service design and implementation. This task is perfectly aligned with the learning outcome of explaining web technologies.

July 24, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7     <title>Task1.2 My Information</title>
8     <meta name="author" content="Yiyang Hou">
9     <meta name="description" content="My Personal Information">
10    <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15     <!-- This is my name-->
16     <h1>Yiyang Hou</h1>
17     <!-- This is my contact details-->
18     <h2>Contact Details</h2>
19     <p>
20         <strong>Student ID:</strong> 220570074<br>
21         <strong>Email:</strong> houyiy@deakin.edu.au
22     </p>
23     <!-- This is my biography-->
24     <h2>Biography</h2>
25     <p>
26         My name is Yiyang, I am currently studying Information Technology at
27             → Deaking University. I have no previous
28             experience in this field, but I am always excited to learn new knowledge.
29     </p>
30     <p>
31         One of my favourite quotes is by Confucian:
32         <blockquote>
33             When three are walking together, I am sure to find teachers among them. I
34                 → will select their good qualities and
35                 follow them, their bad qualities and avoid them.
36     </blockquote>
37     I like the quote because it reminds me to always try to learn new things from
38             → my surroundings.
39     </p>
40     <hr>
41     <h2>University</h2>
42     <!-- This is about my units-->
43     <h3>My Units</h3>
44     <p>
45         In this Trimester, I am studying 4 units:<br>
46             <em><strong>SIT771 </strong>Object-oriented Development</em><br>
47             <em><strong>SIT772 </strong>Database and Information Retrieval</em><br>
48             <em><strong>SIT773 </strong>Software Requirements and Analysis and
49                 → Modelling</em><br>
50             <em><strong>SIT774 </strong>Web Technologies and Development</em><br>
51             <mark>SIT774 is my favourite unit so far!</mark>
52     </p>
53     <!-- This is about my hobbies-->
```

```
50 <h3>My Hobbies</h3>
51 <h4>Sports</h4>
52 <p>
53     On every Monday, Tuesday, thursday and Friday afternoon, I go to gym to
      ↵   workout.<br>
54     During every winter season, I go to a ski resort to snowboard.
55 </p>
56 <h4>Music</h4>
57 <p>
58     I try to practice the guitar for as much as I can everyday.<br>
59     On every Saturday evening, I go to the band room to practice with my band.
60 </p>
61 </body>
62
63 </html>
```

```
Command Prompt - node .
internal/modules/cjs/loader.js:1068
    throw err;
^

Error: Cannot find module 'C:\Users\houyi'
    at Function.Module._resolveFilename (internal/modules/cjs/loader.js:1065:15) [39m
    at Function.Module._load (internal/modules/cjs/loader.js:91:27) [39m
    at Function.executeUserEntryPoint [as runMain] (internal/modules/run_main.js:60:12) [39m
    at internal/main/run_main_module.js:17:47 [39m
  code: [32m'MODULE_NOT_FOUND'[39m,
  requireStack: []
}

C:\Users\houyi>I:

I:>cd University\SIT774\node_sever_template
The system cannot find the path specified.

I:>cd University\SIT774\node_sever_templates
The system cannot find the path specified.

I:>cd University\SIT774\node_server_templates
The system cannot find the path specified.

I:>cd University\SIT774\node_server_template

I:\University\SIT774\node_server_template>node .
Web server running at: http://localhost:3000
Type Ctrl+C to shut down the web server
```

Image 1. Command Prompt

task1.2 My Information

Yiyang Hou

Contact Details

Student ID: 220570074
Email: houyi@deakin.edu.au

Biography

My name is Yiyang, I am currently studying Information Technology at Deaking University. I have no previous experience in this field, but I am always excited to learn new knowledge.

One of my favourite quotes is by Confucian:

When three are walking together, I am sure to find teachers among them. I will select their good qualities and follow them, their bad qualities and avoid them.

I like the quote because it reminds me to always try to learn new things from my surroundings.

University

My Units

In this Semester, I am studying 4 units:
SIT771 Object-oriented Development
SIT772 Database and Information Retrieval
SIT773 Software Requirements and Analysis and Modelling
SIT774 Web Technologies and Development
SIT774 is my favourite unit so far!

My Hobbies

Sports

On every Monday, Tuesday, Thursday and Friday afternoon, I go to gym to workout.
During every winter season, I go to a ski resort to snowboard.

Music

I try to practice the guitar for as much as I can everyday.
On every Saturday evening, I go to the band room to practice with my band.

Image 2. Web Page

6 Add images and hyperlinks into a web page

Continue with the development of your web page by adding images and hyperlinks

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task is the best example of demonstrating client-side application design and development.

Date	Author	Comment
2020/07/30 21:31	Yiyang Hou	Ready to Mark
2020/07/31 12:53	Michael Hobbs	Thansk Yiyang. Good work.
2020/07/31 12:53	Michael Hobbs	Complete

Add images and hyperlinks into a web page

Submitted By:

Yiyang HOU
houyiy
2020/07/30 21:31

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

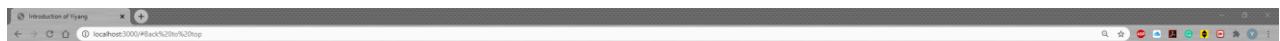
This task is the best example of demonstrating client-side application design and development.

July 30, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Introduction of Yiyang</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="My Personal Information">
10  <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15   <header>
16     <!-- This is my name-->
17     <h1 id="Back to top">Yiyang Hou</h1>
18     <!-- This is my contact details-->
19   </header>
20   <main>
21     <h2>Contact Details</h2>
22     <p>
23       <strong>Student ID:</strong> 220570074<br>
24       <strong>Email:</strong><a href="mailto:houyiy@deakin.edu.au">
25         → houyiy@deakin.edu.au</a>
26     </p>
27     <!-- This is my biography-->
28     <h2>Biography</h2>
29     <p>
30       My name is Yiyang, I am currently studying <a href="#IT">Information
31       → Technology</a> at <a target="_blank"
32       → href="http://www.deakin.edu.au">Deaking University</a>. I have no
33       → previous
34       experience in this field, but I am always excited to learn new knowledge.
35     </p>
36     <p>
37       One of my favourite quotes is by Confucian:
38       <blockquote>
39         When three are walking together, I am sure to find teachers among them. I
40         → will select their good qualities and
41         follow them, their bad qualities and avoid them.
42       </blockquote>
43       I like the quote because it reminds me to always try to learn new things from
44       → my surroundings.
45     </p>
46     <hr>
47
48     
49     
51     
52     <br>
```

```
47 
48 
49 
50 <br>
51
52 <a target="_blank" href="http://www.deakin.edu.au"></a>
53
54 <h2>University</h2>
55 <!-- This is about my units-->
56 <h3 id="IT">My Units</h3>
57 <p>
58     In this Trimester, I am studying 4 units:<br>
59     <em><strong>SIT771 </strong>Object-oriented Development</em><br>
60     <em><strong>SIT772 </strong>Database and Information Retrieval</em><br>
61     <em><strong>SIT773 </strong>Software Requirements and Analysis and
       ↳ Modelling</em><br>
62     <em><strong>SIT774 </strong>Web Technologies and Development</em><br>
63     <mark>SIT774 is my favourite unit so far!</mark>
64 </p>
65 <!-- This is about my hobbies-->
66 <h3>My Hobbies</h3>
67 <h4>Sports</h4>
68 <p>
69     On every Monday, Tuesday, Thursday and Friday afternoon, I go to gym to
       ↳ workout.<br>
70     During every <a target="_blank" href="snowMountain.jpg">winter season </a>,
       ↳ I go to a ski resort to snowboard.
71 </p>
72 <h4>Music</h4>
73 <p>
74     I try to practice the guitar for as much as I can everyday.<br>
75     On every Saturday evening, I go to the band room to practice with my band.
76 </p>
77 </main>
78 <footer>
79     <a href="#Back to top"><b>Back to the top of this page</b></a>
80 </footer>
81 </body>
82
83 </html>
```



Yiyang Hou

Contact Details

Student ID: 202170074

Email: houy@deakin.edu.au

Biography

My name is Yiyang. I am currently studying **Information Technology** at **Deakin University**. I have no previous experience in this field, but I am always excited to learn new knowledge.

One of my favorite quotes is by Confucius:

When three are walking together, I am sure to find teachers among them. I will select their good qualities and follow them; their bad qualities and avoid them.

I like the quote because it reminds me to always try to learn new things from my surroundings.



University

My Units

In this Semester, I am studying 4 units:

MIFT711 Object-oriented Development

MIFT712 Software Engineering Project

MIFT713 Software Requirements and Analysis and Modelling

MIFT714 Project Management

[MIFT714 Project Management](#)

My Hobbies

Sports

On every Monday, Tuesday, Thursday and Friday afternoon, I go to gym to workout.

During every [Sunday morning](#), I go to a ski resort to snowboard.

Music

I try to practice the guitar for as much as I can everyday.

On every Saturday evening, I go to the band room to practice with my band.

[Back to the top of this page](#)

7 Create tables in your web pages

Add tables to organise and display data

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating client-side application design and development.

Date	Author	Comment
2020/07/30 22:02	Yiyang Hou	Working On It
2020/07/30 23:06	Yiyang Hou	Ready to Mark
2020/07/31 12:58	Michael Hobbs	Great work Yiyang!
2020/07/31 12:58	Michael Hobbs	Complete

Create tables in your web pages

Submitted By:

Yiyang HOU
houyiy
2020/07/30 23:06

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating client-side application design and development.

July 30, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Task 2.2</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Task 2.2">
10     <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15     <!--Table No.1-->
16     <table border="2">
17         <caption><b> Australian Doughnut Sales by State</b></caption>
18         <tr>
19             <th> </th> <th>NSW</th> <th>VIC</th> <th>QLD</th> <th>WA</th>
20             &nbsp; <th>SA</th> <th>TAS</th> <th>NT</th> <th>ACT</th>
21         </tr>
22         <tr>
23             <td>Doughnut Sales ('000)</td> <td>3201</td> <td>2899</td>
24             &nbsp; <td>1562</td> <td>772</td> <td>401</td> <td>389</td> <td>272</td>
25             &nbsp; <td>114</td>
26         </tr>
27     </table>
28     <br>
29     <br>
30     <!--Table No.2-->
31     <table border="2">
32         <caption><b>Australian Doughnut Sales by Type and Method</b></caption>
33         <tr>
34             <td rowspan="2">Type</td> <th colspan="2">Glazed</th> <th colspan="2">Springles</th> <th colspan="2">Chocolate</th> <th colspan="2">Iced</th> <th colspan="2">Cinnamon</th>
35         </tr>
36         <tr>
37             <td>Ring</td> <td>Whole</td> <td>Ring</td> <td>Whole</td> <td>Ring</td>
38             &nbsp; <td>Whole</td> <td>Ring</td> <td>Whole</td> <td>Ring</td>
39             &nbsp; <td>Whole</td>
40         </tr>
41         <tr>
42             <td>Purchased<br>in-store ('000)</td> <td>1537.6</td> <td>672.7</td>
43             &nbsp; <td>864.9</td> <td>86.5</td> <td>845.7</td> <td>576.6</td>
44             &nbsp; <td>384.4</td> <td>192.2</td> <td>864.9</td> <td>259.5</td>
45         </tr>
46         <tr>
47             <td>Purchased<br>online ('000)</td> <td>384.4</td> <td>288.3</td>
48             &nbsp; <td>96.1</td> <td>201.8</td> <td>1268.5</td> <td>384.4</td>
49             &nbsp; <td>384.4</td> <td>192.2</td> <td>96.1</td> <td>28.8</td>
50         </tr>
51         <tr>
```

```
43      <td>Total<br>Doughnut<br>Sales ('000)</td> <td>1922.0</td>
44      ↵    <td>961.0</td> <td>961.0</td> <td>288.3</td> <td>2114.2</td>
45      ↵    <td>961.0</td> <td>768.8</td> <td>384.4</td> <td>961.0</td>
46      ↵    <td>288.3</td>
47  </tr>
48 </table>
49
50 </body>
</html>
```

Test 3.22

localhost:2000

App Home Useful Links Study YouTube Unacademy - Sparkfun Electronics Top 10 Books Per Month Guitar Effects Truecaller Online memorabilia phonebook.com mydictionary.net Telephone number Amazon.com.au Electronics, Cars, Fashion, Beauty & More Prime Video

Australian Doughnut Sales by State								
	NSW	VIC	QLD	WA	SA	TAS	NT	ACT
Doughnut Sales ('000)	3201	2899	1562	772	401	389	272	114
Australian Doughnut Sales by Type and Method								
Type	Glazed	Sprinkles	Chocolate	Iced	Cinnamon			
	Ring	Whole	Ring	Whole	Ring	Whole	Ring	Whole
Purchased in-store ('000)	1537.6	672.7	864.9	66.5	845.7	576.6	384.4	192.2
Purchased online ('000)	384.4	288.3	96.1	201.8	1268.5	384.4	384.4	192.2
Total Doughnut Sales('000)	1922.0	961.0	961.0	288.3	2114.2	961.0	768.8	384.4

8 Create, validate and publish a structural web page

Use HTML and HTML5 structural elements to create web pages, and validate a page using an online validator.

Outcome	Weight
Explain Web Technologies	♦♦♦♦♦

This task is the best example of demonstrating the explanation of web technologies and client-side application design and development. This task also demonstrates web service design and implementation to a reasonable extend.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating the explanation of web technologies and client-side application design and development. This task also demonstrates web service design and implementation to a reasonable extend.

Outcome	Weight
Web Service Design and Implementation	♦♦♦◊◊

This task is the best example of demonstrating the explanation of web technologies and client-side application design and development. This task also demonstrates web service design and implementation to a reasonable extend.

Date	Author	Comment
2020/07/31 01:28	Yiyang Hou	Ready to Mark
2020/07/31 13:23	Michael Hobbs	Thanks Yiyang.
2020/07/31 13:23	Michael Hobbs	Complete

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Create, validate and publish a structural web page

Submitted By:

Yiyang Hou
houyiy
2020/07/31 01:28

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦♦
Client-side Application Design and Development	♦♦♦♦♦
Web Service Design and Implementation	♦♦♦◊◊

This task is the best example of demonstrating the explanation of web technologies and client-side application design and development. This task also demonstrates web service design and implementation to a reasonable extend.

July 31, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Deakinsoft</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Homepage of Deakinsoft">
10  <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15   <header>
16     <h1>Deakinsoft System Development</h1>
17   </header>
18   <nav>
19     <b>
20       <a href="home.html">Home</a> &nbsp; &nbsp;
21       <a href="services.html">Services</a> &nbsp; &nbsp;
22       <a href="contact.html">Contact</a>
23     </b>
24
25   </nav>
26   <main>
27     <h3> New Web System Design </h3>
28     <p> Deakinsoft provides enterprise solutions to promote your
29       ↳ company's web presence. We also offer a wide range of services to
30       ↳ assist you in system running and maintenance. </p>
31     <h3> Your Needs are Our Priority </h3>
32     <p> Deakinsoft expert designers and developers are creative and eager to
33       ↳ work with you to provide best solutions to meet your needs. </p>
34   </main>
35   <footer>
36     <small><i> Copyright © 2020 Deakinsoft Pty Ltd. </i> </small>
37   </footer>
38 </body>
39
40 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7     <title>Deakinsoft Services</title>
8     <meta name="author" content="Yiyang Hou">
9     <meta name="description" content="Services Page of Deakinsoft">
10    <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15     <header>
16         <h1>Deakinsoft Services</h1>
17     </header>
18     <nav>
19         <b>
20             <a href="home.html">Home</a> &nbsp; &nbsp;
21             <a href="services.html">Services</a> &nbsp; &nbsp;
22             <a href="contact.html">Contact</a>
23         </b>
24
25     </nav>
26     <main>
27         <h3> These are the services that we provide </h3>
28         <br>
29         <br>
30     </main>
31     <footer>
32         <small><i> Copyright &copy; 2020 Deakinsoft Pty Ltd. </i> </small>
33     </footer>
34 </body>
35
36 </html>
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Deakinsoft Contact</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Contact Page of Deakinsoft">
10     <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15     <header>
16         <h1>Deakinsoft Contact</h1>
17     </header>
18     <nav>
19         <b>
20             <a href="home.html">Home</a> &nbsp; &nbsp;
21             <a href="services.html">Services</a> &nbsp; &nbsp;
22             <a href="contact.html">Contact</a>
23         </b>
24
25     </nav>
26     <main>
27         <h3> This is how you contact us </h3>
28         <br>
29         <br>
30     </main>
31     <footer>
32         <small><i> Copyright &copy; 2020 Deakinsoft Pty Ltd. </i> </small>
33     </footer>
34 </body>
35
36 </html>
```





Deakinsoft System Development

[Home](#) [Services](#) [Contact](#)

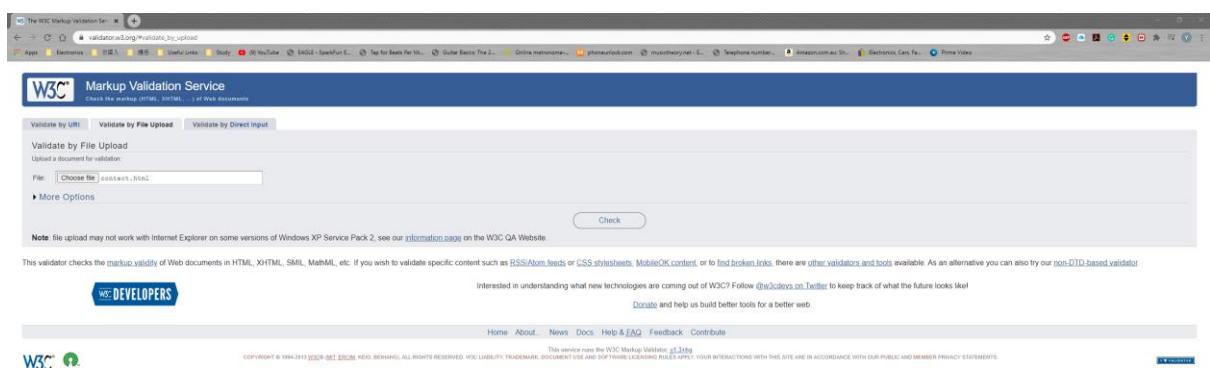
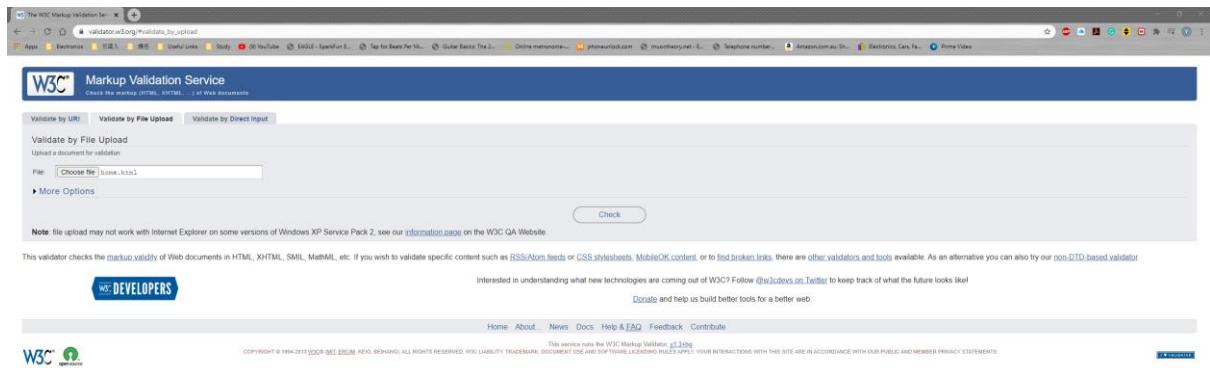
New Web System Design

Deakinsoft provides enterprise solutions to promote your company's web presence. We also offer a wide range of services to assist you in system running and maintenance.

Your Needs are Our Priority

Deakinsoft expert designers and developers are creative and eager to work with you to provide best solutions to meet your needs.

Copyright © 2020 Deakinsoft Pty Ltd



The W3C Markup Validation Service

validator.w3.org/validate_by_upload

Validate by URI Validate by File Upload Validate by Direct Input

Validate by File Upload

Upload a document for validation:

File services.css

Check

Note: file upload may not work with Internet Explorer on some versions of Windows XP Service Pack 2, see our [information page](#) on the W3C QA Website.

This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available. As an alternative you can also try our non-DTD-based validator.

Interested in understanding what new technologies are coming out of W3C? Follow [@w3cdevels](#) on Twitter to keep track of what the future looks like!

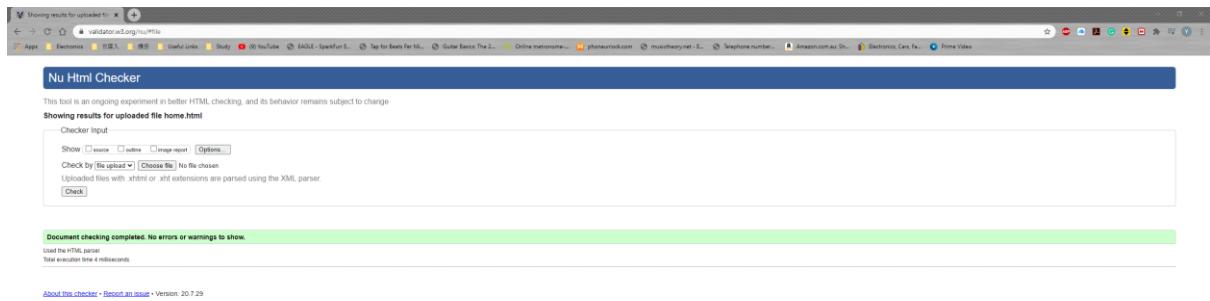
[Donate](#) and help us build better tools for a better web.

W3C DEVELOPERS

Home About News Docs Help & FAQ Feedback Contribute

This service runs the W3C Markup Validator v1.129

COPYRIGHT © 1994-2011 W3C® (MIT, INRIA, KEIO). ALL RIGHTS RESERVED. W3C LIABILITY TRADEMARK DOCUMENT USE AND SOFTWARE LICENSING RULES APPLY. YOUR INTERACTIONS WITH THIS SITE ARE IN ACCORDANCE WITH OUR PUBLIC AND MEMBER PRIVACY STATEMENTS.





[About this checker](#) • [Report an issue](#) • Version: 20.7.29



[About this checker](#) • [Report an issue](#) • Version: 20.7.29

9 Create a web page with inline styles

Learn about and implement inline styles

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example to demonstrate the design and development of client-side application.
This task is also an example of option identification and application deployment.

Outcome	Weight
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example to demonstrate the design and development of client-side application.
This task is also an example of option identification and application deployment.

Date	Author	Comment
2020/08/06 23:43	Yiyang Hou	Ready to Mark
2020/08/12 08:58	Michael Hobbs	Great work with the inline styling :)
2020/08/12 08:58	Michael Hobbs	Complete

Create a web page with inline styles

Submitted By:

Yiyang HOU
houyiy
2020/08/06 23:43

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example to demonstrate the design and development of client-side application.

This task is also an example of option identification and application deployment.

August 6, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7     <title>Deakinsoft</title>
8     <meta name="author" content="Yiyang Hou">
9     <meta name="description" content="Homepage of Deakinsoft">
10    <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body>
15     <header>
16         <h1>Deakinsoft System Development</h1>
17     </header>
18     <nav>
19         <b>
20             <a href="home.html">Home</a> &nbsp; &nbsp;
21             <a href="services.html">Services</a> &nbsp; &nbsp;
22             <a href="contact.html">Contact</a>
23         </b>
24
25     </nav>
26     <main>
27         <h2> New Web System Design </h2>
28         <p> Deakinsoft provides enterprise solutions to promote your
29             ↳ company's web presence. We also offer a wide range of services to
30             ↳ assist you in system running and maintenance. </p>
31         <ul>
32             <li>Designing Elegant Websites</li>
33             <li>Interactive and Responsive Interfaces</li>
34             <li>User Centred Design Approaches</li>
35             <li>Efficient Search Engine Support</li>
36         </ul>
37         <h2> Your Needs are Our Priority </h2>
38         <p> Deakinsoft expert designers and developers are creative and eager to
39             ↳ work with you to provide best solutions to meet your needs. </p>
40     </main>
41     <footer>
42         <small><i> Copyright © 2020 Deakinsoft Pty Ltd. </i> </small>
43     </footer>
44 </body>
45
46 </html>
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Deakinsoft</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Homepage of Deakinsoft">
10     <meta charset="utf-8">
11 </head>
12 <!-- Here is the body element-->
13
14 <body style="background-color: #ecf7ff; color: #001a13; font-family:Lucida Sans
15   Unicode, Lucida Grande, sans-serif;">
16     <header>
17         <h1 style="background-color: #91a8d0; color: GhostWhite; text-align:
18           center;">Deakinsoft System Development</h1>
19     </header>
20     <nav>
21         <b>
22             <a style="color: #927c66; text-transform:
23               Uppercase;" href="home.html">Home</a> &ampnbsp &ampnbsp
24             <a style="color: #927c66; text-transform:
25               uppercase;" href="services.html">Services</a> &ampnbsp &ampnbsp
26             <a style="color: #927c66; text-transform:
27               uppercase;" href="contact.html">Contact</a>
28         </b>
29
30     </nav>
31     <main>
32         <h2 style="background-color: #91b5d0; color: AliceBlue; font-family:
33           Tahoma, Geneva, sans-serif;">New Web System Design</h2>
34         <p style="font-size: 1em"> Deakinsoft provides enterprise solutions to
35           promote your company's web presence. We also offer a wide range
36           of services to assist you in system running and maintenance. </p>
37         <ul style="font-weight: bold;">
38             <li>Designing Elegant Websites</li>
39             <li>Interactive and Responsive Interfaces</li>
40             <li>User Centred Design Approaches</li>
41             <li>Efficient Search Engine Support</li>
42         </ul>
43         <h2 style="background-color: #91b5d0; color: AliceBlue; font-family:
44           Tahoma, Geneva, sans-serif;">Your Needs are Our Priority</h2>
45         <p style="font-size: 1em"> Deakinsoft expert designers and developers are
46           creative and eager to work with you to provide best solutions to meet
47           your needs. </p>
48     </main>
49     <footer style="font-style: italic;">
50         <small><i> Copyright © 2020 Deakinsoft Pty Ltd. </i> </small>
51     </footer>
52 </body>
```

43 </html>



Deakinsoft System Development

[Home](#) [Services](#) [Contact](#)

New Web System Design

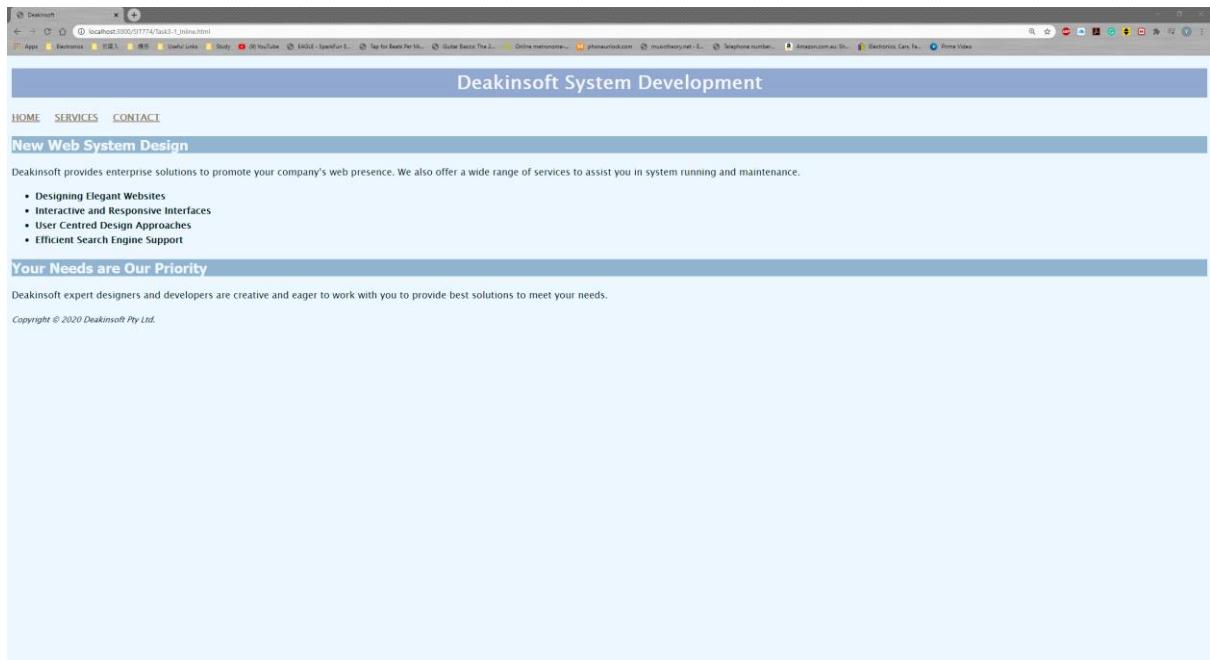
Deakinsoft provides enterprise solutions to promote your company's web presence. We also offer a wide range of services to assist you in system running and maintenance.

- Designing Elegant Websites
- Interactive and Responsive Interfaces
- User Centred Design Approaches
- Efficient Search Engine Support

Your Needs are Our Priority

Deakinsoft expert designers and developers are creative and eager to work with you to provide best solutions to meet your needs.

Copyright © 2020 Deakinsoft Pty Ltd.



10 Create a web page with internal and external styles

Learn about and implement internal and external styles

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating the design and development of client-side application. This task also demonstrates the outcome of option identification and application deployment.

Outcome	Weight
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of client-side application. This task also demonstrates the outcome of option identification and application deployment.

Date	Author	Comment
2020/08/07 03:20	Yiyang Hou	Ready to Mark
2020/08/12 09:03	Michael Hobbs	Complete
2020/08/12 09:03	Michael Hobbs	Good demonstration of internal and external styling.

Create a web page with internal and external styles

Submitted By:

Yiyang HOU
houyiy
2020/08/07 03:20

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of client-side application.

This task also demonstrates the outcome of option identification and application deployment.

August 7, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Deakinsoft</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Homepage of Deakinsoft">
10  <meta charset="utf-8">
11  <style>
12    body {
13      background-color: #ecf7ff;
14      color: #001a13;
15      font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;
16    }
17
18    h1 {
19      background-color: #91a8d0;
20      color: GhostWhite;
21      text-align: center;
22    }
23
24    h2 {
25      background-color: #91b5d0;
26      color: AliceBlue;
27      font-family: Tahoma, Geneva, sans-serif;
28    }
29
30    p {
31      font-size: 1em
32    }
33
34    a {
35      color: #927c66;
36      text-transform: Uppercase;
37    }
38
39    ul {
40      font-weight: bold;
41    }
42
43    footer {
44      font-style: italic;
45      font-size: 0.75em;
46      color: #333333;
47    }
48
49    nav {
50      font-weight: bold;
51      text-align: center;
52    }
53
```

```
54     .company {
55         font-size: 1.25em;
56         font-weight: bold;
57     }
58
59     .feature {
60         color: #bd2b4f
61     }
62
63     #wrapper {
64         width: 90%;
65         margin-left: auto;
66         margin-right: auto;
67     }
68 
```

</style>

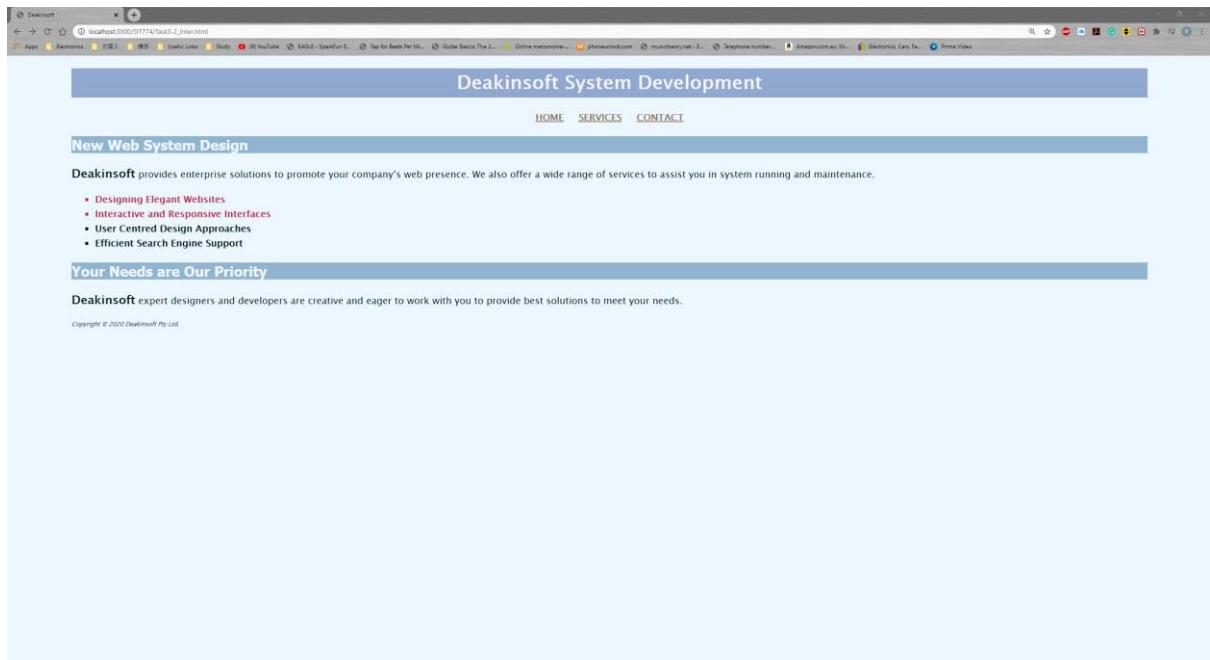
```
69 </head>
70 <!-- Here is the body element-->
71
72 <body>
73     <div id="wrapper">
74         <header>
75             <h1>Deakinsoft System Development</h1>
76         </header>
77         <nav>
78             <b>
79                 <a href="home.html">Home</a> &ampnbsp &ampnbsp
80                 <a href="services.html">Services</a> &ampnbsp &ampnbsp
81                 <a href="contact.html">Contact</a>
82             </b>
83
84         </nav>
85         <main>
86             <h2> New Web System Design </h2>
87             <p><span class="company">Deakinsoft</span> provides enterprise
88                 solutions to promote your company's web
89                 presence. We also offer a
90                 wide range of services to assist you in system running and
91                 maintenance. </p>
92             <ul>
93                 <li class="feature">Designing Elegant Websites</li>
94                 <li class="feature">Interactive and Responsive Interfaces</li>
95                 <li>User Centred Design Approaches</li>
96                 <li>Efficient Search Engine Support</li>
97             </ul>
98             <h2> Your Needs are Our Priority </h2>
99             <p> <span class="company">Deakinsoft</span> expert designers and
100                developers are creative and eager to work with you to provide best
101                solutions to meet your needs. </p>
102
103         </main>
104         <footer>
105             <small><i> Copyright &copy; 2020 Deakinsoft Pty Ltd. </i> </small>
106         </footer>
107     </div>
```

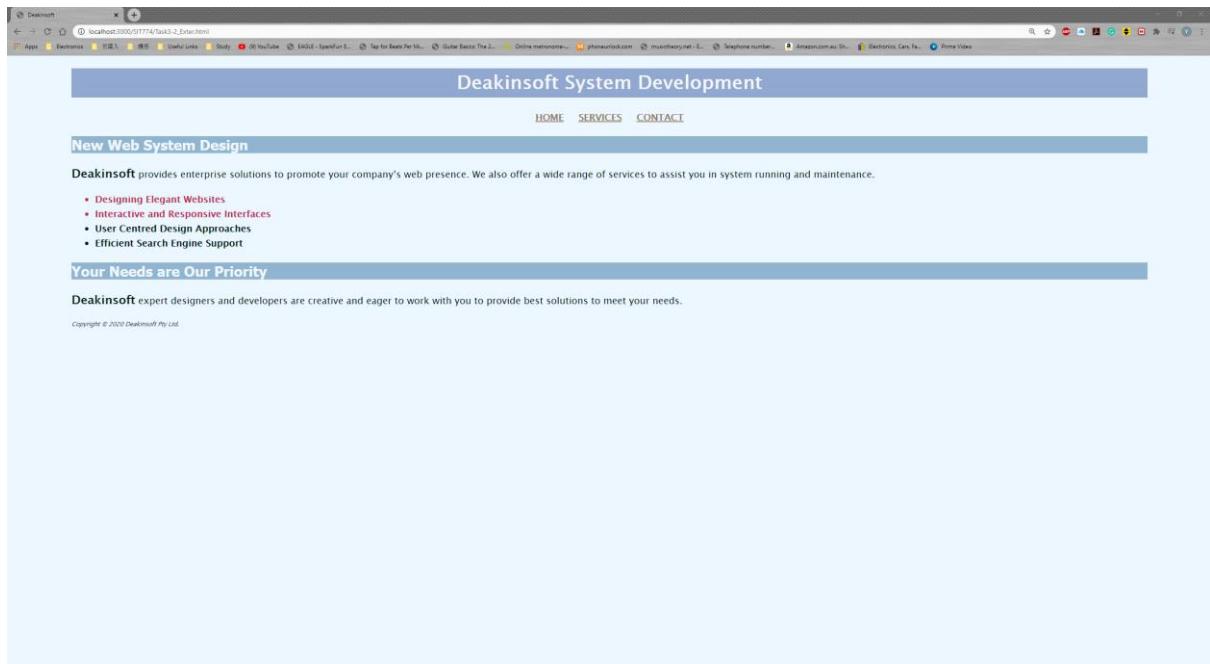
```
104  </body>  
105  
106  </html>
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Deakinsoft</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Homepage of Deakinsoft">
10     <meta charset="utf-8">
11     <link rel="stylesheet" href="myStyle.css">
12 </head>
13 <!-- Here is the body element-->
14
15 <body>
16     <div id="wrapper">
17         <header>
18             <h1>Deakinsoft System Development</h1>
19         </header>
20         <nav>
21             <b>
22                 <a href="home.html">Home</a> &nbsp; &nbsp;
23                 <a href="services.html">Services</a> &nbsp; &nbsp;
24                 <a href="contact.html">Contact</a>
25             </b>
26
27         </nav>
28         <main>
29             <h2> New Web System Design </h2>
30             <p><span class="company">Deakinsoft</span> provides enterprise
31                 &rightarrow; solutions to promote your company's web
32                 presence. We also offer a
33                 wide range of services to assist you in system running and
34                 &rightarrow; maintenance. </p>
35             <ul>
36                 <li class="feature">Designing Elegant Websites</li>
37                 <li class="feature">Interactive and Responsive Interfaces</li>
38                 <li>User Centred Design Approaches</li>
39                 <li>Efficient Search Engine Support</li>
40             </ul>
41             <h2> Your Needs are Our Priority </h2>
42             <p> <span class="company">Deakinsoft</span> expert designers and
43                 &rightarrow; developers are creative and eager to work
44                 with you to provide best
45                 solutions to meet your needs. </p>
46         </main>
47         <footer>
48             <small><i> Copyright &copy; 2020 Deakinsoft Pty Ltd. </i> </small>
49         </footer>
50     </div>
51 </body>
52
53 </html>
```

```
1 body {
2     background-color: #ecf7ff;
3     color: #001a13;
4     font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;
5 }
6
7 h1 {
8     background-color: #91a8d0;
9     color: GhostWhite;
10    text-align: center;
11 }
12
13 h2 {
14     background-color: #91b5d0;
15     color: AliceBlue;
16     font-family: Tahoma, Geneva, sans-serif;
17 }
18
19 p {
20     font-size: 1em
21 }
22
23 a {
24     color: #927c66;
25     text-transform: Uppercase;
26 }
27
28 ul {
29     font-weight: bold;
30 }
31
32 footer {
33     font-style: italic;
34     font-size: 0.75em;
35     color: #333333;
36 }
37
38 nav {
39     font-weight: bold;
40     text-align: center;
41 }
42
43 .company {
44     font-size: 1.25em;
45     font-weight: bold;
46 }
47
48 .feature {
49     color: #bd2b4f
50 }
51
52 #wrapper {
53     width: 90%;
```

```
54     margin-left: auto;  
55     margin-right: auto;  
56 }
```





11 CSS for background image pseudo-class and table

Apply CSS to elements of your web page

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates that the learning outcome of identifying options and deployment of the application is met.

Outcome	Weight
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates that the learning outcome of identifying options and deployment of the application is met.

Date	Author	Comment
2020/08/07 18:34	Yiyang Hou	Ready to Mark
2020/08/12 09:23	Michael Hobbs	OK, nice work Yiyang!
2020/08/12 09:23	Michael Hobbs	Complete

CSS for background image pseudo-class and table

Submitted By:

Yiyang HOU
houyiy
2020/08/07 18:34

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates that the learning outcome of identifying options and deployment of the application is met.

August 7, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Deakinsoft</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Homepage of Deakinsoft">
10  <meta charset="utf-8">
11  <style>
12    body {
13      background-color: #ecf7ff;
14      color: #001a13;
15      font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;
16    }
17
18    h1 {
19
20      color: GhostWhite;
21      text-align: center;
22    }
23
24    h2 {
25      background-color: #91b5d0;
26      color: AliceBlue;
27      font-family: Tahoma, Geneva, sans-serif;
28      text-align: center;
29      background-image: url(Pacman.jpg);
30      background-repeat: no-repeat;
31      background-position: 5px, left;
32      background-size: 1.5em;
33    }
34
35    p {
36      font-size: 1em
37    }
38
39    a {
40      background-color: #91b5d0;
41      padding: 5px 40px;
42      border: 1px solid black;
43      margin-left: 50px;
44      margin-right: 50px;
45      color: #927c66;
46      text-transform: Uppercase;
47      text-decoration: none;
48    }
49
50    a:link {
51      color: black;
52    }
53
```

```
54     a:visited {
55         color: maroon;
56     }
57
58     a:hover {
59         color: yellow;
60         font-style: italic;
61     }
62
63     ul {
64         font-weight: bold;
65     }
66
67     footer {
68         font-style: italic;
69         font-size: 0.75em;
70         color: #333333;
71     }
72
73     nav {
74         font-weight: bold;
75         text-align: center;
76     }
77
78     .company {
79         font-size: 1.25em;
80         font-weight: bold;
81     }
82
83     .feature {
84         color: #bd2b4f
85     }
86
87     #wrapper {
88         width: 90%;
89         margin-left: auto;
90         margin-right: auto;
91     }
92
93     header {
94         background-image: url(island.jpg);
95     }
96
97     table caption {
98         font-size: 1.25em;
99         font-weight: bold;
100    }
101
102    table {
103        border-collapse: collapse;
104        border: 2px solid black;
105        text-align: center;
106        margin: auto;
```

```
107
108
109     }
110
111     #firstRow {
112         background-color: blueviolet;
113     }
114
115     #thirdRow {
116         background-color: cornflowerblue;
117     }
118
119 </style>
120 </head>
121 <!-- Here is the body element-->
122
123 <body>
124     <div id="wrapper">
125         <header>
126             <h1>Deakinsoft System Development</h1>
127         </header>
128         <nav>
129             <b>
130                 <a href="home.html">Home</a>
131                 <a href="services.html">Services</a>
132                 <a href="contact.html">Contact</a>
133             </b>
134
135         </nav>
136         <main>
137             <h2> New Web System Design </h2>
138             <p><span class="company">Deakinsoft System Development</span> provides
139                 ↳ enterprise solutions to promote your
140                 company's web
141                 presence. We also offer a
142                 wide range of services to assist you in system running and
143                 ↳ maintenance. </p>
144             <ul>
145                 <li class="feature">Designing Elegant Websites</li>
146                 <li class="feature">Interactive and Responsive Interfaces</li>
147                 <li>User Centred Design Approaches</li>
148                 <li>Efficient Search Engine Support</li>
149             </ul>
150             <table>
151                 <caption>Our training courses</caption>
152                 <tr id="firstRow">
153                     <th>Training Course</th>
154                     <th>Duration of the course</th>
155                     <th>Location</th>
156                 </tr>
157                 <tr>
158                     <td>Web Application Development</td>
159                     <td>6 Months</td>
```

```
158     <td>Burwood VIC</td>
159   </tr>
160   <tr id="thirdRow">
161     <td>Object-Oriented Programming</td>
162     <td>6 Months</td>
163     <td>Burwood VIC</td>
164   </tr>
165   <tr>
166     <td>Database Development</td>
167     <td>6 Months</td>
168     <td>Geelong VIC</td>
169   </tr>
170 </table>
171 <h2> Your Needs are Our Priority </h2>
172 <p> <span class="company">Deakinsoft System Development</span> expert
173   ↵  designers and developers are creative
174   and eager to work
175   with you to provide best
176   solutions to meet your needs. </p>
177 </main>
178 <footer>
179   <small><i> Copyright &copy; 2020 Deakinsoft Pty Ltd. </i> </small>
180 </footer>
181 </div>
182 </body>
183
184 </html>
```

```
1 body {
2     background-color: #ecf7ff;
3     color: #001a13;
4     font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;
5 }
6
7 h1 {
8
9     color: GhostWhite;
10    text-align: center;
11 }
12
13 h2 {
14     background-color: #91b5d0;
15     color: AliceBlue;
16     font-family: Tahoma, Geneva, sans-serif;
17     text-align: center;
18     background-image: url(Pacman.jpg);
19     background-repeat: no-repeat;
20     background-position: 5px, left;
21     background-size: 1.5em;
22 }
23
24 p {
25     font-size: 1em
26 }
27
28 a {
29     background-color: #91b5d0;
30     padding: 5px 40px;
31     border: 1px solid black;
32     margin-left: 50px;
33     margin-right: 50px;
34     color: #927c66;
35     text-transform: Uppercase;
36     text-decoration: none;
37 }
38
39 a:link {
40     color: black;
41 }
42
43 a:visited {
44     color: maroon;
45 }
46
47 a:hover {
48     color: yellow;
49     font-style: italic;
50 }
51
52 ul {
53     font-weight: bold;
```

```
54 }
55
56 footer {
57     font-style: italic;
58     font-size: 0.75em;
59     color: #333333;
60 }
61
62 nav {
63     font-weight: bold;
64     text-align: center;
65 }
66
67 .company {
68     font-size: 1.25em;
69     font-weight: bold;
70 }
71
72 .feature {
73     color: #bd2b4f
74 }
75
76 #wrapper {
77     width: 90%;
78     margin-left: auto;
79     margin-right: auto;
80 }
81
82 header {
83     background-image: url(island.jpg);
84 }
85
86 table caption {
87     font-size: 1.25em;
88     font-weight: bold;
89 }
90
91 table {
92     border-collapse: collapse;
93     border: 2px solid black;
94     text-align: center;
95     margin: auto;
96
97 }
98
99
100 #firstRow {
101     background-color: blueviolet;
102 }
103
104 #thirdRow {
105     background-color: cornflowerblue;
106 }
```

107 }

Deakinsoft System Development

New Web System Design

- Designing Elegant Websites
- Interactive and Responsive Interfaces
- User Centred Design Approaches
- Efficient Search Engine Support

Our training courses

Training Course	Duration of the course	Location
Web Application Development	6 Months	Burwood VIC
Object-Oriented Programming	6 Months	Burwood VIC
Database Development	6 Months	Geelong VIC

Your Needs are Our Priority

Deakinsoft System Development expert designers and developers are creative and eager to work with you to provide best solutions to meet your needs.

Copyright © 2007 Deakinsoft Pty Ltd.

12 Two-column layout web page

Implement the two column web page layout

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates the learning outcome of identifying options and deployment of the application.

Outcome	Weight
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates the learning outcome of identifying options and deployment of the application.

Date	Author	Comment
2020/08/07 22:36	Yiyang Hou	Ready to Mark
2020/08/12 09:49	Michael Hobbs	OK... nice work here.... Great content to :)
2020/08/12 09:49	Michael Hobbs	Is there a way you can make the columns reszie as the window resizes?
2020/08/12 09:49	Michael Hobbs	Fix and Resubmit
2020/08/12 16:57	Yiyang Hou	Ready to Mark
2020/08/12 16:57	Yiyang Hou	Thank you for the feedback, Mick! I changed the width of the columns to percentages instead of pixels, so they will adapt to the size of the display area.
2020/08/13 08:48	Michael Hobbs	Great! Thanks Yiyang!
2020/08/13 08:48	Michael Hobbs	Complete

Two-column layout web page

Submitted By:

Yiyang HOU
houyiy
2020/08/12 16:57

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦
Option Identification and Application Deployment	♦♦◊◊◊

This task is the best example of demonstrating the design and development of a client-side application. This task also demonstrates the learning outcome of identifying options and deployment of the application.

August 12, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7     <title>Fanpage of Dakar Rally!</title>
8     <meta name="author" content="Yiyang Hou">
9     <meta name="description" content="fanpage of Dakar">
10    <meta charset="utf-8">
11    <style>
12        #wrapper {
13            width: 80%;
14            margin-left: auto;
15            margin-right: auto;
16        }
17
18        header {
19            background-color: #d9452e;
20            color: white;
21            text-align: center;
22            background-image: url(Dakar_Rally.jpg);
23            background-repeat: no-repeat;
24            background-position: center bottom;
25            background-size: 5em;
26        }
27
28        h1 {
29            margin-bottom: 80px;
30            font-family: Tahoma, Geneva, sans-serif;
31        }
32
33        body {
34            background-color: white;
35            color: black;
36            font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;
37        }
38
39
40        nav {
41            float: left;
42            width: 13%;
43            background-color: gold;
44            font-weight: bold;
45
46
47        }
48
49        ul {
50            list-style-type: none;
51        }
52
53        li {
```

```
54         margin-bottom: 15px;
55     }
56
57     nav a {
58         text-decoration: none;
59         text-transform: Uppercase;
60         color: black;
61     }
62
63     nav a:link {
64         color: black;
65     }
66
67     nav a:visited {
68         color: purple;
69     }
70
71     nav a:hover {
72         color: darkred;
73     }
74
75     #back {
76         font-size: small;
77     }
78
79     aside {
80         float: right;
81         text-align: left;
82         text-transform: uppercase;
83         color: white;
84         width: 25%;
85         background-color: navy;
86         padding-left: 40px;
87         border: 2px solid black;
88     }
89
90     main {
91         width: 55%;
92         margin-left: 220px;
93         padding: 10px;
94     }
95
96     footer {
97         font-size: small;
98         font-style: italic;
99     }
100
101     .news {
102         width: 270px;
103         height: 180px;
104
105
106
```

```
107     }
108
109     figcaption {
110         font-weight: bold;
111         text-align: center;
112     }
113
114     .gallery {
115         width: 270px;
116         height: 180px;
117     }
118
119
120     #route{
121         width: 600px;
122         height: 600px;
123     }
124 
```

</style>

```
125 </head>
126
127 <!-- Here is the body element-->
128
129 <body>
130
131     <header>
132         <h1 id="top">Welcome to the world of Dakar Rally!</h1><br>
133     </header>
134
135     <div id="wrapper">
136
137         <nav>
138             <ul>
139                 <li><a href="home.html">Home</a></li>
140                 <li><a href="competitors.html">Competitors</a></li>
141                 <li><a href="classifications.html">Classifications</a></li>
142                 <li><a href="history.html">History</a></li>
143                 <li><a href="forum.html">Forum</a></li>
144             </ul>
145         </nav>
146         <aside>
147             <h2>
148                 News
149             </h2>
150             <figure>
151                 
153                 <figcaption>
154                     The calender of 2020 Dakar Rally
155                 </figcaption>
156             </figure>
157             <figure>
158                 
```

```
158         <figcaption>
159             Ricky Brabec is the winner of 2020 Dakar Rally!
160         </figcaption>
161     </figure>
162
163     </aside>
164     <main>
165         <h2>AN ENDURING CHALLENGE</h2>
166         <p>
167             The adventure began back in 1977, when Thierry Sabine got lost on
168             ↵ his motorbike in the Libyan desert
169             during the Abidjan-Nice Rally. Saved from the sands in extremis, he
170             ↵ returned to France still in thrall
171             to this landscape and promising himself he would share his
172             ↵ fascination with as many people as possible.
173             He proceeded to come up with a route starting in Europe, continuing
174             ↵ to Algiers and crossing Agadez
175             before eventually finishing at Dakar. The founder coined a motto
176             ↵ for his inspiration: "A challenge for
177             those who go. A dream for those who stay behind." Courtesy of his
178             ↵ great conviction and that modicum of
179             madness peculiar to all great ideas, the plan quickly became a
180             ↵ reality. Since then, the Paris-Dakar, a
181             unique event sparked by the spirit of adventure, open to all riders
182             ↵ and carrying a message of friendship
183             between all men, has never failed to challenge, surprise and
184             ↵ excite. Over the course of almost thirty
185             years, it has generated innumerable sporting and human stories.
186         </p>
187         <h2>
188             2020 ROUTE MAP
189         </h2>
190         <figure>
191             
192         </figure>
193
194         <h2>
195             HIGHLIGHT GALLERY
196         </h2>
197         <figure>
198             
199             
200             
201             
202             
203             
204         </figure>
205
206         <footer>
207             This page is created by the fans for the fans for non-profit
208             ↵ purposes.
209         </footer>
210         <a id="back" href="Task3.4.html#top">Back to the top</a>
```

```
201      </main>
202
203      </div>
204
205  </body>
206
207  </html>
```

Welcome to the world of Dakar Rally!

HOME

COMPETITORS

CLASSIFICATIONS

HISTORY

FORUM

AN ENDURING CHALLENGE

The adventure began back in 1977, when Thierry Sabine got lost on his motorbike in the Libyan desert during the Abidjan-Nice Rally. Saved from the sands in extremis, he returned to France still in thrall to this landscape and promising himself he would share his fascination with as many people as possible. He proceeded to come up with a route starting in Europe, continuing to Algiers and crossing Agadez before eventually finishing at Dakar. The founder coined a motto for his inspiration: "A challenge for those who go. A dream for those who stay behind." Courtesy of his great conviction and that modicum of madness peculiar to all great ideas, the plan quickly became a reality. Since then, the Paris-Dakar, a unique event sparked by the spirit of adventure, open to all riders and carrying a message of friendship between all men, has never failed to challenge, surprise and excite. Over the course of almost thirty years, it has generated innumerable sporting and human stories.

2020 ROUTE MAP

NEWS

POS	NAME	TEAM	CLASS	STAGE	TIME	POSITION	DIFFERENCE
1	RICKY BRABEC	REPSOL KTM TEAM	ATV	1	00:00:00	1	00:00:00
2	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	1	00:00:00	2	00:00:00
3	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	2	00:00:00	1	00:00:00
4	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	3	00:00:00	2	00:00:00
5	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	4	00:00:00	1	00:00:00
6	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	5	00:00:00	2	00:00:00
7	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	6	00:00:00	1	00:00:00
8	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	7	00:00:00	2	00:00:00
9	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	8	00:00:00	1	00:00:00
10	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	9	00:00:00	2	00:00:00
11	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	10	00:00:00	1	00:00:00
12	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	11	00:00:00	2	00:00:00
13	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	12	00:00:00	1	00:00:00
14	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	13	00:00:00	2	00:00:00
15	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	14	00:00:00	1	00:00:00
16	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	15	00:00:00	2	00:00:00
17	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	16	00:00:00	1	00:00:00
18	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	17	00:00:00	2	00:00:00
19	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	18	00:00:00	1	00:00:00
20	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	19	00:00:00	2	00:00:00
21	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	20	00:00:00	1	00:00:00
22	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	21	00:00:00	2	00:00:00
23	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	24	00:00:00	1	00:00:00
24	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	25	00:00:00	2	00:00:00
25	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	26	00:00:00	1	00:00:00
26	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	27	00:00:00	2	00:00:00
27	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	28	00:00:00	1	00:00:00
28	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	29	00:00:00	2	00:00:00
29	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	30	00:00:00	1	00:00:00
30	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	31	00:00:00	2	00:00:00
31	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	32	00:00:00	1	00:00:00
32	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	33	00:00:00	2	00:00:00
33	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	34	00:00:00	1	00:00:00
34	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	35	00:00:00	2	00:00:00
35	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	36	00:00:00	1	00:00:00
36	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	37	00:00:00	2	00:00:00
37	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	38	00:00:00	1	00:00:00
38	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	39	00:00:00	2	00:00:00
39	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	40	00:00:00	1	00:00:00
40	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	41	00:00:00	2	00:00:00
41	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	42	00:00:00	1	00:00:00
42	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	43	00:00:00	2	00:00:00
43	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	44	00:00:00	1	00:00:00
44	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	45	00:00:00	2	00:00:00
45	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	46	00:00:00	1	00:00:00
46	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	47	00:00:00	2	00:00:00
47	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	48	00:00:00	1	00:00:00
48	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	49	00:00:00	2	00:00:00
49	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	50	00:00:00	1	00:00:00
50	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	51	00:00:00	2	00:00:00
51	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	52	00:00:00	1	00:00:00
52	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	53	00:00:00	2	00:00:00
53	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	54	00:00:00	1	00:00:00
54	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	55	00:00:00	2	00:00:00
55	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	56	00:00:00	1	00:00:00
56	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	57	00:00:00	2	00:00:00
57	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	58	00:00:00	1	00:00:00
58	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	59	00:00:00	2	00:00:00
59	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	60	00:00:00	1	00:00:00
60	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	61	00:00:00	2	00:00:00
61	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	62	00:00:00	1	00:00:00
62	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	63	00:00:00	2	00:00:00
63	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	64	00:00:00	1	00:00:00
64	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	65	00:00:00	2	00:00:00
65	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	66	00:00:00	1	00:00:00
66	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	67	00:00:00	2	00:00:00
67	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	68	00:00:00	1	00:00:00
68	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	69	00:00:00	2	00:00:00
69	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	70	00:00:00	1	00:00:00
70	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	71	00:00:00	2	00:00:00
71	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	72	00:00:00	1	00:00:00
72	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	73	00:00:00	2	00:00:00
73	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	74	00:00:00	1	00:00:00
74	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	75	00:00:00	2	00:00:00
75	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	76	00:00:00	1	00:00:00
76	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	77	00:00:00	2	00:00:00
77	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	78	00:00:00	1	00:00:00
78	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	79	00:00:00	2	00:00:00
79	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	80	00:00:00	1	00:00:00
80	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	81	00:00:00	2	00:00:00
81	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	82	00:00:00	1	00:00:00
82	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	83	00:00:00	2	00:00:00
83	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	84	00:00:00	1	00:00:00
84	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	85	00:00:00	2	00:00:00
85	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	86	00:00:00	1	00:00:00
86	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	87	00:00:00	2	00:00:00
87	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	88	00:00:00	1	00:00:00
88	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	89	00:00:00	2	00:00:00
89	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	90	00:00:00	1	00:00:00
90	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	91	00:00:00	2	00:00:00
91	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	92	00:00:00	1	00:00:00
92	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	93	00:00:00	2	00:00:00
93	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	94	00:00:00	1	00:00:00
94	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	95	00:00:00	2	00:00:00
95	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	96	00:00:00	1	00:00:00
96	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	97	00:00:00	2	00:00:00
97	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	98	00:00:00	1	00:00:00
98	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	99	00:00:00	2	00:00:00
99	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	100	00:00:00	1	00:00:00
100	CHRISTIAN HIRSCHER	REPSOL KTM TEAM	ATV	101	00:00:00	2	00:00:00

THE CALENDAR OF 2020 DAKAR RALLY

RICKY BRABEC IS THE WINNER OF 2020 DAKAR RALLY!

HIGHLIGHT GALLERY

This page is created by the fans for the fans for non-profit purposes.
[Back to the top](#)

```
1 #wrapper {  
2     width: 80%;  
3     margin-left: auto;  
4     margin-right: auto;  
5 }  
6  
7 header {  
8     background-color: #d9452e;  
9     color: white;  
10    text-align: center;  
11    background-image: url(Dakar_Rally.jpg);  
12    background-repeat: no-repeat;  
13    background-position: center bottom;  
14    background-size: 5em;  
15 }  
16  
17 h1 {  
18     margin-bottom: 80px;  
19     font-family: Tahoma, Geneva, sans-serif;  
20 }  
21  
22 body {  
23     background-color: white;  
24     color: black;  
25     font-family: Lucida Sans Unicode, Lucida Grande, sans-serif;  
26 }  
27  
28  
29 nav {  
30     float: left;  
31     width: 13%;  
32     background-color: gold;  
33     font-weight: bold;  
34  
35 }  
36  
37  
38 ul {  
39     list-style-type: none;  
40 }  
41  
42 li {  
43     margin-bottom: 15px;  
44 }  
45  
46 nav a {  
47     text-decoration: none;  
48     text-transform: Uppercase;  
49     color: black;  
50 }  
51  
52 nav a:link {  
53     color: black;
```

```
54 }
55
56 nav a:visited {
57   color: purple;
58 }
59
60 nav a:hover {
61   color: darkred;
62 }
63
64 #back {
65   font-size: small;
66 }
67
68 aside {
69   float: right;
70   text-align: left;
71   text-transform: uppercase;
72   color: white;
73   width: 25%;
74   background-color: navy;
75   padding-left: 40px;
76   border: 2px solid black;
77 }
78
79 main {
80   width: 55%;
81   margin-left: 220px;
82   padding: 10px;
83 }
84
85
86 footer {
87   font-size: small;
88   font-style: italic;
89 }
90
91 .news {
92   width: 270px;
93   height: 180px;
94
95 }
96
97
98 figcaption {
99   font-weight: bold;
100  text-align: center;
101
102 }
103
104 .gallery {
105   width: 270px;
106   height: 180px;
```

```
107 }
108
109 #route{
110     width: 600px;
111     height: 600px;
112 }
```

13 Create a Web Page with Bootstrap (I)

Using Bootstrap

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task demonstrates the design and development of a client-side application, as well as the deployment of the application to suitable production environments.

Outcome	Weight
Option Identification and Application Deployment	◆◆◇◇◇

This task demonstrates the design and development of a client-side application, as well as the deployment of the application to suitable production environments.

Date	Author	Comment
2020/08/26 14:59	Yiyang Hou	Ready to Mark
2020/08/27 08:23	Michael Hobbs	OK, good, thanks!
2020/08/27 08:23	Michael Hobbs	Complete

Create a Web Page with Bootstrap (I)

Submitted By:

Yiyang HOU
houyiy
2020/08/26 14:59

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆
Option Identification and Application Deployment	◆◆◇◇◇

This task demonstrates the design and development of a client-side application, as well as the deployment of the application to suitable production environments.

August 26, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Coolest Bikes</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Coolest Bikes">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16         → integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17         → dKGj7Sk"
18         → crossorigin="anonymous">
19
20 </head>
21
22 <body>
23     <div class="jumbotron jumbotron-fluid">
24         <div class="container text-center">
25             <h1>Coolest Bikes In the World!</h1>
26             <p class="lead text-center">Which one is your favourite?</p>
27         </div>
28     </div>
29     <div class="row">
30         <div class="col-md-2 text-center">
31             <h2>Useful Links</h2><br>
32             <div class="btn-group-vertical btn-group-lg">
33                 <a class="btn btn-primary" href="https://www.yamaha-motor.com.au/"_
34                     → role="button">Yamaha</a>
35                 <a class="btn btn-primary"_
36                     → href="https://www.triumphmotorcycles.com.au/"_
37                     → role="button">Triumph</a>
38                 <a class="btn btn-primary" href="https://www.ducati.com/au/en/home"_
39                     → role="button">Ducati</a>
40             </div>
41         </div>
42         <div class="col-md-10">
43             <h2>Cool Bikes</h2>
44             <div class="row">
45                 <div class="col-md-4">
46                     
47                     <p class="text-center font-weight-bold">Yamaha R1</p>
48                 </div>
49                 <div class="col-md-4">
50                     
52                     <p class="text-center font-weight-bold">Triumph Bonneville
53                         → Bobber</p>
54             </div>
55         </div>
56     </div>
57 
```

```
43         </div>
44         <div class="col-md-4">
45             
47             <p class="text-center font-weight-bold">Ducati Panigale</p>
48         </div>
49     </div>
50     <div class="container">
51         <h3 class="text-center">Information</h3>
52         <table class="table table-bordered table-hover">
53             <thead>
54                 <tr>
55                     <th>Make</th>
56                     <th>Model</th>
57                     <th>Capacity</th>
58                 </tr>
59             </thead>
60             <tbody>
61                 <tr>
62                     <td>Yamaha</td>
63                     <td>R1</td>
64                     <td>999cc</td>
65                 </tr>
66                 <tr>
67                     <td>Ducati</td>
68                     <td>Panigale</td>
69                     <td>1299cc</td>
70                 </tr>
71                 <tr>
72                     <td>Triumph</td>
73                     <td>Bonneville Bobber</td>
74                     <td>1200cc</td>
75                 </tr>
76             </tbody>
77         </table>
78     </div>
79 </div>
80
81     <!-- jQuery library -->
82     <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
83         ↵ 4-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
84         ↵ crossorigin="anonymous"></script>
<script
85         ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
86         ↵ integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
87         ↵ xMfooAo"
88         ↵ crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.mi
89         ↵ n.js"
90         ↵ integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
91         ↵ /kR0JKI"
92         ↵ crossorigin="anonymous"></script>
```

```
85 </body>  
86 </html>
```

Cooler Bikes

localhost:3000/077774/task4-1.html

App Electronics 书签 有用的链接 学习 YouTube EGGI - SpeedFun... Tap for Beats Per Min... Guitar Hero Tre... Online metronome... phonevids.com musictheory.net... Seaphone number... Amazon.com.au Sh... Electronics, Cars, Fa... Prime Video Google Translate

Coolest Bikes In the World!

Which one is your favourite?

Useful Links

[Yamaha](#)
[Triumph](#)
[Ducati](#)

Cool Bikes



Information

Make	Model	Capacity
Yamaha	R1	999cc
Ducati	Panigale	1299cc
Triumph	Bonneville Bobber	1200cc

14 Create a Web Page with Bootstrap (II)

Further bootstrap features

Outcome	Weight
Client-side Application Design and Development	♦♦◊◊◊

This task demonstrates the design and development of a client-side application.

Date	Author	Comment
2020/08/26 17:14	Yiyang Hou	Ready to Mark
2020/08/27 08:28	Michael Hobbs	Nice. Thanks
2020/08/27 08:28	Michael Hobbs	Complete

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Create a Web Page with Bootstrap (II)

Submitted By:

Yiyang HOU
houyiy
2020/08/26 17:14

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦◊◊◊

This task demonstrates the design and development of a client-side application.

August 26, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Coolest Bikes</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Coolest Bikes">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         /css/bootstrap.min.css"
16         integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17         dKGj7Sk"
18         crossorigin="anonymous">
19 </head>
20
21
22 <body>
23     <div class="jumbotron jumbotron-fluid">
24         <div class="container text-center">
25             <h1>Coolest Bikes In the World!</h1>
26             <div id="newCarousel" class="carousel slide" data-ride="carousel">
27                 <!-- Indicators -->
28                 <ol class="carousel-indicators">
29                     <li data-target="#newCarousel" data-slide-to="0"
30                         &gt; active </li>
31                     <li data-target="#newCarousel" data-slide-to="1"></li>
32                     <li data-target="#newCarousel" data-slide-to="2"></li>
33                 </ol>
34                 <!-- Wrapper for slides -->
35                 <div class="carousel-inner">
36                     <div class="carousel-item active">
37                         
38                         <div class="carousel-caption font-weight-bold">
39                             <p> Yamaha R1 </p>
40                         </div>
41                     </div>
42                     <div class="carousel-item">
43                         
45                         <div class="carousel-caption font-weight-bold">
46                             <p> Triumph Bonneville Bobber </p>
47                         </div>
48                     </div>
49                     <div class="carousel-item">
50                         
52                         <div class="carousel-caption font-weight-bold">
53                             <p> Ducati Panigale </p>
54                         </div>
55                 </div>
56             </div>
57         </div>
58     </div>
59 
```

```
46             </div>
47         </div>
48         <!-- Left and right controls -->
49         <a class="carousel-control-prev" href="#newCarousel"
50             data-slide="prev">
51             <span class="carousel-control-prev-icon"></span>
52             <span class="sr-only">Previous</span>
53         </a>
54         <a class="carousel-control-next" href="#newCarousel"
55             data-slide="next">
56             <span class="carousel-control-next-icon"></span>
57             <span class="sr-only">Next</span>
58         </a>
59     </div>
60 </div>
61 <div class="row">
62     <div class="col-md-2 text-center">
63         <h2>Useful Links</h2><br>
64         <div class="btn-group-vertical btn-group-lg">
65             <a class="btn btn-primary" href="https://www.yamaha-motor.com.au/">
66                 <button>Yamaha</button>
67             <a class="btn btn-primary" href="https://www.triumphmotorcycles.com.au/">
68                 <button>Triumph</button>
69             <a class="btn btn-primary" href="https://www.ducati.com/au/en/home">
70                 <button>Ducati</button>
71         </div>
72     </div>
73     <div class="col-md-10">
74         <h2>Cool Bikes</h2>
75         <div class="row">
76             <div class="col-md-4">
77                 
78                 <img alt="Yamaha R1" style="width:100%" class="img-fluid rounded-lg">
79                 <p class="text-center font-weight-bold">Yamaha R1</p>
80             </div>
81             <div class="col-md-4">
82                 
83                 <p class="text-center font-weight-bold">Triumph Bonneville
84                     Bobber</p>
85             </div>
86             <div class="col-md-4">
87                 
88                 <p class="text-center font-weight-bold">Ducati Panigale</p>
89             </div>
90         </div>
91         <div class="container">
92             <h3 class="text-center">Information</h3>
93             <table class="table table-bordered table-hover">
```

```
89         <thead>
90             <tr>
91                 <th>Make</th>
92                 <th>Model</th>
93                 <th>Capacity</th>
94             </tr>
95         </thead>
96         <tbody>
97             <tr>
98                 <td>Yamaha</td>
99                 <td>R1</td>
100                <td>999cc</td>
101            </tr>
102            <tr>
103                <td>Ducati</td>
104                <td>Panigale</td>
105                <td>1299cc</td>
106            </tr>
107            <tr>
108                <td>Triumph</td>
109                <td>Bonneville Bobber</td>
110                <td>1200cc</td>
111            </tr>
112        </tbody>
113    </table>
114 </div>
115 </div>
116 </div>
117
118     <!-- jQuery library -->
119     <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-4-DfXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
120         crossorigin="anonymous"></script>
121     <script
122         src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
123         integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
124         xMfooAo"
125         crossorigin="anonymous"></script>
126     <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.mi
127         n.js"
128         integrity="sha384-0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
129         /kR0JKI"
130         crossorigin="anonymous"></script>
131
132 </body>
133 </html>
```

Cooler Bikes

localhost:3000/077784/task4-2.html

App Electronics 书签 有用的链接 学习 YouTube EGGI - Spendfun... Tap for Beats Per Min... Guitar Hero The 2... Online mnemonic... phonebook.com musictheory.net Telephone number... Amazon.com.au Sh... Electronics, Cars, Fa... Prime Video Google Translate

Coolest Bikes In the World!



Useful Links

Yamaha R1

Cool Bikes



Triumph Bonneville Bobber

Information

Make	Model	Capacity
Yamaha	R1	998cc
Ducati	Panigale	1299cc
Triumph	Bonneville Bobber	1200cc

15 Create a Web Page with Bootstrap (III)

Dynamic content in Bootstrap

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and implementation of a client-side application by using contemporary tools and frameworks. It is also backed up by relevant evidence.

Outcome	Weight
Web Service Design and Implementation	♦♦♦♦♦

This task demonstrates the design and implementation of a client-side application by using contemporary tools and frameworks. It is also backed up by relevant evidence.

Outcome	Weight
Achieved Outcome Justification	♦♦♦◊◊

This task demonstrates the design and implementation of a client-side application by using contemporary tools and frameworks. It is also backed up by relevant evidence.

Date	Author	Comment
2020/08/26 22:34	Yiyang Hou	Ready to Mark
2020/08/27 08:38	Michael Hobbs	OK, good work. Thanks.
2020/08/27 08:38	Michael Hobbs	Complete

Create a Web Page with Bootstrap (III)

Submitted By:

Yiyang HOU
houyiy
2020/08/26 22:34

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦
Web Service Design and Implementation	♦♦♦♦
Achieved Outcome Justification	♦♦♦◊◊

This task demonstrates the design and implementation of a client-side application by using contemporary tools and frameworks. It is also backed up by relevant evidence.

August 26, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Coolest Bikes</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Coolest Bikes">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16         integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17             → dKGj7Sk"
18             → crossorigin="anonymous">
19
20 </head>
21
22 <body>
23
24     <div class="jumbotron jumbotron-fluid">
25         <div class="container text-center">
26             <h1>Coolest Bikes In the World!</h1>
27             <div id="newCarousel" class="carousel slide" data-ride="carousel">
28                 <!--Indicators-->
29                 <ol class="carousel-indicators">
30                     <li data-target="#newCarousel" data-slide-to="0"
31                         → class="active"></li>
32                     <li data-target="#newCarousel" data-slide-to="1"></li>
33                     <li data-target="#newCarousel" data-slide-to="2"></li>
34                 </ol>
35                 <!-- Wrapper for slides -->
36                 <div class="carousel-inner">
37                     <div class="carousel-item active">
38                         
39                         <div class="carousel-caption font-weight-bold">
40                             <p> Yamaha R1 </p>
41                         </div>
42                     </div>
43                     <div class="carousel-item">
44                         
46                         <div class="carousel-caption font-weight-bold">
47                             <p> Triumph Bonneville Bobber </p>
48                         </div>
49                     </div>
50                     <div class="carousel-item">
51                         
53                         <div class="carousel-caption font-weight-bold">
```

```
47                     <p> Ducati Panigale </p>
48                 </div>
49             </div>
50         <!-- Left and right controls -->
51         <a class="carousel-control-prev" href="#newCarousel"
52             ↵ data-slide="prev">
53             <span class="carousel-control-prev-icon"></span>
54             <span class="sr-only">Previous</span>
55         </a>
56         <a class="carousel-control-next" href="#newCarousel"
57             ↵ data-slide="next">
58             <span class="carousel-control-next-icon"></span>
59             <span class="sr-only">Next</span>
60         </a>
61     </div>
62 </div>
63 <div class="row">
64     <div class="col-md-2 text-center">
65         <div class="btn-group">
66             <button type="button" class="btn btn-info dropdown-toggle"
67                 ↵ data-toggle="dropdown" aria-haspopup="true"
68                 aria-expanded="false">
69                 <h2>Useful Links</h2>
70             </button>
71             <div class="dropdown-menu">
72                 <a class="dropdown-item" target="_blank"
73                     ↵ href="https://www.yamaha-motor.com.au/">Yamaha</a>
74                 <a class="dropdown-item" target="_blank"
75                     ↵ href="https://www.triumphmotorcycles.com.au/">Triumph</a>
76                 <a class="dropdown-item" target="_blank"
77                     ↵ href="https://www.ducati.com/au/en/home">Ducati</a>
78             </div>
79         </div>
80         <br>
81         <br>
82     <div class="container">
83         <div class="card text-left bg-light" style="width:80%; ">
84             
86             <div class="card-header font-weight-bold">Yamaha R1</div>
87             <div class="card-body">
88                 <h5 class="card-title">ADVANCED BODYWORK</h5>
89                 <button type="button" class="btn btn-link"
90                     ↵ data-toggle="collapse" data-target="#card1ShowMore"
91                     aria-expanded="false" aria-controls="card1ShowMore">
92                     Show/Hide Details
93                 </button>
94                 <div class="collapse" id="card1ShowMore">
95                     <p class="card-text">Redesigned bodywork contributes to
96                         ↵ higher-quality performance and a
97                         more
98                 </p>
99             </div>
100         </div>
101     </div>
102 </div>
```

```
91                     comfortable rider fit. The new design creates a
92                         ↳ 5.3% increase in aerodynamic efficiency
93                     while
94                         reducing wind noise and pressure on the rider when
95                             ↳ in a tucked position, and improved
96                         comfort
97                         comes from smoother side sections where the rider's
98                             ↳ legs contact the bike. The 2020 R1M
99                         also
100                        receives a new carbon fibre tail cowl to accompany
101                            ↳ the existing carbon fibre passenger
102                        seat
103                        cowl.</p>
104
105                    </div>
106                </div>
107            <br>
108            <br>
109            <div class="card text-left bg-light" style="width:80%;">
110                
112                <div class="card-header font-weight-bold">Yamaha R1</div>
113                <div class="card-body">
114                    <h5 class="card-title">REFINED CP4 ENGINE</h5>
115                    <button type="button" class="btn btn-link"
116                        ↳ data-toggle="collapse" data-target="#card2ShowMore"
117                            aria-expanded="false" aria-controls="card2ShowMore">
118                            Show/Hide Details
119                    </button>
120                    <div class="collapse" id="card2ShowMore">
121                        <p class="card-text">The new 2020 R1M and R1 come
122                            ↳ equipped with the next generation of
123                                Yamaha's
124                                unique 998cc inline four-cylinder crossplane
125                                ↳ crankshaft engine for refined performance.
126                                Returning features such as titanium fracture-split
127                                ↳ connecting rods and offset cylinders
128                                contribute to a responsive and potent character,
129                                ↳ while the cylinder head, fuel
130                                injectors,
```

```
131      </div>
132      <div class="col-md-10">
133          <h2>Cool Bikes</h2>
134          <!--The images are all in a uniform size now and can be rescaled
135             ↳ properly when the window size is changed-->
136          <div class="row">
137              <div class="col-md-4">
138                  
140                  <p class="text-center font-weight-bold">Yamaha R1</p>
141              </div>
142              <div class="col-md-4">
143                  
146                  <p class="text-center font-weight-bold">Triumph Bonneville
147                     ↳ Bobber</p>
148              </div>
149              <div class="col-md-4">
150                  
152                  <p class="text-center font-weight-bold">Ducati Panigale</p>
153              </div>
154          </div>
155          <div class="container">
156              <h3 class="text-center">Information</h3>
157              <table class="table table-bordered table-hover">
158                  <thead>
159                      <tr>
160                          <th>Make</th>
161                          <th>Model</th>
162                          <th>Capacity</th>
163                          <th>Price</th>
164                      </tr>
165                  </thead>
166                  <tbody>
167                      <tr>
168                          <td>Yamaha</td>
169                          <td>R1</td>
170                          <td>999cc</td>
171                          <td>
172                              <!-- data-trigger is added to be more user
173                                 ↳ friendly, I leave one off for screenshot
174                                 ↳ capture reason only-->
175                              <button type="button" class="btn"
176                                 ↳ data-toggle="popover" data-placement="right"
177                                 ↳ data-trigger="focus"
178                                 title="INFO" data-content="It's not
179                                     ↳ cheap!">Click to
180                                     reveal</button>
181                          </td>
182                      </tr>
183                      <tr>
```

```
174                               <td>Ducati</td>
175                               <td>Panigale</td>
176                               <td>1299cc</td>
177                               <td>
178                                   <button type="button" class="btn"
179                                       → data-toggle="popover" data-placement="right"
180                                       title="INFO" data-content="Well, you really
181                                       → don't wanna know">Click to
182                                       reveal</button>
183                               </td>
184                           </tr>
185                           <tr>
186                               <td>Triumph</td>
187                               <td>Bonneville Bobber</td>
188                               <td>1200cc</td>
189                               <td>
190                                   <button type="button" class="btn"
191                                       → data-toggle="popover" data-placement="right"
192                                       → data-trigger="focus"
193                                       title="INFO" data-content="It's
194                                       → expansive!">Click to
195                                       reveal</button>
196                               </td>
197                           </tr>
198                       </tbody>
199                   </table>
200               </div>
201           </div>
202       </div>
203
204   <!-- Optional JavaScript -->
205   <!-- jQuery first, then Popper.js, then Bootstrap JS -->
206   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
207         integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+Or
208         → CXaRkfj"
209         crossorigin="anonymous"></script>
210   <script
211     → src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
212     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
213     → xMfooAo"
214     crossorigin="anonymous"></script>
215   <script
216     → src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
217     integrity="sha384-0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
218     → /kR0JKI"
219     crossorigin="anonymous"></script>
220   <script>
221     $(function () {
222         $('[data-toggle="popover"]').popover()
223     })
224   </script>
225 </body>
226
```

217 </html>

Coolest Bikes In the World!



Yamaha R1

Useful Links

- Yamaha
- Triumph
- Ducati

Cool Bikes



Yamaha R1

Useful Links

- Yamaha
- Triumph
- Ducati

Cool Bikes



ADVANCED BODYWORK

Show/Hide Details

Reweigned bodywork contributes to higher-quality performance and a more comfortable riding position. The design creates a 5.3% increase in aerodynamic efficiency while reducing wind noise and pressure on the rider when in a tucked position. The new bodywork also reduces drag from smoother side sections where the rider's legs contact the bike. The 2020 R1's integrated rear fender and carbon fibre tail cowls to accompany the existing carbon fibre passenger seat cowl.

Yamaha R1

REFINED CP4 ENGINE

Show/Hide Details

Information

Make	Model	Capacity	Price
Yamaha	R1	998cc	Click to reveal
Ducati	Panigale	1299cc	Click to reveal
Triumph	Bonneville Bobber	1200cc	Click to reveal

INFO
Well, you really don't wanna know

16 Create a form web page

Using HTML and HTML5 forms

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task demonstrates the design and development of a client-side application, as well as showcasing the design and implementation of a web service.

Outcome	Weight
Web Service Design and Implementation	◆◆◇◇◇

This task demonstrates the design and development of a client-side application, as well as showcasing the design and implementation of a web service.

Date	Author	Comment
2020/08/28 17:06	Yiyang Hou	Can I have more time to work on these tasks, please
2020/08/29 19:47	Yiyang Hou	Ready to Mark
2020/09/08 11:11	Michael Hobbs	Nice work Yihang!
2020/09/08 11:11	Michael Hobbs	Complete

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Create a form web page

Submitted By:

Yiyang HOU
houyiy
2020/08/29 19:47

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Web Service Design and Implementation	♦♦◊◊◊

This task demonstrates the design and development of a client-side application, as well as showcasing the design and implementation of a web service.

August 29, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Cookie Delivery Website</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Cookie Delivery Website">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17                 → dKGj7Sk"
18                 → crossorigin="anonymous">
19
20 </head>
21
22 <body>
23     <div class="container">
24         <h1>Homemade Cookies Delivered to Your Door</h1>
25         <p>We deliver boxes of freshly baked cookies to your door. Please fill in
26             → the form below to place your order.
27         </p>
28         <h2>ORDER FORM</h2>
29         <form>
30             <h2>Contact Details</h2>
31             <div class="form-group row">
32                 <label class="col-form-label col-md-3 col-4 text-right
33                     → font-weight-bold" for="name">Your name:</label>
34                 <div class="col-md-9 col-8">
35                     <input type="text" class="form-control" name="name" id="name"
36                         → placeholder="Firstname Surname"
37                         required>
38                 </div>
39             </div>
40             <div class="form-group row">
41                 <label class="col-form-label col-md-3 col-4 text-right
42                     → font-weight-bold" for="phone">Phone
43                     number:</label>
44                 <div class="col-md-9 col-8">
45                     <input type="tel" class="form-control" name="phone" id="phone"
46                         placeholder="Number including area code" required>
47                 </div>
48             </div>
49             <div class="form-group row">
50                 <label class="col-form-label col-md-3 col-4 text-right
51                     → font-weight-bold" for="email">Email:</label>
52                 <div class="col-md-9 col-8">
53                     <input type="email" class="form-control" name="email"
54                         → id="email" placeholder="Enter email" required>
55                 </div>
56             </div>
57         </form>
58     </div>
59 
```

```
44         </div>
45     </div>
46
47     <h2>Order Details</h2>
48
49     <div class="form-group row">
50         <label class="col-form-label col-md-3 col-4 text-right
51             ↵ font-weight-bold" for="boxNumber">Number of
52             boxes:</label>
53         <div class="col-md-9 col-8">
54             <input type="number" class="form-control" name="boxNumber"
55                 ↵ id="boxNumber" placeholder="1" required>
56         </div>
57     </div>
58     <div class="form-group row">
59         <label class="col-md-3 col-4 text-right font-weight-bold"
60             ↵ for="cookieType1">Cookie Type:</label>
61         <div class="col-md-9 col-8">
62             <div class="form-group form-check form-check-inline">
63                 <input class="form-check-input" type="radio"
64                     ↵ name="cookieType" id="cookieType1"
65                     value="chocolate" required>
66                 <label class="form-check-label"
67                     ↵ for="cookieType1">Chocolate</label>
68             </div>
69             <div class="form-group form-check form-check-inline">
70                 <input class="form-check-input" type="radio"
71                     ↵ name="cookieType" id="cookieType2" value="oatmeal">
72                 <label class="form-check-label"
73                     ↵ for="cookieType2">Oatmeal</label>
74             </div>
75             <div class="form-group form-check form-check-inline">
76                 <input class="form-check-input" type="radio"
77                     ↵ name="cookieType" id="cookieType3"
78                     value="shortbread">
79                 <label class="form-check-label"
80                     ↵ for="cookieType3">Shortbread</label>
81             </div>
82         </div>
83     </div>
84     <div class="form-group row">
85         <label class="col-md-3 col-4 text-right font-weight-bold"
86             ↵ for="opExtra1">Optional Extras:</label>
87         <div class="col-md-9 col-8">
88             <div class="form-group form-check form-check-inline">
89                 <input class="form-check-input" type="checkbox"
90                     ↵ name="opExtra1" id="opExtra1" value="chocChips"
91                     required>
92                 <label class="form-check-label"
93                     ↵ for="opExtra1">Choc-chips</label>
94             </div>
95             <div class="form-group form-check form-check-inline">
96                 <input class="form-check-input" type="checkbox"
97                     ↵ name="opExtra2" id="opExtra2"
```

```
85                     value="icingSugar">
86             <label class="form-check-label" for="opExtra2">Icing
87                 Sugar</label>
88         </div>
89         <div class="form-group form-check form-check-inline">
90             <input class="form-check-input" type="checkbox"
91                 name="opExtra3" id="opExtra3" value="rasins">
92             <label class="form-check-label"
93                 for="opExtra3">Rasins</label>
94         </div>
95     </div>
96 </div>
97
98 <h2>Delivery Details</h2>
99 <div class="form-group row">
100    <label class="col-form-label col-md-3 col-4 text-right"
101        font-weight-bold" for="address">Delivery
102        Address:</label>
103    <div class="col-md-9 col-8">
104        <input type="text" class="form-control" name="address"
105            id="address" placeholder="Enter address here"
106            required>
107    </div>
108 </div>
109 <div class="form-group row">
110    <label class="col-form-label col-md-3 col-4 text-right"
111        font-weight-bold" for="date">Delivery
112        Date:</label>
113    <div class="col-md-9 col-8">
114        <input type="date" class="form-control" name="date" id="date"
115            placeholder="dd/mm/yyyy" required>
116    </div>
117 </div>
118 <div class="form-group row">
119    <label class="col-form-label col-md-3 col-4 text-right"
120        font-weight-bold" for="deliveryOpt">Delivery
121        Options:</label>
122    <div class="col-md-9 col-8">
123        <select name="deliverOpt" id="deliverOpt" class="btn btn-info"
124            required>
125            <option>Select one...</option>
126            <option value="1">Option N0.1</option>
127            <option value="2">Option N0.2</option>
128            <option value="3">Option N0.3</option>
129        </select>
130    </div>
131 </div>
132 <div class="form-group row form-check col-md-9 offset-md-3 col-9"
133     offset-3 form-check-inline">
134
135     <input class="form-check-input" type="checkbox" name="remember"
136         id="remember" value="remember">
137     <label class="form-check-label" for="remember">Remember me</label>
```

```
127
128     </div>
129     <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
130         <div>
131             <input type="reset" value="Reset">
132         </div>
133         &nbsp;
134         <div>
135             <input type="submit" value="Submit">
136         </div>
137     </div>
138 </form>
139 </div>
140 <!-- Optional JavaScript -->
141 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
142 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
143     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+0r
144     ↵ CXaRkfj"
145     crossorigin="anonymous"></script>
146 <script
147     ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
148     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
149     ↵ xMfooAo"
150     crossorigin="anonymous"></script>
151 <script
152     ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
153     integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
154     ↵ /kR0JKI"
155     crossorigin="anonymous"></script>
156 </body>
157 </html>
```

Cookie Delivery Website + ×

localhost:3000/51774/tasks5-1.html?name=1&phone=1&email=1%401&boxNumber=1&cookieType=chocolate&address=Butate+8&deliverOpt>Select+one..

Apps Electronics 电脑入 健康 Useful Links Study YouTube EASLE - SparkFun Tap for Beats Per Mu... Guitar Basics The Z... Online metronome... phoneunlock.com musictheory.net Telephone number... Amazon.com.au Sh... Electronics, Cars, Pa... Prime Video Google Translate 谷歌翻译

Homemade Cookies Delivered to Your Door

We deliver boxes of freshly baked cookies to your door. Please fill in the form below to place your order.

ORDER FORM

Contact Details

Your name:

Phone number:

Email:

Order Details

Number of boxes:

Cookie Type: Chocolate Oatmeal Shortbread

Optional Extras: Choc-chips Using Sugar Raisins

Delivery Details

Delivery Address:

Delivery Date:

Delivery Options:

Remember me

Homemade Cookies Delivered to Your Door

We deliver boxes of freshly baked cookies to your door. Please fill in the form below to place your order.

ORDER FORM Contact Details

Your name: Yiyang Hou

**Phone
number:** 0488888888

Email: houyiy@deakin.edu.au

Order Details

**Number of
boxes:**

17 Create a form web page from requirements

Review requirements and create a web page based upon them

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side web application, as well as showcasing the design and implementation of a web service.

Outcome	Weight
Web Service Design and Implementation	♦♦◊◊◊

This task demonstrates the design and development of a client-side web application, as well as showcasing the design and implementation of a web service.

Date	Author	Comment
2020/08/28 17:06	Yiyang Hou	Can I have more time to work on these tasks, please
2020/08/30 22:51	Yiyang Hou	Ready to Mark
2020/09/08 12:18	Michael Hobbs	Great work. Thanks!
2020/09/08 12:18	Michael Hobbs	Complete

Create a form web page from requirements

Submitted By:

Yiyang HOU
houyiy
2020/08/30 22:51

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Web Service Design and Implementation	♦♦◊◊◊

This task demonstrates the design and development of a client-side web application, as well as showcasing the design and implementation of a web service.

August 30, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Study Buddy Program Registration</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Study Buddy Program Registration">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17                 → dKGj7Sk"
18                 → crossorigin="anonymous">
19
20 </head>
21
22 <body>
23     <div class="container">
24         <div class="jumbotron">
25             <div class="container text-center">
26                 <h1> Welcome to Study Buddy Program!</h1>
27             </div>
28         </div>
29         <h2>Please complete the following registration to join the program</h2>
30         <form>
31             <h3>Personal Information</h3>
32             <br>
33             <div class="form-group">
34                 <label class="font-weight-bold" for="studentId">Student ID:</label>
35                 <input type="number" class="form-control" name="studentId"
36                     → id="studentId"
37                     placeholder="Enter your Deakin student ID here" required>
38             </div>
39             <div class="form-group">
40                 <label class="font-weight-bold">Name:</label>
41                 <div class="form-group">
42                     <div class="form-row">
43                         <div class="col-md-3 col-12">
44                             <label for="title">Title</label>
45                             <input type="text" class="form-control" name="title"
46                                 → id="title" placeholder="Title"
47                                 required>
48
49                         </div>
50                         <div class="col-md-3 col-12">
51                             <label for="firstName">First Name</label>
52                             <input type="text" class="form-control"
53                                 → name="firstName" id="firstName"
54                                 placeholder="FirstName" required>
55
56             </div>
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
```

```
47         </div>
48     <div class="col-md-3 col-12">
49         <label for="title">Surname</label>
50         <input type="text" class="form-control" name="Surname"
51             ↪ id="Surname" placeholder="Surname"
52             required>
53     </div>
54     <div class="col-md-3 col-12">
55         <label for="title">Preferred Name</label>
56         <input type="text" class="form-control"
57             ↪ name="preferredName" id="preferredName"
58             placeholder="Preferred Name If Any">
59     </div>
60 </div>
61
62 <div class="form-group">
63     <label class="font-weight-bold" for="date"> Date of Birth:</label>
64     <input type="date" class="form-control" name="date" id="date"
65         ↪ placeholder="dd/mm/yyyy" required>
66 </div>
67
68 <div class="form-group">
69     <label class="font-weight-bold" for="gender">Gender</label>
70     <select name="gender" id="gender" class="form-control" required>
71         <option>Select one...</option>
72         <option value="male">Male</option>
73         <option value="female">Female</option>
74         <option value="trans">Transgender</option>
75         <option value="other">Other</option>
76         <option value="notToSay">Prefer not to say</option>
77     </select>
78 </div>
79
80 <div class="form-group">
81     <label class="font-weight-bold" for="email"> Deakin Email:</label>
82     <input type="email" class="form-control" name="email" id="email"
83         ↪ value="username@deakin.edu.au"
84         required>
85 </div>
86
87 <div class="form-group">
88     <label class="font-weight-bold" for="mobile"> Contact
89         ↪ Number:</label>
90     <input type="tel" class="form-control" name="mobile" id="mobile"
91         ↪ placeholder="Moble Number" required>
92 </div>
93
94 <div class="form-group">
95     <label class="font-weight-bold">Address:</label>
96     <div class="form-group">
97         <label for="street">Street Name and Number</label>
```

```
94         <input type="text" class="form-control" name="street"
95             ↵ id="street"
96                 placeholder="Street Name and Number" required>
97         <div class="form-row">
98             <div class="col-md-3 col-3">
99                 <label for="city">City</label>
100                <input type="text" class="form-control" name="city"
101                    ↵ id="city" placeholder="City" required>
102            </div>
103            <div class="col-md-3 col-3">
104                <label for="state">State</label>
105                <input type="text" class="form-control" name="state"
106                    ↵ id="state" placeholder="State"
107                        required>
108            </div>
109            <div class="col-md-3 col-3">
110                <label for="postcode">Postcode</label>
111                <input type="number" class="form-control"
112                    ↵ name="postcode" id="postcode" placeholder="postcode"
113                        required>
114            </div>
115        </div>
116    <br>
117    <h3>Your Course and Units</h3>
118    <div class="form-group">
119        <label class="font-weight-bold" for="course">Course</label>
120        <select name="course" id="course" class="form-control" required>
121            <option>Select one...</option>
122            <option value="s734">S734 &nbsp;Master of Cyber
123                Security</option>
124            <option value="s735">S735 &nbsp;Master of Cyber Security
125                (Prof)</option>
126            <option value="s736">S734 &nbsp;Master of Applied AI</option>
127            <option value="s737">S734 &nbsp;Master of Applied AI
128                (Prof)</option>
129            <option value="s777">S734 &nbsp;Master of Data Science</option>
130            <option value="s778">S734 &nbsp;Master of IT</option>
131            <option value="s779">S734 &nbsp;Master of IT (Prof)</option>
132            <option value="s789">S734 &nbsp;Master of IT
133                (Leadership)</option>
134            <option value="M761">S734 &nbsp;Master of Business
135                Analytics</option>
136        </select>
137    </div>
138    <div class="form-group">
139        <label class="font-weight-bold">Unit(s)</label>
140        <div class="row col-11 offset-1">
141            <div class="form-group form-check form-check-inline col-md-4
142                ↵ col-12">
143                <input class="form-check-input" type="checkbox"
144                    ↵ name="sit771" id="sit771" value="sit771"
```

```
136 >
137 <label class="col-form-label form-check-label"
138   ↵ for="sit771"><b>SIT771</b>&ampnbsp&nbsp;Object-Oriented
139   Development</label>
140 </div>
141 <div class="form-group form-check form-check-inline col-md-4
142   ↵ col-12">
143   <input class="form-check-input" type="checkbox"
144     ↵ name="sit772" id="sit772" value="sit772"
145     >
146   <label class="col-form-label form-check-label"
147     ↵ for="sit772"><b>SIT772</b>&ampnbsp&nbsp;Database and
148     Information
149     Retrieval</label>
150 </div>
151 <div class="form-group form-check form-check-inline col-md-4
152   ↵ col-12">
153   <input class="form-check-input" type="checkbox"
154     ↵ name="sit773" id="sit773" value="sit773"
155     >
156   <label class="col-form-label form-check-label"
157     ↵ for="sit773"><b>SIT773</b>&ampnbsp&nbsp;Software
158     Requirements
159     Analysis and Modelling</label>
160 </div>
161 <div class="form-group form-check form-check-inline col-md-4
162   ↵ col-12">
163   <input class="form-check-input" type="checkbox"
164     ↵ name="sit774" id="sit774" value="sit774"
165     >
166   <label class="col-form-label form-check-label"
167     ↵ for="sit774"><b>SIT774</b>&ampnbsp&nbsp;Web Technologies
168     and
169     Development</label>
170 </div>
171 <div class="form-group form-check form-check-inline col-md-4
172   ↵ col-12">
173   <input class="form-check-input" type="checkbox"
174     ↵ name="sit701" id="sit701" value="sit701"
175     >
176   <label class="col-form-label form-check-label"
177     ↵ for="sit701"><b>SIT701</b>&ampnbsp&nbsp;Enterprise Network
178     Construction</label>
179 </div>
180 <div class="form-group form-check form-check-inline col-md-4
181   ↵ col-12">
182   <input class="form-check-input" type="checkbox"
183     ↵ name="sit702" id="sit702" value="sit702"
184     >
185   <label class="col-form-label form-check-label"
186     ↵ for="sit702"><b>SIT702</b>&ampnbsp&nbsp;Enterprise Network
187     Management</label>
188 </div>
```

```
170      <div class="form-group form-check form-check-inline col-md-4
171          ↵ col-12">
172          <input class="form-check-input" type="checkbox"
173              ↵ name="sit716" id="sit716" value="sit716"
174                  >
175          <label class="col-form-label form-check-label"
176              ↵ for="sit716"><b>SIT716</b>&nbsp;&nbsp;Computer Networks
177              ↵ and
178                  Security</label>
179      </div>
180      <div class="form-group form-check form-check-inline col-md-4
181          ↵ col-12">
182          <input class="form-check-input" type="checkbox"
183              ↵ name="sit718" id="sit718" value="sit718"
184                  >
185          <label class="col-form-label form-check-label"
186              ↵ for="sit718"><b>SIT718</b>&nbsp;&nbsp;Real World
187                  Analytics</label>
188      </div>
189
190
191      <div class="form-group form-check form-check-inline col-md-4
192          ↵ col-12">
193          <input class="form-check-input" type="checkbox"
194              ↵ name="sit719" id="sit719" value="sit719"
195                  >
196          <label class="col-form-label form-check-label"
197              ↵ for="sit719"><b>SIT719</b>&nbsp;&nbsp;Security and
198                  Privacy
199                  Issues in Analytics</label>
200      </div>
201      <div class="form-group form-check form-check-inline col-md-4
202          ↵ col-12">
203          <input class="form-check-input" type="checkbox"
204              ↵ name="sit720" id="sit720" value="sit720"
205                  >
206          <label class="col-form-label form-check-label"
207              ↵ for="sit720"><b>SIT720</b>&nbsp;&nbsp;Machine
208                  Learning</label>
209      </div>
210      <div class="form-group form-check form-check-inline col-md-4
211          ↵ col-12">
212          <input class="form-check-input" type="checkbox"
213              ↵ name="sit741" id="sit741" value="sit741"
214                  >
215          <label class="col-form-label form-check-label"
216              ↵ for="sit741"><b>SIT741</b>&nbsp;&nbsp;Statistical Data
217                  Analysis</label>
218      </div>
219      <div class="form-group form-check form-check-inline col-md-4
220          ↵ col-12">
221          <input class="form-check-input" type="checkbox"
222              ↵ name="sit742" id="sit742" value="sit742"
```

```
203                               >
204             <label class="col-form-label form-check-label"
205               ↵   for="sit742"><b>SIT742</b>&nbsp;&nbsp;Modern Data
206               Science</label>
207           </div>
208           <div class="form-group form-check form-check-inline col-md-4
209             ↵   col-12">
210             <input class="form-check-input" type="checkbox"
211               ↵   name="mis771" id="mis771" value="mis771"
212               >
213             <label class="col-form-label form-check-label"
214               ↵   for="mis771"><b>MIS771</b>&nbsp;&nbsp;Descriptive
215               Analytics and
216               Visualisation</label>
217           </div>
218           <div class="form-group form-check form-check-inline col-md-4
219             ↵   col-12">
220             <input class="form-check-input" type="checkbox"
221               ↵   name="sit764" id="sit764" value="sit764"
222               >
223             <label class="col-form-label form-check-label"
224               ↵   for="sit764"><b>SIT764</b>&nbsp;&nbsp;Team Project (A)
225               - Project
226               Management and Practices</label>
227           </div>
228           <div class="form-group form-check form-check-inline col-md-4
229             ↵   col-12">
230             <input class="form-check-input" type="checkbox"
231               ↵   name="sit782" id="sit782" value="sit782"
232               >
233             <label class="col-form-label form-check-label"
234               ↵   for="sit782"><b>SIT782</b>&nbsp;&nbsp;Team Project (B) -
235               Execution and Delivery</label>
236           </div>
237           <div class="form-group form-check form-check-inline col-md-4
238             ↵   col-12">
239             <input class="form-check-input" type="checkbox"
240               ↵   name="sit787" id="sit787" value="sit787"
241               >
242             <label class="col-form-label form-check-label"
243               ↵   for="sit787"><b>SIT787</b>&nbsp;&nbsp;Mathematics for
244               Artificial
245               Intelligence</label>
246           </div>
247           <div class="form-group form-check form-check-inline col-md-4
248             ↵   col-12">
249             <input class="form-check-input" type="checkbox"
250               ↵   name="sit790" id="sit790" value="sit790"
251               >
252             <label class="col-form-label form-check-label"
253               ↵   for="sit790"><b>SIT790</b>&nbsp;&nbsp;Major
254               Thesis</label>
255           </div>
```

```
236      <div class="form-group form-check form-check-inline col-md-4
237          ↵ col-12">
238          <input class="form-check-input" type="checkbox"
239              ↵ name="sit791" id="sit791" value="sit791"
240              >
241          <label class="col-form-label form-check-label"
242              ↵ for="sit791"><b>SIT791</b>&nbsp;&nbsp;Professional
243              ↵ Practice</label>
244      </div>
245      <div class="form-group form-check form-check-inline col-md-4
246          ↵ col-12">
247          <input class="form-check-input" type="checkbox"
248              ↵ name="sit792" id="sit792" value="sit792"
249              >
250          <label class="col-form-label form-check-label"
251              ↵ for="sit792"><b>SIT792</b>&nbsp;&nbsp;Minor
252              ↵ Thesis</label>
253      </div>
254  </div>
255
256
257      <label class="font-weight-bold">Mode of Collaboration</label>
258      <div class="form-group">
259          <div class="form-group form-check form-check-inline">
260              <input type="radio" data-toggle="collapse"
261                  ↵ data-target="#inPersonOpts" aria-expanded="false"
262                  ↵ aria-controls="inPersonOpts" name="collab" id="inPerson"
263                  ↵ required>
264          <label class="col-form-label form-check-label"
265              ↵ for="inpPerson">&nbsp;In Person</label>
266      </div>
267      <br>
268
269      <div class="form-group form-check form-check-inline">
270          <input type="radio" data-toggle="collapse"
271              ↵ data-target="#onlineOpts" aria-expanded="false"
272              ↵ aria-controls="onlineOpts" name="collab" id="online">
273          <label class="col-form-label form-check-label"
274              ↵ for="online">&nbsp;Online</label>
275      </div>
276  </div>
277  <div class="collapse" id="inPersonOpts">
278      <div class="form-group form-check form-check-inline">
279          <input class="form-check-input" type="radio" name="waurnPonds"
280              ↵ id="waurnPonds" value="waurnPonds"
281              ↵ required>
282          <label class="col-form-label form-check-label"
283              ↵ for="waurnPonds">Geelong - Waurn Ponds</label>
284      </div><br>
285      <div class="form-group form-check form-check-inline">
286          <input class="form-check-input" type="radio" name="waterfronts"
287              ↵ id="waterfronts"
```

```
274                     value="waterfronts">
275             <label class="col-form-label form-check-label"
276                 ↳ for="waterfronts">Geelong - Waterfronts</label>
277         </div><br>
278         <div class="form-group form-check form-check-inline">
279             <input class="form-check-input" type="radio" name="burwood"
280                 ↳ id="burwood" value="burwood">
281             <label class="col-form-label form-check-label"
282                 ↳ for="burwood">Melbourne - Burwood</label>
283         </div>
284     </div>
285     <div class="collapse" id="onlineOpts">
286         <div class="form-group form-check form-check-inline">
287             <input class="form-check-input" type="radio" name="zoom"
288                 ↳ id="zoom" value="zoom" required>
289             <label class="col-form-label form-check-label"
290                 ↳ for="zoom">Online - Zoom Meeting</label>
291         </div><br>
292         <div class="form-group form-check form-check-inline">
293             <input class="form-check-input" type="radio" name="teams"
294                 ↳ id="teams" value="teams">
295             <label class="col-form-label form-check-label"
296                 ↳ for="teams">Online - MS Teams</label>
297         </div><br>
298         <div class="form-group form-check form-check-inline">
299             <input class="form-check-input" type="radio" name="phone"
300                 ↳ id="phone" value="phone">
301             <label class="col-form-label form-check-label"
302                 ↳ for="phone">Online - Phone Call</label>
303         </div>
304     </div>
305     <h3>Preferred Days and Time</h3>
306     <div class="form-group">
307         <label class="font-weight-bold">Days that you are
308             ↳ available</label><br>
309         <div class="form-group form-check form-check-inline">
310             <input class="form-check-input" type="checkbox" name="mon"
311                 ↳ id="mon" value="mon">
312             <label class="col-form-label form-check-label"
313                 ↳ for="mon">Monday</label>
314         </div>
315         <div class="form-group form-check form-check-inline">
316             <input class="form-check-input" type="checkbox" name="tue"
317                 ↳ id="tue" value="tue">
318             <label class="col-form-label form-check-label"
319                 ↳ for="tue">Tuesday</label>
320         </div>
321         <div class="form-group form-check form-check-inline">
322             <input class="form-check-input" type="checkbox" name="wed"
323                 ↳ id="wed" value="wed">
324             <label class="col-form-label form-check-label"
325                 ↳ for="wed">Wednesday</label>
326         </div>
```

```
311      <div class="form-group form-check form-check-inline">
312          <input class="form-check-input" type="checkbox" name="thu"
313              ↵ id="thu" value="thu">
314          <label class="col-form-label form-check-label"
315              ↵ for="thu">Thursday</label>
316      </div>
317      <div class="form-group form-check form-check-inline">
318          <input class="form-check-input" type="checkbox" name="fri"
319              ↵ id="fri" value="fri">
320          <label class="col-form-label form-check-label"
321              ↵ for="fri">Friday</label>
322      </div>
323      <div class="form-group form-check form-check-inline">
324          <input class="form-check-input" type="checkbox" name="sat"
325              ↵ id="sat" value="sat">
326          <label class="col-form-label form-check-label"
327              ↵ for="sat">Saturday</label>
328      </div>
329      <div class="form-group form-check form-check-inline">
330          <input class="form-check-input" type="checkbox" name="sun"
331              ↵ id="sun" value="sun">
332          <label class="col-form-label form-check-label"
333              ↵ for="sun">Sunday</label>
334      </div>
335  </div>
336  <div class="form-group">
337      <label class="font-weight-bold">Days that you are not
338          ↵ available</label><br>
339      <div class="form-group form-check form-check-inline">
340          <input class="form-check-input" type="checkbox" name="monNot"
341              ↵ id="monNot" value="monNot">
342          <label class="col-form-label form-check-label"
343              ↵ for="monNot">Monday</label>
344      </div>
345      <div class="form-group form-check form-check-inline">
346          <input class="form-check-input" type="checkbox" name="tueNot"
347              ↵ id="tueNot" value="tueNot">
348          <label class="col-form-label form-check-label"
349              ↵ for="tueNot">Tuesday</label>
350      </div>
351      <div class="form-group form-check form-check-inline">
352          <input class="form-check-input" type="checkbox" name="wedNot"
353              ↵ id="wedNot" value="wedNot">
354          <label class="col-form-label form-check-label"
355              ↵ for="wedNot">Wednesday</label>
356      </div>
357      <div class="form-group form-check form-check-inline">
358          <input class="form-check-input" type="checkbox" name="thuNot"
359              ↵ id="thuNot" value="thuNot">
360          <label class="col-form-label form-check-label"
361              ↵ for="thuNot">Thursday</label>
362      </div>
363  <div class="form-group form-check form-check-inline">
```

```
347         <input class="form-check-input" type="checkbox" name="friNot"
348             ↵ id="friNot" value="friNot">
349             <label class="col-form-label form-check-label"
350                 ↵ for="friNot">Friday</label>
351         </div>
352         <div class="form-group form-check form-check-inline">
353             <input class="form-check-input" type="checkbox" name="satNot"
354                 ↵ id="satNot" value="satNot">
355             <label class="col-form-label form-check-label"
356                 ↵ for="satNot">Saturday</label>
357         </div>
358         <div class="form-group form-check form-check-inline">
359             <input class="form-check-input" type="checkbox" name="sunNot"
360                 ↵ id="sunNot" value="sunNot">
361             <label class="col-form-label form-check-label"
362                 ↵ for="sunNot">Sunday</label>
363         </div>
364     </div>
365     <label class="font-weight-bold">Preferred Times</label>
366     <div class="form-group">
367         <div class="form-row">
368             <div class="form-group form-check form-check-inline">
369                 <input type="radio" data-toggle="collapse"
370                     ↵ data-target="#time" aria-expanded="false"
371                     aria-controls="time" name="preferredTime"
372                     ↵ id="preferredTimeMorn" required>
373                 <label class="col-form-label form-check-label"
374                     ↵ for="preferredTimeMorn">&ampnbspMornings</label>
375             </div>
376             <div class="form-group form-check form-check-inline">
377                 <input type="radio" data-toggle="collapse"
378                     ↵ data-target="#time" aria-expanded="false"
379                     aria-controls="time" name="preferredTime"
380                     ↵ id="preferredTimeDay">
381                 <label class="col-form-label form-check-label"
382                     ↵ for="preferredTimeDay">&ampnbspDuring the day</label>
383             </div>
384             <div class="form-group form-check form-check-inline">
385                 <input type="radio" data-toggle="collapse"
386                     ↵ data-target="#time" aria-expanded="false"
387                     aria-controls="time" name="preferredTime"
388                     ↵ id="preferredTimeEven">
389                 <label class="col-form-label form-check-label"
390                     ↵ for="preferredTimeEven">&ampnbspEvenings</label>
391             </div>
392         </div>
393     </div>
394     <div class="collapse" id="time">
395         <div class="form-group">
396             <label for="startTime">Specific start time</label>
397             <input type="time" class="form-control" name="startTime"
398                 ↵ id="startTime" required>
399         </div>
400     </div>
```

```
384         <div class="form-group">
385             <label for="finishTime">Specific finish time</label>
386             <input type="time" class="form-control" name="finishTime"
387                 → id="finishTime" required>
388         </div>
389     </div>
390     <div class="form-group">
391         <label class="font-weight-bold" for="startDate">Start
392             → Date</label><br>
393         <input type="date" class="form-control" name="startDate"
394             → id="startDate" required>
395     </div>
396     <div class="form-group">
397         <label class="font-weight-bold" for="comment">Note</label><br>
398         <label for="comment">Any special requirements you have, or topics
399             → you are specifically looking for help with.</label>
400         <textarea class="form-control" name="comment" id="comment" rows="5">
401             </textarea>
402     </div>
403     <div class="form-group row col-9 offset-3">
404         <div>
405             <input type="reset" value="Reset">
406         </div>
407         &nbsp;
408         <div>
409             <input type="submit" value="Submit">
410         </div>
411     </div>
412     </form>
413 </div>
414 <!-- Optional JavaScript -->
415 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
416 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
417     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
418     → CXaRkfj"
419     crossorigin="anonymous"></script>
420 <script
421     → src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
422     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
423     → xMfooAo"
424     crossorigin="anonymous"></script>
425 <script
426     → src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
427     integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
428     → /kROJKI"
429     crossorigin="anonymous"></script>
430 </body>
431 </html>
```

Welcome to Study Buddy Program!

Please complete the following registration to join the program

Personal Information

Student ID: 220570074

Title:	Mr.	First Name:	Yiyang	Surname:	Hou	Preferred Name if Any:
--------	-----	-------------	--------	----------	-----	------------------------

Date of Birth: 21/09/1991

Gender: Male

Deakin Email: houy@deakin.edu.au

Contact Number: 0488888888

Address:
Street Name and Number: 221 Burnside Hwy
City: Burwood
State: VIC
Postcode: 3125

Your Course and Units

Course: SIT744 Master of IT

Units offered:

<input checked="" type="checkbox"/> SIT771 Object-Oriented Development	<input type="checkbox"/> SIT772 Database and Information Retrieval
<input type="checkbox"/> SIT773 Software Requirements Analysis and Modelling	<input checked="" type="checkbox"/> SIT774 Web Technologies and Development
<input type="checkbox"/> SIT701 Enterprise Network Construction	<input type="checkbox"/> SIT702 Enterprise Network Management
<input type="checkbox"/> SIT716 Computer Networks and Security	<input type="checkbox"/> SIT718 Real World Analytics
<input type="checkbox"/> SIT719 Security and Privacy Issues in Analytics	<input type="checkbox"/> SIT720 Machine Learning
<input type="checkbox"/> SIT741 Statistical Data Analysis	<input type="checkbox"/> SIT742 Modern Data Science
<input type="checkbox"/> MST771 Descriptive Analytics and Visualisation	<input type="checkbox"/> SIT764 Team Project (A) - Project Management and Practice
<input type="checkbox"/> SIT782 Item Project (B) - Execution and Delivery	<input type="checkbox"/> SIT787 Mathematics for Artificial Intelligence
<input type="checkbox"/> SIT790 Major Thesis	<input type="checkbox"/> SIT791 Professional Practice
<input type="checkbox"/> SIT792 Minor Thesis	

Mode of Collaboration: In Person

Online: Geelong - Waurn Ponds, Geelong - Waterfronts, Melbourne - Burwood

Preferred Days and Time

Days that you are available: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Days that you are not available: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Preferred Times: Mornings, During the day, Evenings

Specific start time: 09:00 AM

Specific finish time: 11:30 AM

Start Date: 30/08/2023

Note: Any special requirements you have, or topics you are specifically looking for help with.

Reset Submit

Welcome to Study Buddy Program!

Please complete the following registration to join the program

Personal Information

Student ID: 220570074

Name: Title: Mr.
First Name: Yiyang
Surname: Hou
Preferred Name:

HTML Source View (Right Panel)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Study Buddy Program Registration</title>
  </head>
  <body>
    <h1>Welcome to Study Buddy Program!</h1>
    <p>Please complete the following registration to join the program</p>
    <h2>Personal Information</h2>
    <form>
      <label>Student ID:</label>
      <input type="text" value="220570074" />
      <label>Name:</label>
      <div>
        <label>Title:</label>
        <input type="text" value="Mr." />
        <label>First Name:</label>
        <input type="text" value="Yiyang" />
        <label>Surname:</label>
        <input type="text" value="Hou" />
        <label>Preferred Name:</label>
        <input type="text" />
      </div>
    </form>
  </body>
</html>
```

Contact Number: 0488888888

Address: Street Name and Number: 221 Burwood Hwy
City: Burwood
State: VIC
Postcode: 3125

Your Course and Units

Course: SIT34 Master of IT

Units(s):

- SIT771 Object-Oriented Development
- SIT772 Database and Information Retrieval
- SIT773 Software Requirements Analysis and Modelling
- SIT774 Web Technologies and Development
- SIT701 Enterprise Network

HTML Source View (Right Panel)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Study Buddy Program Registration</title>
  </head>
  <body>
    <h1>Welcome to Study Buddy Program!</h1>
    <p>Please complete the following registration to join the program</p>
    <h2>Personal Information</h2>
    <form>
      <label>Student ID:</label>
      <input type="text" value="220570074" />
      <label>Name:</label>
      <div>
        <label>Title:</label>
        <input type="text" value="Mr." />
        <label>First Name:</label>
        <input type="text" value="Yiyang" />
        <label>Surname:</label>
        <input type="text" value="Hou" />
        <label>Preferred Name:</label>
        <input type="text" />
      </div>
    </form>
    <h2>Your Course and Units</h2>
    <h3>Course</h3>
    <select>
      <option>SIT34 Master of IT</option>
    </select>
    <h3>Units(s)</h3>
    <ul style="list-style-type: none;">
      <li><input checked="" type="checkbox"/> SIT771 Object-Oriented Development</li>
      <li><input type="checkbox"/> SIT772 Database and Information Retrieval</li>
      <li><input type="checkbox"/> SIT773 Software Requirements Analysis and Modelling</li>
      <li><input checked="" type="checkbox"/> SIT774 Web Technologies and Development</li>
      <li><input type="checkbox"/> SIT701 Enterprise Network</li>
    </ul>
  </body>
</html>
```

Screenshot of a web browser showing the "Preferred Days and Time" section of a registration form. The page title is "Study Buddy Program Registration".

Geelong - Waterfronts

Melbourne - Bureood

Preferred Days and Time

Days that you are available

Monday Tuesday Wednesday
 Thursday Friday Saturday
 Sunday

Days that you are not available

Monday Tuesday Wednesday
 Thursday Friday Saturday
 Sunday

Preferred Times

Mornings During the day Evenings

Specific start time: 09:34 AM

Specific finish time: [dropdown menu]

The browser's developer tools are open, showing the DOM structure and styles for the "body" element.

Screenshot of a web browser showing the "Preferred Days and Time" section of a registration form. The page title is "Study Buddy Program Registration".

Monday **Tuesday** **Wednesday**

Thursday Friday Saturday

Sunday

Preferred Times

Mornings During the day Evenings

Specific start time: 09:34 AM

Specific finish time: 11:34 AM

Start Date: 23/08/2020

Note
Any special requirements you have, or topics you are specifically looking for help with:

[Text area]

[Reset] [Submit]

The browser's developer tools are open, showing the DOM structure and styles for the "body" element.

Study Buddy Program Registration

Welcome to Study Buddy Program!

Please complete the following registration to join the program

Personal Information

Student ID:
Enter your Deakin student ID here Please fill in this field.

Name:

Title	First Name	Middle Name	Surname	Preferred Name
<input type="text"/>				

Date of Birth:
 dd/mm/yyyy

Gender:
 Select one..

Deakin Email:
 username@deakin.edu.au

Contact Number:
 Mobile number

Address:
Street Name and Number
City State Postcode

Your Course and Units

Course:
 Select one..

Units:

<input type="checkbox"/> SIT7771 Object-Oriented Development <input type="checkbox"/> SIT7773 Software Requirements Analysis and Modelling <input type="checkbox"/> SIT701 Enterprise Network Construction <input type="checkbox"/> SIT716 Computer Networks and Security <input type="checkbox"/> SIT719 Security and Privacy Issues in Analytics <input type="checkbox"/> SIT741 Statistical Data Analysis	<input type="checkbox"/> SIT772 Database and Information Retrieval <input type="checkbox"/> SIT774 Web Technologies and Development <input type="checkbox"/> SIT702 Enterprise Network Management <input type="checkbox"/> SIT718 Real World Analytics <input type="checkbox"/> SIT720 Machine Learning <input type="checkbox"/> SIT742 Modern Data Science
---	--

18 Website project specification, design and draft pages

Consolidation of the skills you have learnt so far

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task fully targets on the option identification, the design and development of a client-side application.

Outcome	Weight
Web Service Design and Implementation	◆◆◇◇◇

This task fully targets on the option identification, the design and development of a client-side application.

Outcome	Weight
Option Identification and Application Deployment	◆◆◆◆◆

This task fully targets on the option identification, the design and development of a client-side application.

Outcome	Weight
Achieved Outcome Justification	◆◆◆◆◆

This task fully targets on the option identification, the design and development of a client-side application.

Date	Author	Comment
2020/08/28 17:06	Yiyang Hou	Can I have more time to work on these tasks, please
2020/09/04 18:00	Yiyang Hou	Ready to Mark
2020/09/09 10:05	Michael Hobbs	Hi Yiyang. Thanks for the submission.
2020/09/09 10:05	Michael Hobbs	You have made a good start with this design of your site. It has a clean and uncluttered layout.
2020/09/09 10:07	Michael Hobbs	One query... In your wireframe (and prototypes) you have two navigation bars. The top includes the _about Us_, _Support_, _Contact_ and _Login_. While the second just under the main banner section, has _Home_, Product Cat 1_ and _Prod Cat 2_. What functionality do you intend the 2nd nav bar to do? Is there a better/clearer way of presenting this to the user?
2020/09/09 10:07	Michael Hobbs	Also, your banner takes up a lot of the screen _area_, with the search field taking most of this. Is there a rearrangement you could do here to give the main body/content a little more space? (Just thinking aloud)
2020/09/09 10:10	Michael Hobbs	Complete
2020/09/09 10:10	Yiyang Hou	Thanks a lot for your feedback, Mick! My proposed website is designed for a frictional online retail business, therefore I got the inspiration from various online stores or online service sites, what I'd observed is that they tend to categorize their catalogue fairly well and put them in an outstanding spot to enable the ordinary users to quickly pinpoint their desired items. Hence I have a larger more outstanding navigation section for different categories of items under the banner, so even a first time user can explore the catalogue efficiently without searching for keywords. As for the top nav section, that part is used less frequently and more for loyal users (members, etc) or some users with specific requirements other than shopping, ie. making contact or support acquisition. I adopted this kind of structure because it seems like a conventional approach for majority of online stores and I personally feel it is quite natural for every user.
2020/09/09 18:46	Yiyang Hou	I do agree the main banner does take too much space than it should. I put it like this is only because I don't really have much main content at this stage and I want to fill the display window up a little more. With sufficient content, the main banner and social media section will be scaled down to an appropriate proportion to the main content.
2020/09/09 18:51	Yiyang Hou	

Website project specification, design and draft pages

Submitted By:

Yiyang HOU
houyiy
2020/09/04 18:00

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Web Service Design and Implementation	♦♦◊◊◊
Option Identification and Application Deployment	♦♦♦♦♦
Achieved Outcome Justification	♦♦♦♦♦

This task fully targets on the option identification, the design and development of a client-side application.

September 4, 2020



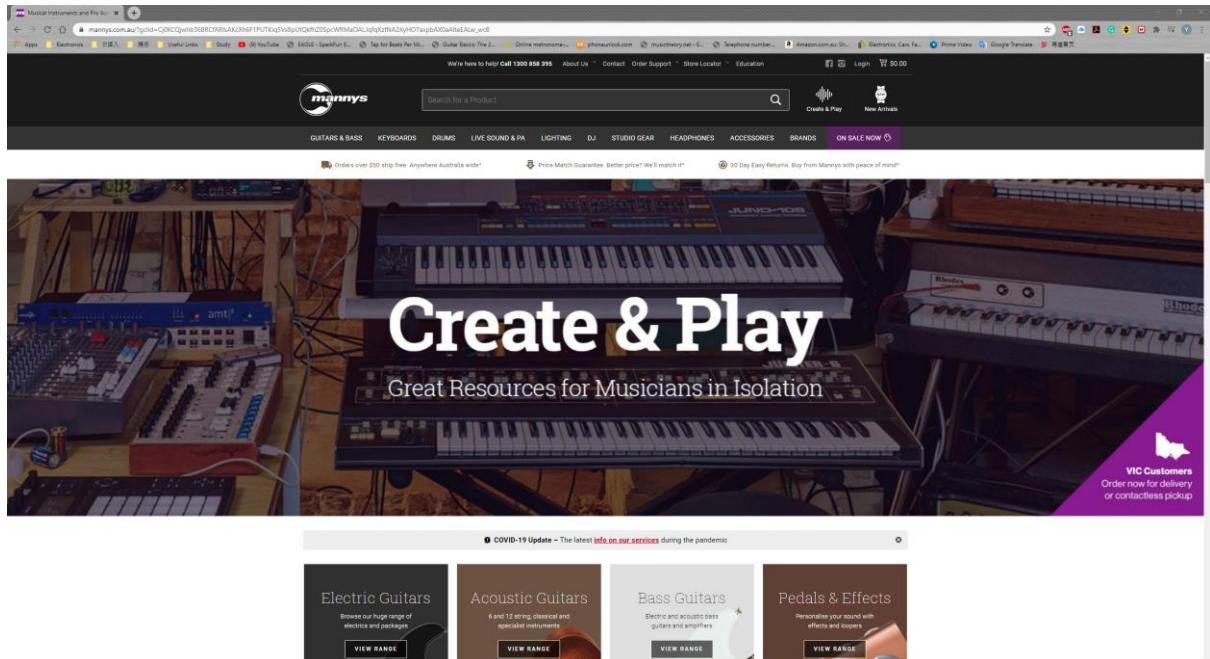
Website Design

Inspirational Websites:

I am taking these three websites for inspirations towards my own design:

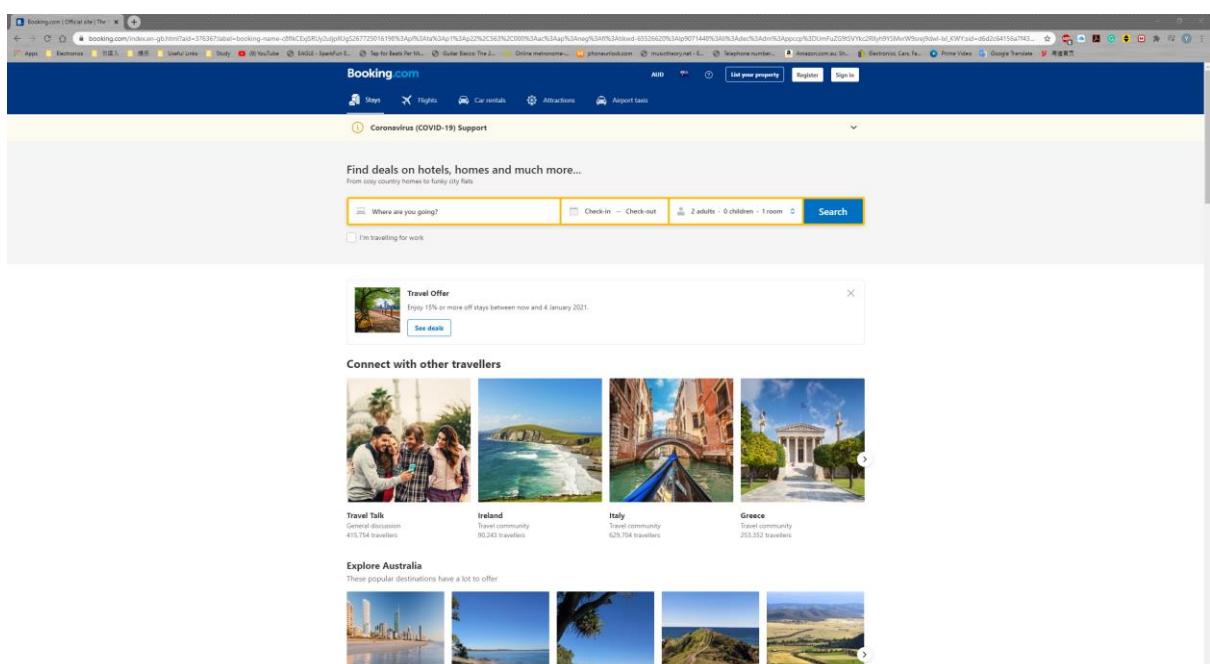
Mannys Music:

<https://www.mannys.com.au/>



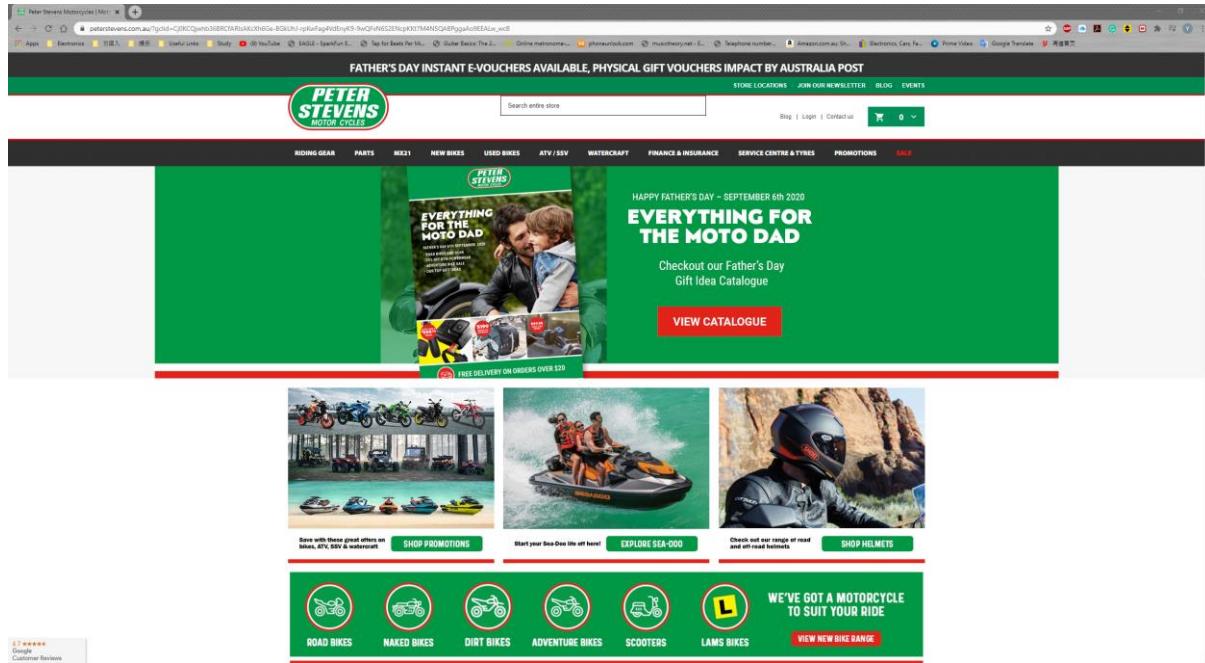
Bookings:

<https://www.booking.com/>



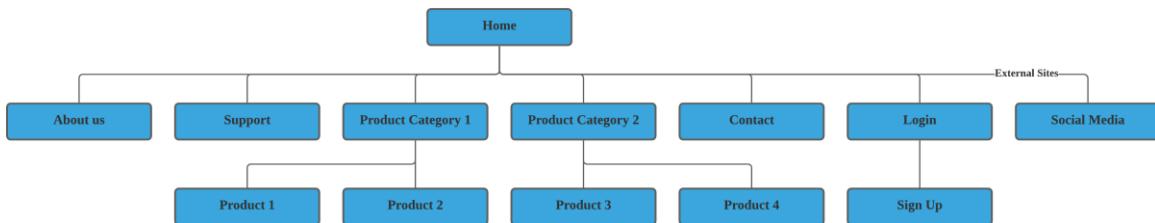
Peter Stevens Motorcycle:

<https://www.peterstevens.com.au/>

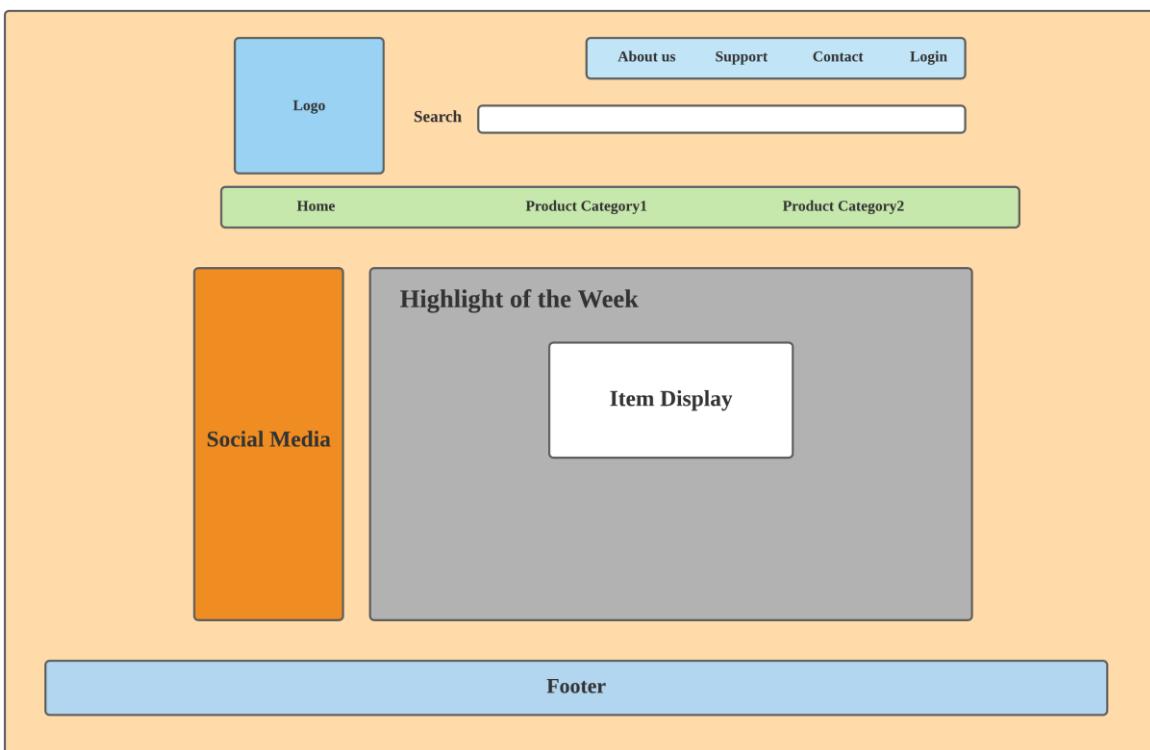


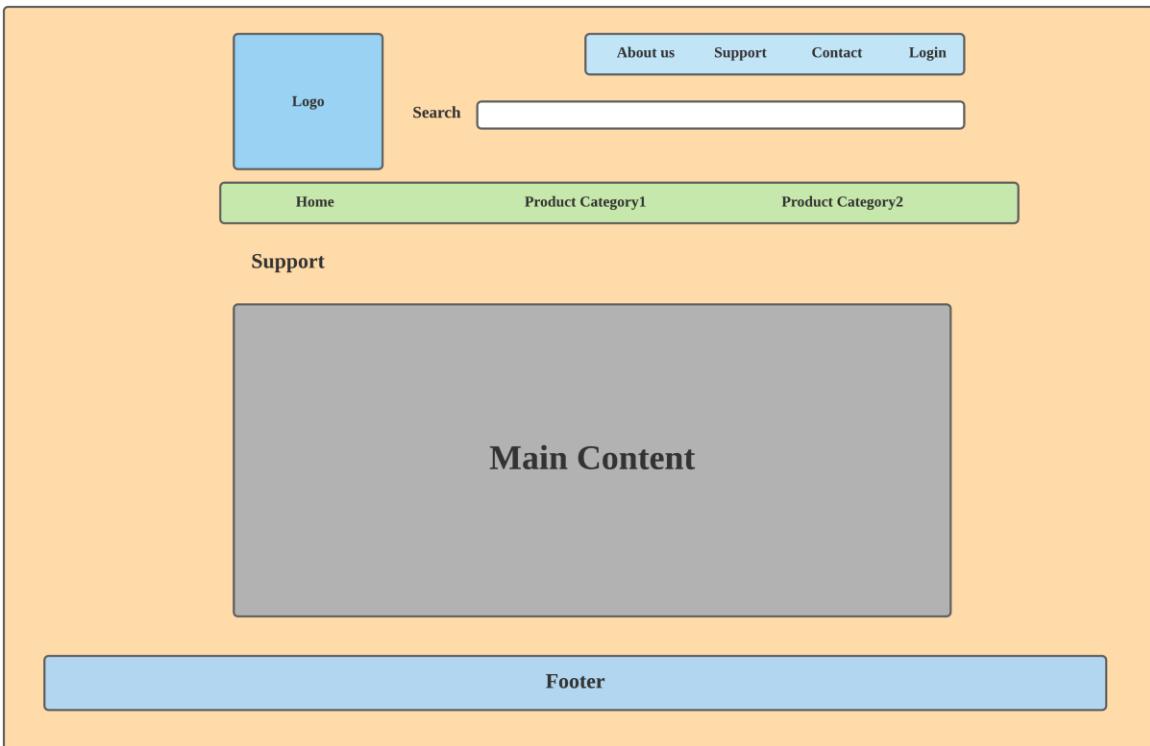
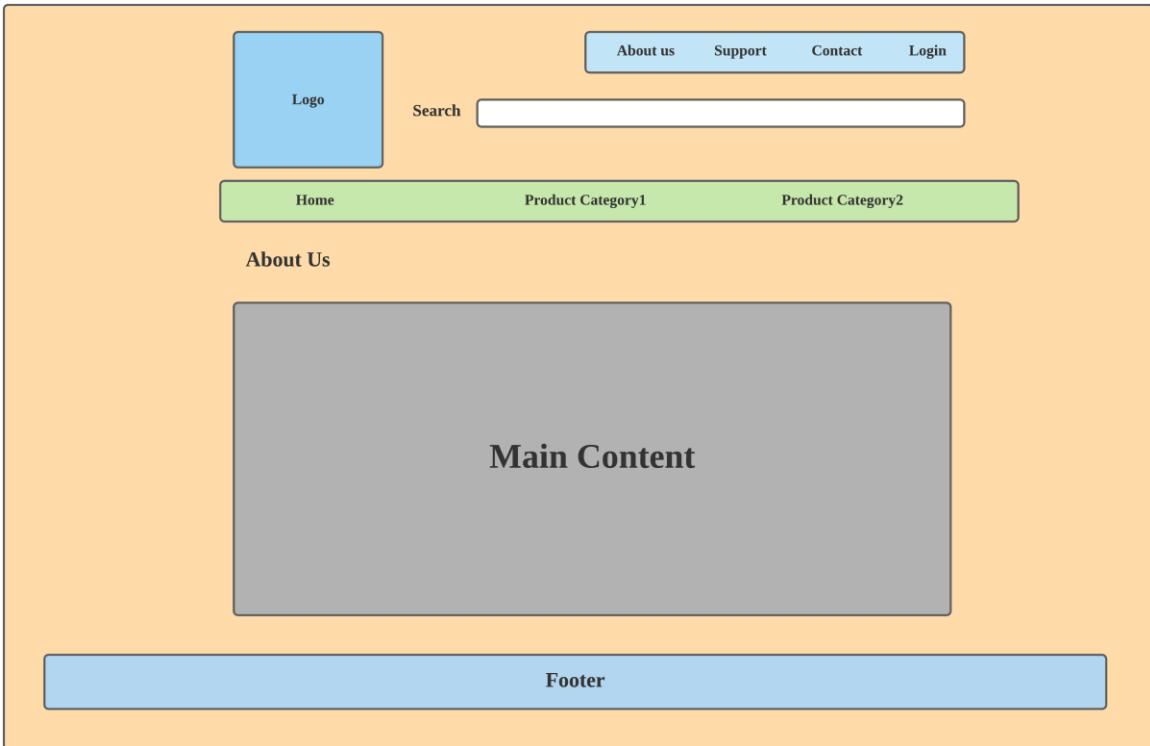
These websites are for retail and service business, therefore feature wise, all of them emphasize their searching feature by putting the search box at the top of the page, which users will feel convenient. In terms of layout, they put the navigation bar at the similar and familiar spot, so users can easily identify it which I believe that I should also follow in my own design as this is intuitive and conventional for most users. They also neatly arrange all the images, so they look organised and appealing. As for the style, all these websites put their logos and brandings right at the top, which makes it outstanding and all these sites have their own distinguishing theme colour that represents their business. This gives the users an impression that the business is genuine and the web page is professionally designed.

Site Map:



Wireframe:





Logo

About us Support Contact Login

Search

Home Product Category1 Product Category2

Contact

Contact Details

Name:

Email:

Subject:

Message:

Submit Reset

Footer

Logo

About us Support Contact Login

Search

Home Product Category1 Product Category2

Login

Username:

Password:

Login Sign Up

Footer

Logo

About us Support Contact Login

Search

Home Product Category1 Product Category2

Sign up

Username:

Password:

Re-enter Password:

Email:

Sign up **Reset**

Footer

Logo

About us Support Contact Login

Search

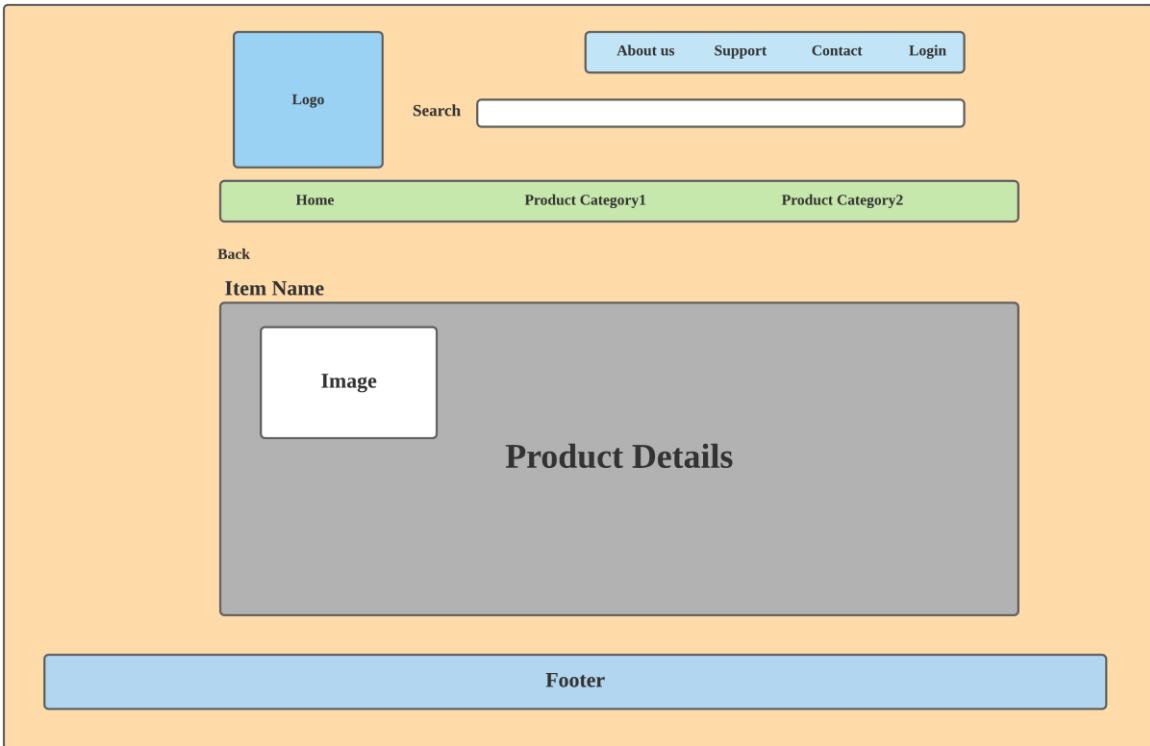
Home Product Category1 Product Category2

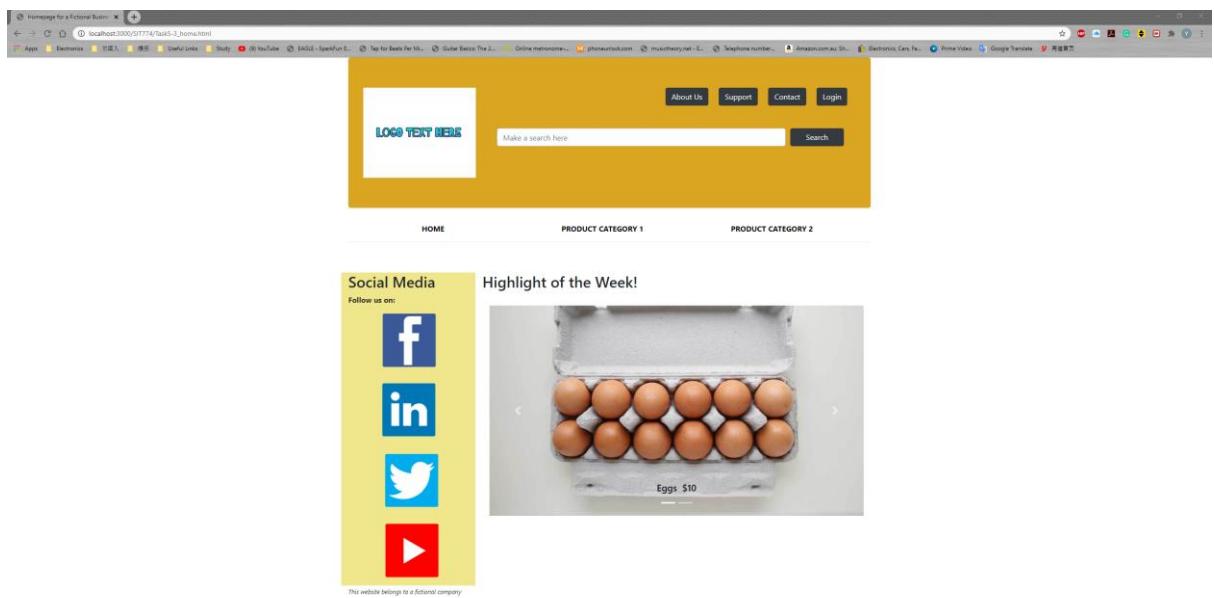
Product Category

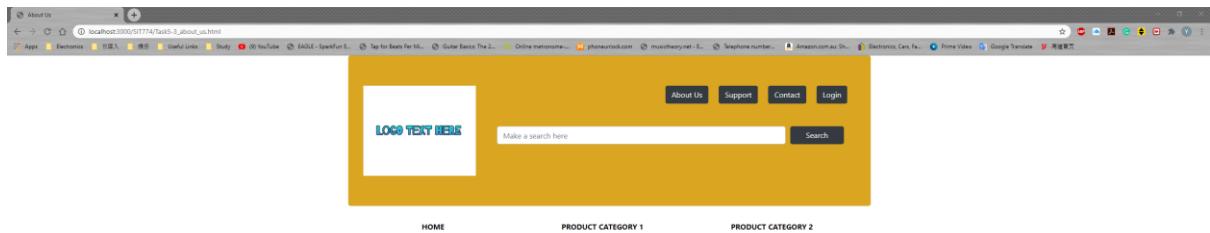
Item Display Item Display Item Display Item Display

Product List

Footer



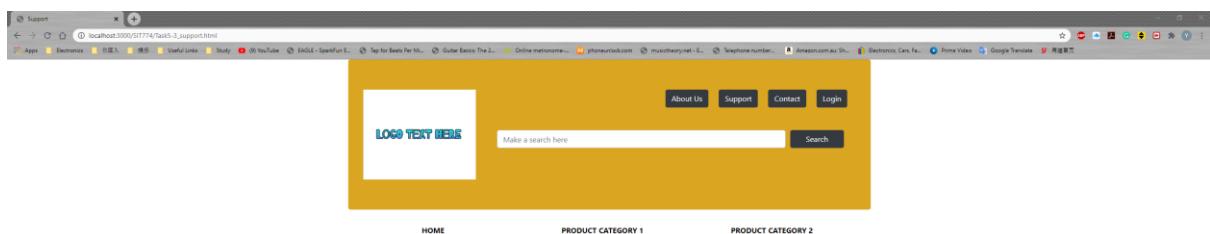




About us

Company introduction is placed here.

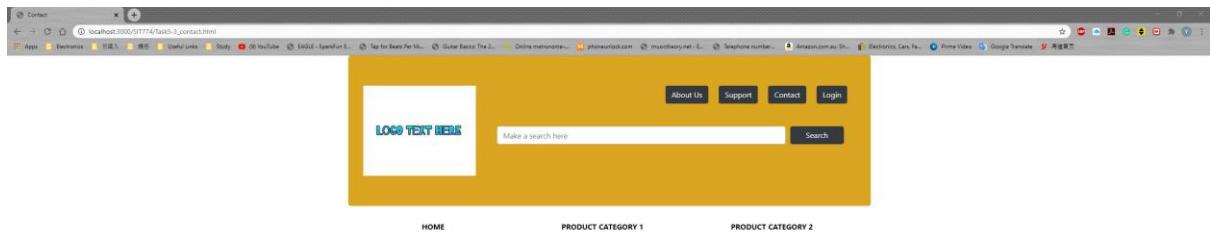
This website belongs to a fictional company



Support

Support terms are placed here.

This website belongs to a fictional company



Please fill out the form to send us a message:

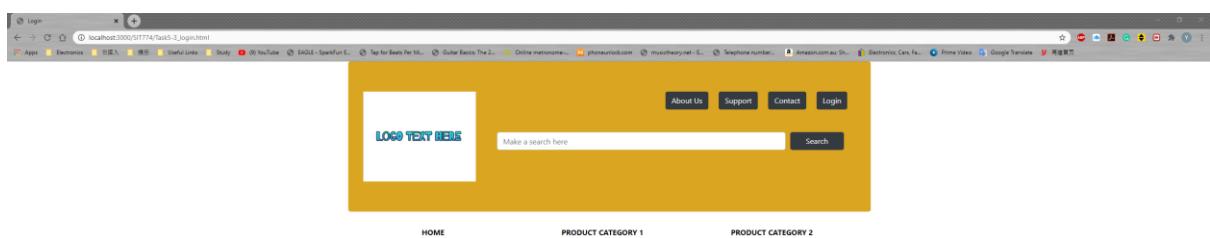
Name:

Email:

Subject:

Message:

This website belongs to a fictional company



Login

Username:

Password:

Not a member? [Sign up here](#)

This website belongs to a fictional company

Sign Up

localhost:3000:57774/task3-sign_up.html

App Electronics 退出 Useful Links Study YouTube EAGLE-SparkFun... Tap for Beats Per Min... Guitar Basics The 2... Online metronome... phoneunlock.com musictheory.net... Telephone number... Amazon.com.au Sh... Electronics, Cars, Fa... Prime Video Google Translate

LOGO TEXT HERE

About Us Support Contact Login

Make a search here Search

HOME PRODUCT CATEGORY 1 PRODUCT CATEGORY 2

Sign up

Username:

Password:

Password: Please Repeat Your Password

Email:

This website belongs to a fictional company

Product Category 1

localhost:3000:57774/task3_product_cat1.html

App Electronics 退出 Useful Links Study YouTube EAGLE-SparkFun... Tap for Beats Per Min... Guitar Basics The 2... Online metronome... phoneunlock.com musictheory.net... Telephone number... Amazon.com.au Sh... Electronics, Cars, Fa... Prime Video Google Translate

LOGO TEXT HERE

About Us Support Contact Login

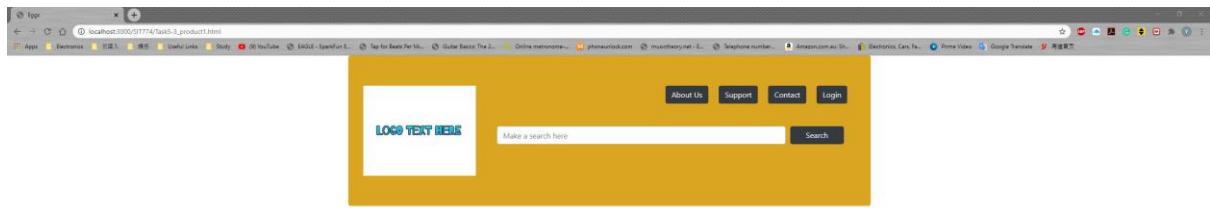
Make a search here Search

HOME PRODUCT CATEGORY 1 PRODUCT CATEGORY 2

Product Category 1


Eggs \$10

This website belongs to a fictional company



HOME PRODUCT CATEGORY 1 PRODUCT CATEGORY 2

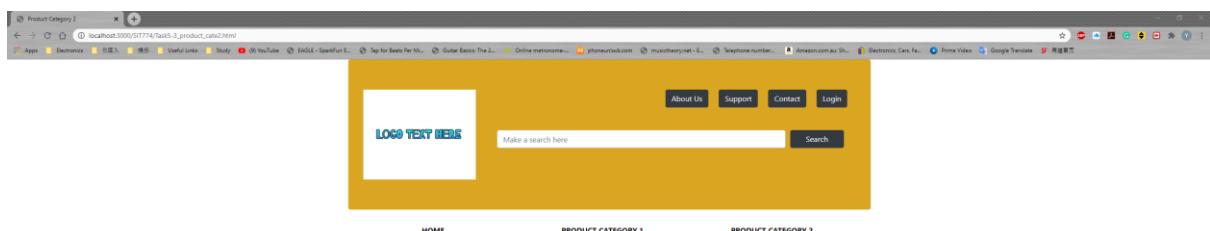
[Back to Category 1](#)

Eggs



It's good for you!

This website belongs to a fictional company



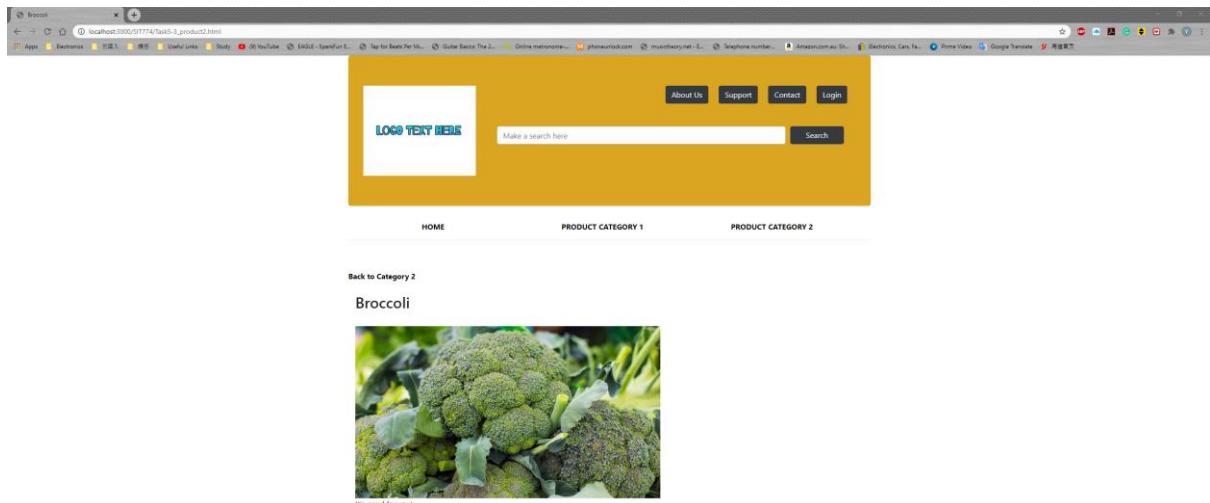
HOME PRODUCT CATEGORY 1 PRODUCT CATEGORY 2

Product Category 2



Broccoli \$10

This website belongs to a fictional company



This website belongs to a fictional company

```
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Homepage for a Fictional Business</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Homepage for a Fictional Business">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
              integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">
</head>

<body>
    <div class="container">
        <!-- Header part of the page within jumbotron -->
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <!-- Some navigation options at the top -->
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                <br>
                <br>
                <br>
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10">
                            <input type="text" class="form-control" name="searchbox" id="searchbox"
                                  placeholder="Make a search here">
                        </div>
                    </div>
                </form>
            </div>
        </div>
    </div>
</body>
```

```

                </div>
            <div class="col-md-2 font-weight-bold">
                <input type="submit" class="form-control btn btn-dark" value="Search">
            </div>
        </div>
    </div>
<!-- Navigation of the site -->
<nav>
    <div class="row container">
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_home.html" role="button" style="color: black;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</a>
        </div>
    </div>
</nav>
<hr style="height: 3em;">
<div class="row">
    <!-- Social Media Section -->
    <div class="col-md-3" style="background-color: khaki;">
        <h2>Social Media</h2>
        <b>Follow us on:</b>
        <a href="https://www.facebook.com"></a>
        <a href="https://www.linkedin.com"></a>
        <a href="https://www.twitter.com"></a>
        <a href="https://www.youtube.com"></a>
    </div>
    <div class="col-md-9">
        <!-- Homepage Content Section -->
        <h2>Highlight of the Week!</h2>
        <br>

```

```
<div class="container">
    <div id="newCarousel" class="carousel slide" data-
ride="carousel">
        <!--Indicators-->
        <ol class="carousel-indicators">
            <li data-target="#newCarousel" data-slide-
to="0" class="active"></li>
            <li data-target="#newCarousel" data-slide-
to="1"></li>
        </ol>
        <!-- Wrapper for slides -->
        <div class="carousel-inner">
            <div class="carousel-item active">
                <a href="Task5-
3_product1.html" style="color: black;">
                    
                    <div class="carousel-caption font-weight-
bold">
                        <h5 style="color: black;">
                            Eggs &$10
                        </h5>
                    </div>
                </a>
            </div>
            <div class="carousel-item">
                <a href="Task5-
3_product2.html" style="color: black;">
                    
                    <div class="carousel-caption font-weight-
bold">
                        <h5>
                            Broccoli &$10
                        </h5>
                    </div>
                </a>
            </div>
        <!-- Left and right controls -->
        <a class="carousel-control-
prev" href="#newCarousel" data-slide="prev">
            <span class="carousel-control-prev-icon"></span>
            <span class="sr-only">Previous</span>
        </a>
        <a class="carousel-control-
next" href="#newCarousel" data-slide="next">
            <span class="carousel-control-next-icon"></span>

```

```

        <span class="sr-only">Next</span>
    </a>
</div>
</div>
</div>
<!-- footer -->
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBN+E+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UVYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>About Us</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="About Us">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
```

```
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxXfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                    <br>
                    <br>
                    <br>
                    <form>
                        <div class="form-row container">
                            <div class="col-md-10">
                                <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                       placeholder="Make a search here">
                            </div>
                            <div class="col-md-2 font-weight-bold">
                                <input type="submit" class="form-
control btn btn-dark" value="Search">
                            </div>
                        </div>
                    </form>
                </div>
            </div>
        <nav>
            <div class="row container">
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
                </div>
                <div class="col-md-4 font-weight-bold text-center">
```

```

        <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
    </div>
    <div class="col-md-4 font-weight-bold text-center">
        <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</
a>
    </div>
</nav>
<hr style="height: 3em;">
<div class="container">
    <h2>About us</h2>
    <p>
        Company introduction is placed here.<br><br><br><br><br><b
r><br><br><br>
    </p>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small
>
    </footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper
.min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap
.min.js"
    integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

```

```

<!-- Here is the head element-->

<head>
    <title>Support</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Support">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
            integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                    <br>
                    <br>
                    <br>
                    <form>
                        <div class="form-row container">
                            <div class="col-md-10">
                                <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                    placeholder="Make a search here">
                            </div>
                            <div class="col-md-2 font-weight-bold">
                                <input type="submit" class="form-
control btn btn-dark" value="Search">
                            </div>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </div>
</body>

```

```

                </form>
            </div>
        </div>
    <nav>
        <div class="row container">
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2<
/a>
            </div>
        </nav>
        <hr style="height: 3em;">
        <div class="container">
            <h2>Support</h2>
            <p>
                Support terms are placed here.<br><br><br><br><br><br><br>
<br><br>
            </p>
        </div>
        <footer>
            <small><i> This website belongs to a fictional company</i></small
>
        </footer>
    </div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
        integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
        crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous"></script>

```

```

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
        integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous"></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Contact</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Contact">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
          integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &nbsp; &nbsp;
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &nbsp; &nbsp;
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &nbsp; &nbsp;
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &nbsp; &nbsp;
                    <br>
                    <br>
                    <br>
                </div>
            </div>
        </div>
    </div>
</body>
```

```

<form>
    <div class="form-row container">
        <div class="col-md-10">
            <input type="text" class="form-control" name="searchbox" id="searchbox"
                   placeholder="Make a search here">
        </div>
        <div class="col-md-2 font-weight-bold">
            <input type="submit" class="form-control btn btn-dark" value="Search">
        </div>
    </div>
</div>
<nav>
    <div class="row container">
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_home.html" role="button" style="color: black;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_product_cate1.html" role="button" style="color: black;">PRODUCT CATEGORY 1</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</a>
        </div>
    </div>
</nav>
<hr style="height: 3em;">
<div class="container">
    <h2>Contact</h2>
    <p>
        Company contact details are placed here.<br><br><br><br><br><br>
    </p>
    <!-- Contact Form-->
    <h3>Please fill out the form to send us a message:</h3>
    <br>
    <form>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="name">Name:</label>

```

```
        <div class="col-md-9 col-8">
            <input type="text" class="form-control" name="name" id="name" placeholder="Your Name" required>
        </div>
    </div>
    <div class="form-group row">
        <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="email">Email:</label>
        <div class="col-md-9 col-8">
            <input type="email" class="form-control" name="email" id="email" placeholder="Enter Email" required>
        </div>
    </div>
    <div class="form-group row">
        <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="subject">Subject:</label>
        <div class="col-md-9 col-8">
            <input type="text" class="form-control" name="subject" id="subject" placeholder="Subject of the Message" required>
        </div>
    </div>
    <div class="form-group row">
        <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="message">Message:</label>
        <div class="col-md-9 col-8">
            <textarea class="form-control" name="message" id="message" rows="5">
            </textarea>
        </div>
    </div>
    <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
        <div>
            <input type="submit" value="Submit">
        </div>
        &nbsp;
        <div>
            <input type="reset" value="Reset">
        </div>
    </div>
</form>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
```

```

        </div>

        <!-- Optional JavaScript -->
        <!-- jQuery first, then Popper.js, then Bootstrap JS -->
        <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
            integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
            crossorigin="anonymous"></script>
        <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
            integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
            crossorigin="anonymous"></script>
        <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
            integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
            crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Login</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Login">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
            integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    

```

```

        </div>
    <div class="col-md-9 text-right font-weight-bold">
        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
        <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
        <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
        <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
        <br>
        <br>
        <br>
        <form>
            <div class="form-row container">
                <div class="col-md-10">
                    <input type="text" class="form-
control" name="searchbox" id="searchbox"
                           placeholder="Make a search here">
                </div>
                <div class="col-md-2 font-weight-bold">
                    <input type="submit" class="form-
control btn btn-dark" value="Search">
                </div>
            </div>
        </form>
    </div>
</div>
<nav>
    <div class="row container">
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate2.html " role="button" style="color: black;">PRODUCT CATEGORY 2</a>
        </div>
    </div>
</nav>
<hr style="height: 3em;">

```

```
<div class="container">
    <!-- Login -->
    <h2>Login</h2>
    <form>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="username">Username:</label>
            <div class="col-md-9 col-8">
                <input type="text" class="form-control" name="username" id="username" required>
            </div>
        </div>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password">Password:</label>
            <div class="col-md-9 col-8">
                <input type="password" class="form-control" name="password" id="password" required>
            </div>
        </div>
        <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
            <div>
                <input type="submit" value="Login">
            </div>
        </div>
        <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
            <div>
                <a href="Task5-3_sign_up.html" role="button">Not a member? Sign up here</a>
            </div>
        </div>
    </form>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
```

```

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
       integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
       crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
       integrity="sha384-sh0qo9x+eJL2o/ZI6Tqk1Zu+Fgq+u7ZLHvZlNQgj9WZPcZ0OjZjImSd+oDZJLj"
       crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Sign Up</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Sign up">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
              integrity="sha384-sh0qo9x+eJL2o/ZI6Tqk1Zu+Fgq+u7ZLHvZlNQgj9WZPcZ0OjZjImSd+oDZJLj"
              crossorigin="anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                </div>
            </div>
        </div>
    </div>
</body>

```

```
<a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
<br>
<br>
<br>
<form>
    <div class="form-row container">
        <div class="col-md-10">
            <input type="text" class="form-
control" name="searchbox" id="searchbox"
                placeholder="Make a search here">
        </div>
        <div class="col-md-2 font-weight-bold">
            <input type="submit" class="form-
control btn btn-dark" value="Search">
        </div>
    </div>
</form>
</div>
</div>
<nav>
    <div class="row container">
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</a>
        </div>
    </div>
</nav>
<hr style="height: 3em;">
<div class="container">
    <!-- Sign Up -->
    <h2>Sign up</h2>
    <form>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="username">Username:</label>
            <div class="col-md-9 col-8">
```

```
        <input type="text" class="form-control" name="username" id="username" required>
            </div>
        </div>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password">Password:</label>
            <div class="col-md-9 col-8">
                <input type="password" class="form-control" name="password" id="password" required>
            </div>
        </div>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password2">Password:</label>
            <div class="col-md-9 col-8">
                <input type="password" class="form-control" name="password2" id="password2" placeholder="Please Repeat Your Password" required>
            </div>
        </div>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="email">Email:</label>
            <div class="col-md-9 col-8">
                <input type="email" class="form-control" name="email" id="email" required>
            </div>
        </div>
        <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
            <div>
                <input type="submit" value="Sign Up">
            </div>
            &nbsp;
            <div>
                <input type="reset" value="Reset">
            </div>
        </div>
    </form>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

<!-- Optional JavaScript -->
```

```

<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
       integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
       crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
       integrity="sha384-"
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
       crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
       integrity="sha384-"
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
       crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Product Category 1</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Product Category 1">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
              integrity="sha384-"
9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">

```

```

        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
            <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                        <br>
                        <br>
                        <br>
                        <form>
                            <div class="form-row container">
                                <div class="col-md-10">
                                    <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                        placeholder="Make a search here">
                                </div>
                                <div class="col-md-2 font-weight-bold">
                                    <input type="submit" class="form-
control btn btn-dark" value="Search">
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            <nav>
                <div class="row container">
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_product_cate2.html " role="button" style="color: black;">PRODUCT CATEGORY 2<
/a>
                    </div>
                </nav>
                <hr style="height: 3em;">
                <div class="container">
                    <h2>Product Category 1</h2>

```

```

<p>
<br>
<!--Prospective Item List -->
<div class="row container">
    <div class="card text-center bg-light col-md-3">
        <a href="Task5-3_product1.html" style="color: black;">
            
            <div class="card-body">
                <h5 class="card-title">
                    Eggs &$10
                </h5>
            </div>
        </a>
    </div>
    <br><br><br><br><br><br><br><br><br>
</p>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
    integrity="sha384-"
    crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

```

```
<head>
    <title>Product Category 2</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Product Category 2">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
            integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                    <br>
                    <br>
                    <br>
                    <form>
                        <div class="form-row container">
                            <div class="col-md-10">
                                <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                        placeholder="Make a search here">
                            </div>
                            <div class="col-md-2 font-weight-bold">
                                <input type="submit" class="form-
control btn btn-dark" value="Search">
                            </div>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </div>
```

```

        </div>
    </div>
</div>
<nav>
    <div class="row container">
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</
a>
        </div>
    </div>
</nav>
<hr style="height: 3em;">
<div class="container">
    <h2>Product Category 2</h2>
    <p>
        <br>
        <!--Prospective Item List -->
    <div class="row container">
        <div class="card text-center bg-light col-md-3">
            <a href="Task5-3_product2.html" style="color: black;">
                
                <div class="card-body">
                    <h5 class="card-title">
                        Broccoli &$10
                    </h5>
                </div>
            </a>
        </div>
    </div>
    <br><br><br><br><br><br><br><br><br>
    </p>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

```

```

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
       integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zY4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
       crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
       integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
       crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
       integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UVYjZE3Ipu6Tp75j7Bh/kR0JKI"
       crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Eggs</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Eggs">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
              integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFFc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                </div>
                <div class="col-md-9 text-right font-weight-bold">

```

```
        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
            <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                        <br>
                        <br>
                        <br>
                        <form>
                            <div class="form-row container">
                                <div class="col-md-10">
                                    <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                        placeholder="Make a search here">
                                </div>
                                <div class="col-md-2 font-weight-bold">
                                    <input type="submit" class="form-
control btn btn-dark" value="Search">
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            <nav>
                <div class="row container">
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</
a>
                    </div>
                </div>
                <hr style="height: 1em;">
                <div class="font-weight-bold text-left">
```

```

        <a href="Task5-
3_product_cate1.html" role="button" style="color: black;">Back to Category 1<
/a>
    </div>
    <br>
    <!--Prospective Item Detail Section -->
    <div class="container">
        <h2>Eggs</h2>
        <br>
        <p>
            <br>
            It's good for you!<br><br><br><br><br><br><br><br><br>
        </p>
    </div>
    <footer>
        <small><i> This website belongs to a fictional company</i></small>
    </footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBrE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

    <!-- Here is the head element-->

    <head>
        <title>Broccoli</title>
        <meta name="author" content="Yiyang Hou">
```

```
<meta name="description" content="Broccoli">
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
</head>

<body>
    <div class="container">
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="row">
                <div class="col-md-3">
                    
                <div class="col-md-9 text-right font-weight-bold">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a> &ampnbsp &ampnbsp
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a> &ampnbsp &ampnbsp
                    <br>
                    <br>
                    <br>
                    <form>
                        <div class="form-row container">
                            <div class="col-md-10">
                                <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                       placeholder="Make a search here">
                            </div>
                            <div class="col-md-2 font-weight-bold">
                                <input type="submit" class="form-
control btn btn-dark" value="Search">
                            </div>
                        </div>
                    </form>
                </div>
            </div>
        </div>
        <nav>
```

```

<div class="row container">
    <div class="col-md-4 font-weight-bold text-center">
        <a href="Task5-
3_home.html" role="button" style="color: black;">HOME</a>
    </div>
    <div class="col-md-4 font-weight-bold text-center">
        <a href="Task5-
3_product_cate1.html " role="button" style="color: black;">PRODUCT CATEGORY 1<
/a>
    </div>
    <div class="col-md-4 font-weight-bold text-center">
        <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">PRODUCT CATEGORY 2</
a>
    </div>
</div>
<hr style="height: 3em;">
<div class="font-weight-bold text-left">
    <a href="Task5-
3_product_cate2.html" role="button" style="color: black;">Back to Category 2<
/a>
</div>
<br>
<!--Prospective Item Detail Section -->
<div class="container">
    <h2>Broccoli</h2>
    <br>
    <p>
        
<br>
        It's good for you!<br><br><br><br><br><br><br><br><br><br><br>
    </p>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small
>
</footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zY4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper
.min.js">
```

```
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous">></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
        integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous">></script>
</body>

</html>
```

19 Jumpstart JavaScript

Learn about JavaScript

Outcome	Weight
Explain Web Technologies	◆◆◆◇◇

This task demonstrates the explanation of web technologies as well as the design and development of the client-side application.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task demonstrates the explanation of web technologies as well as the design and development of the client-side application.

Date	Author	Comment
2020/09/04 00:36	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/11 17:26	Yiyang Hou	Ready to Mark
2020/09/12 10:04	Michael Hobbs	OK... good work.
2020/09/12 10:05	Michael Hobbs	It is possible to combine the JS code into one loop.... which makes it a little easier to read.
2020/09/12 10:05	Michael Hobbs	Complete

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Jumpstart JavaScript

Submitted By:

Yiyang HOU
houyiy
2020/09/11 17:26

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the explanation of web technologies as well as the design and development of the client-side application.

September 11, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Bootstrap Example</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Bootstrap Example">
10  <meta charset="utf-8">
11  <meta name="viewport" content="width=device-width, initial-scale=1,
12    → shrink-to-fit=no">
13  <!-- Latest compiled and minified CSS -->
14  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15    → /css/bootstrap.min.css"
16      integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17      → dKGj7Sk"
18      → crossorigin="anonymous">
19 </head>
20
21 <body>
22   <div class="container-fluid">
23     <h1>Air Temperature Log</h1><br>
24     <h2>Temperature Data</h2>
25     <p>Below is a list of 2-hourly temperature readings (in degrees celcius °C)
26       → for the <i>Alice Springs Airport(NT)</i>,
27       over one day period this month.</p>
28     <p id="list"></p>
29     <script>
30       var temperature, outputText, listLength, i;
31       temperature = [5.23, 8.60, 13.35, 15.68, 15.40, 13.70, 11.10, 5.35,
32         → 3.05, 3.13, 4.30, 6.30];
33       listLength = temperature.length;
34       outputText = "<ul>";
35       for (i = 0; i < listLength; i++) {
36         outputText += "<li>" + temperature[i].toFixed(2) + "</li>";
37       }
38       outputText += "</ul>";
39       document.getElementById("list").innerHTML = outputText;
40     </script>
41     <h2>Temperature Summary Data</h2>
42     <p>Following are the calculated <i>average / minimum / maximum</i>
43       → tempertrues from the input data:</p>
44     <p id=summary></p>
45     <script>
46       var average, minimum, maximum, sum, summary;
47       minimum = temperature[0];
48       maximum = temperature[0];
49       sum = 0;
50       for (i = 0; i < listLength; i++) {
51         sum += temperature[i];
52         if (temperature[i] < minimum) {
53           minimum = temperature[i];
54         }
55       }
56       average = sum / listLength;
57       maximum = temperature[listLength - 1];
58       summary = "Average: " + average + ", Minimum: " + minimum + ", Maximum: " + maximum;
59     </script>
```

```
47         }
48         if (temperature[i] > maximum) {
49             maximum = temperature[i];
50         }
51     }
52     average = sum / listLength;
53     summary = "<ul>" + "<li>" + "the AVERAGE temperature for the day was:
54         ↵ <strong>" + average.toFixed(2) + "°C</strong></li>" + "<li>" + "the
55         ↵ MINIMUM temperature for the day was: <strong>" + minimum.toFixed(2)
56         ↵ + "°C</strong></li>" + "<li>" + "the MAXIMUM temperature for the
57         ↵ day was: <strong>" + maximum.toFixed(2) + "°C</strong></li>" +
58         ↵ "</ul>";
59     document.getElementById("summary").innerHTML = summary;
60   
```

</script>

```
61 </div>
62 <!-- Optional JavaScript -->
63 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
64 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
65     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
66     ↵ CXaRkfj"
67     crossorigin="anonymous"></script>
68 <script
69     ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
70     ↵ integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
71     ↵ xMfooAo"
72     ↵ crossorigin="anonymous"></script>
73 <script
74     ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
75     ↵ integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
76     ↵ /kROJKI"
77     ↵ crossorigin="anonymous"></script>
78 </body>
79
80 </html>
```

The screenshot shows a web browser window with the title "Bootstrap Example" and the URL "localhost:3000/517774/tasks6-1.html". The page content is titled "Air Temperature Log". It contains two sections: "Temperature Data" and "Temperature Summary Data".

Temperature Data

Below is a list of 2-hourly temperature readings (in degrees celcius °C) for the Alice Springs Airport/HF, over one day period this month.

- 5.23
- 8.60
- 13.35
- 15.68
- 15.40
- 12.70
- 11.10
- 5.35
- 3.05
- 3.13
- 4.30
- 6.30

Temperature Summary Data

Following are the calculated average / minimum / maximum temperatures from the input data:

- the AVERAGE temperature for the day was: **8.77°C**
- the MINIMUM temperature for the day was: **3.05°C**
- the MAXIMUM temperature for the day was: **15.68°C**

20 JavaScript loop

Looping with JavaScript

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

Date	Author	Comment
2020/09/04 00:36	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/11 19:20	Yiyang Hou	Ready to Mark
2020/09/12 10:06	Michael Hobbs	OK... this works.... but the way you have done the _condition check_ in the inner loop is a little difficult to follow.... Consider re-writing this to make it clearer.
2020/09/12 10:06	Michael Hobbs	Complete

JavaScript loop

Submitted By:

Yiyang HOU
houyiy
2020/09/11 19:20

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

September 11, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Bootstrap Example</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Bootstrap Example">
10  <meta charset="utf-8">
11  <meta name="viewport" content="width=device-width, initial-scale=1,
12    → shrink-to-fit=no">
13  <!-- Latest compiled and minified CSS -->
14  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15    → /css/bootstrap.min.css"
16      integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17        → dKGj7Sk"
18        → crossorigin="anonymous">
19 </head>
20
21 <body>
22   <div class="container-fluid">
23     <h1>JavaScript Generated Table</h1>
24     <h2>Multiplication Table</h2>
25     <p>Below is a table showing the multiplication equations from numbers
26       → <b>1</b> to <b>10</b>. It also has the
27       cells in which the <i>multiplicand</i> and <i>multiplier</i>
28         → highlighted blue (or in Bootstrap terms using
29           the <span style="color: hotpink;">class="bg-info"</span>).</p>
30   <p id="table"></p>
31   <script>
32     var firstNumber, secondNumber, product, output, sum;
33     output = "<table class='table table-bordered'>";
34     product = 0;
35     sum = 0;
36     for (firstNumber = 1; firstNumber <= 10; firstNumber++) {
37       sum = firstNumber + 1;
38       output += "<tr>";
39       for (secondNumber = 1; sum <= 11; secondNumber++) {
40         product = firstNumber * secondNumber;
41         if (firstNumber == secondNumber) {
42           output += "<td class='bg-info'>" + firstNumber + "x" +
43             → secondNumber + "=" + product + "</td>";
44         }
45         else {
46           output += "<td>" + firstNumber + "x" + secondNumber + "=" +
47             → product + "</td>";
48         }
49         sum = firstNumber + secondNumber + 1;
50       }
51       output += "</tr>";
52     }
53     output += "</table>";
54   </script>
```

```
46         document.getElementById("table").innerHTML = output;
47     </script>
48 </div>
49 <!-- Optional JavaScript -->
50 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
51 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
52     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
53     ↵ CXaRkfj"
54     crossorigin="anonymous"></script>
55 <script
56     ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
57     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
58     ↵ xMfooAo"
59     crossorigin="anonymous"></script>
60 <script
61     ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
62     integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
63     ↵ /kROJKI"
64     crossorigin="anonymous"></script>
65 </body>
66 </html>
```

Bootstrap Example + ×

localhost:3000/51774/task6-2.html

Apps Electronics 退出 Useful Links Study YouTube EAULE - SparkFun 1... Tap for Beats Per Min... Guitar Basics The 2... Online metronome... phoneunlock.com musictheory.net Telephone number... Amazon.com.au Electronics, Cars, Pa... Prime Video Google Translate

JavaScript Generated Table

Multiplication Table

Below is a table showing the multiplication equations from numbers 1 to 10. It also has the cells in which the multiplicand and multiplier highlighted blue (or in Bootstrap terms using the class="bg-info").

1x1=1	1x2=2	1x3=3	1x4=4	1x5=5	1x6=6	1x7=7	1x8=8	1x9=9	1x10=10
2x1=2	2x2=4	2x3=6	2x4=8	2x5=10	2x6=12	2x7=14	2x8=16	2x9=18	
3x1=3	3x2=6	3x3=9	3x4=12	3x5=15	3x6=18	3x7=21	3x8=24		
4x1=4	4x2=8	4x3=12	4x4=16	4x5=20	4x6=24	4x7=28			
5x1=5	5x2=10	5x3=15	5x4=20	5x5=25	5x6=30				
6x1=6	6x2=12	6x3=18	6x4=24						
7x1=7	7x2=14	7x3=21	7x4=28						
8x1=8	8x2=16	8x3=24							
9x1=9	9x2=18								
10x1=10									

21 Condition and function

Learn about conditions and functions in JavaScript.

Outcome	Weight
Explain Web Technologies	◆◆◆◇◇

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

Date	Author	Comment
2020/09/04 00:36	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/11 21:44	Yiyang Hou	Ready to Mark
2020/09/12 10:13	Michael Hobbs	Ohhh.... ok. You have got the framework for this task going... but have made it a lot more complicated than it needs to be :)
2020/09/12 10:14	Michael Hobbs	Have a look at the __repeated__ code you have in your script. This code can be put into its own function... say call it:'function returnGrade(score) { ... }'
2020/09/12 10:15	Michael Hobbs	Then using the loop to create the rows of the table.... call this function with the current student's score to have it return the string containing the equivalent grade.
2020/09/12 10:16	Michael Hobbs	Let me know if this makes sense.... or if you would like to discuss this further.
2020/09/12 10:16	Michael Hobbs	Fix and Resubmit
2020/09/13 16:07	Yiyang Hou	Yeah, it makes perfect sense, repeating the code is definitely redundant. in fact I tried to put them in one function first, however I couldn't get it working and I tried a whole bunch of different approaches in terms of syntax, then I thought it might not be possible for JS so I just went this dumb way to make it work at least. With your hint now I know it is feasible, I'll mend it once I figure out the syntax. Thanks a lot for the hint.
2020/09/17 23:49	Yiyang Hou	Ready to Mark
2020/09/21 20:51	Michael Hobbs	OK... thanks.
2020/09/21 20:52	Michael Hobbs	Couple of final points:1/ Look at how you can create an array of objects (i.e., your students should be an array... not created separately and then included in the array on line 75)
2020/09/21 20:53	Michael Hobbs	In your cascading if/then/elses.... you don't need to have a condition check that covers the previous check. I.e., in the first check if it fails 'score >= 97'.... the you __don't__ need to check 'score <= 96' in the next condition... as it **has** to be so.
2020/09/21 20:54	Michael Hobbs	Complete
2020/09/22 01:51	Yiyang Hou	I'll keep that in mind. Thanks a lot!

Condition and function

Submitted By:

Yiyang HOU
houyiy
2020/09/17 23:49

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the explanation of web technologies as well as the outcome of the design and development of a client-side web application.

September 17, 2020



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7   <title>Bootstrap Example</title>
8   <meta name="author" content="Yiyang Hou">
9   <meta name="description" content="Bootstrap Example">
10  <meta charset="utf-8">
11  <meta name="viewport" content="width=device-width, initial-scale=1,
12    → shrink-to-fit=no">
13  <!-- Latest compiled and minified CSS -->
14  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15    → /css/bootstrap.min.css"
16      integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17      → dKGj7Sk"
18      → crossorigin="anonymous">
19 <script>
20   function getGrade(score) {
21     if (score >= 97) {
22       return "A+";
23     }
24     else if (score >= 93 && score <= 96) {
25       return "A";
26     }
27     else if (score >= 90 && score <= 92) {
28       return "A-";
29     }
30     else if (score >= 87 && score <= 89) {
31       return "B+";
32     }
33     else if (score >= 83 && score <= 86) {
34       return "B";
35     }
36     else if (score >= 80 && score <= 82) {
37       return "B-";
38     }
39     else if (score >= 77 && score <= 79) {
40       return "C+";
41     }
42     else if (score >= 73 && score <= 76) {
43       return "C";
44     }
45     else if (score >= 70 && score <= 72) {
46       return "C-";
47     }
48     else if (score >= 67 && score <= 69) {
49       return "D+";
      }
      else if (score >= 60 && score <= 66) {
        return "D";
      }
    }
```

```
50         else {
51             return "F";
52         }
53     }
54 </script>
55 </head>
56
57 <body>
58 <div class="container-fluid">
59     <h1>STUDENT RESULTS</h1>
60     <h2>List of Names, Scores and Grades</h2>
61     <p>Below is a table showing the student's name, score and grade:</p>
62     <p id="table"></p>
63     <script>
64         var student1 = { studentId: 995367, name: "Sid Slezak", gender: "M",
65             ↪ score: 67, grade: getGrade(67) };
66         var student2 = { studentId: 990812, name: "Lorina Laplant", gender:
67             ↪ "F", score: 91, grade: getGrade(91) };
68         var student3 = { studentId: 992837, name: "Nova Nale", gender: "F",
69             ↪ score: 77, grade: getGrade(77) };
70         var student4 = { studentId: 992520, name: "Clemmie Curtsinga", gender:
71             ↪ "F", score: 64, grade: getGrade(64) };
72         var student5 = { studentId: 997962, name: "Columbus Clender", gender:
73             ↪ "M", score: 81, grade: getGrade(81) };
74         var student6 = { studentId: 994169, name: "Beth Baskerville", gender:
75             ↪ "F", score: 37, grade: getGrade(37) };
76         var student7 = { studentId: 996022, name: "Glenda Gunnels", gender:
77             ↪ "F", score: 72, grade: getGrade(72) };
78         var student8 = { studentId: 995865, name: "Lynn Lamarche", gender: "F",
79             ↪ score: 97, grade: getGrade(97) };
80         var student9 = { studentId: 994761, name: "Bernadette Bad", gender:
81             ↪ "F", score: 48, grade: getGrade(48) };
82         var student10 = { studentId: 992976, name: "Leon Loewen", gender: "M",
83             ↪ score: 73, grade: getGrade(73) };
84         var students, output, listLength, i;
85         students = [student1, student2, student3, student4, student5, student6,
86             ↪ student7, student8, student9, student10];
87         listLength = students.length;
88         output = "<table class='table'>" + "<tr><th>ID</th><th>Name</th><th>Gen-
89             der</th><th>Score</th><th>Grade</th></tr>";
90         for (i = 0; i < listLength; i++) {
91             if (students[i].grade == "A+") {
92                 output += "<tr class='bg-success'>";
93             }
94             else if (students[i].grade == "F") {
95                 output += "<tr class='bg-warning'>";
96             }
97             else {
98                 output += "<tr>";
99             }
100            output += "<td>" + students[i].studentId + "</td><td>" +
101                ↪ students[i].name + "</td><td>" + students[i].gender +
102                ↪ "</td><td>" + students[i].score + "</td><td>" +
103                ↪ students[i].grade + "</td></tr>";
```

```
89         }
90         output += "</table>";
91         document.getElementById("table").innerHTML = output;
92     </script>
93 </div>
94 <!-- Optional JavaScript -->
95 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
96 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
97     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
98     ↵ CXaRkfj"
99     crossorigin="anonymous"></script>
100 <script
101     ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
102     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
103     ↵ xMfooAo"
104     crossorigin="anonymous"></script>
105 <script
106     ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
107     integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
     ↵ /kROJKI"
     crossorigin="anonymous"></script>
108 </body>
109 </html>
```

The screenshot shows a web browser window titled "Bootstrap Example" with the URL "localhost:3000/517774/tasks6-3.html". The page displays a table of student results with columns for ID, Name, Gender, Score, and Grade. The rows are highlighted with alternating colors (white, light blue, green, yellow). The last two rows, which contain the data for Lynn Lamarche and Bernadette Bad, are highlighted in green.

ID	Name	Gender	Score	Grade
995367	Sid Slezak	M	67	D+
990812	Lorina Laplant	F	91	A-
992837	Nova Nale	F	77	C+
992520	Clemmie Cortsinga	F	64	D
997962	Columbus Blender	M	81	B-
994169	Beth Baskerville	F	37	F
996022	Glenda Gunnels	F	72	C-
9985865	Lynn Lamarche	F	97	A+
994761	Bernadette Bad	F	48	F
992976	Leon Loewen	M	73	C

22 String Objects

String Objects

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊

This task demonstrates the design and development of a client-side application.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

Date	Author	Comment
2020/09/11 19:22	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/18 00:33	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/22 21:02	Yiyang Hou	Ready to Mark
2020/09/22 21:02	Yiyang Hou	The way I did the prompt was to have an event handler for the button. Then the check outcome is displayed on the original page below the button.
2020/09/23 12:11	Michael Hobbs	OK, good. Thanks!
2020/09/23 12:11	Michael Hobbs	Complete

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

String Objects

Submitted By:

Yiyang HOU
houyiy
2020/09/22 21:02

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

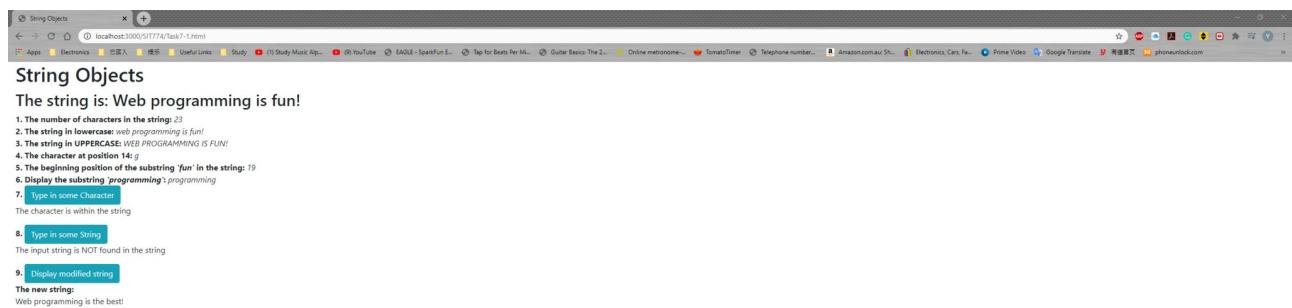
September 22, 2020

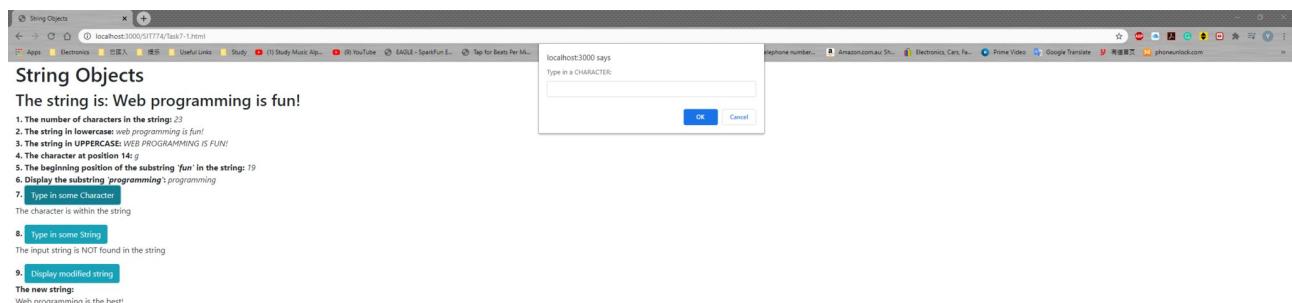


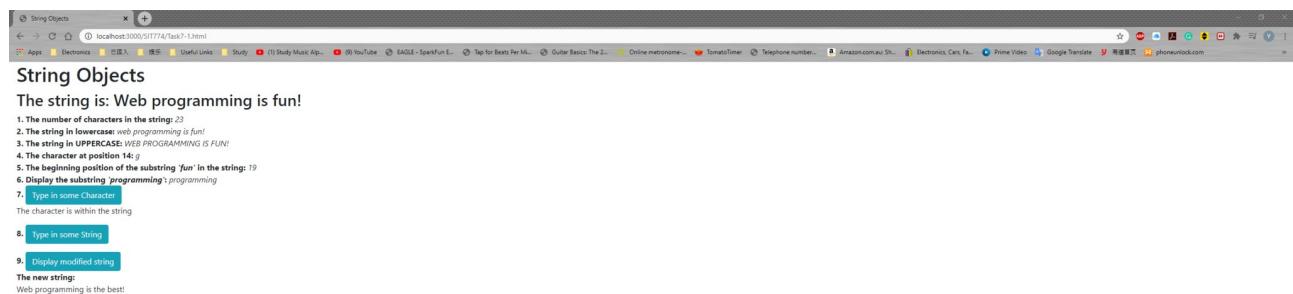
```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <!-- Here is the head element-->
5
6 <head>
7     <title>String Objects</title>
8     <meta name="author" content="Yiyang Hou">
9     <meta name="description" content="String Objects">
10    <meta charset="utf-8">
11    <meta name="viewport" content="width=device-width, initial-scale=1,
12        shrink-to-fit=no">
13    <!-- Latest compiled and minified CSS -->
14    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15        /css/bootstrap.min.css"
16            integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17            ↵ dKGj7Sk"
18            ↵ crossorigin="anonymous">
19
20 <script>
21     function typeInChar() {
22         var within, output;
23         var inputChar = prompt("Type in a CHARACTER: ");
24         if (inputChar.length == 1) {
25             within = string.indexOf(inputChar)
26             if (within >= 0) {
27                 output = "The character is within the string";
28             }
29             else {
30                 output = "The character is NOT within the string";
31             }
32             document.getElementById("characterDisplay").innerHTML = output;
33         }
34         function typeInString() {
35             var within, output;
36             var inputString = prompt("Type in a string: ");
37             within = string.indexOf(inputString)
38             if (within >= 0) {
39                 output = "The input string is found in the string";
40             }
41             else {
42                 output = "The input string is NOT found in the string";
43             }
44             document.getElementById("stringDisplay").innerHTML = output;
45         }
46         function modifyString(){
47             var newString;
48             newString = string.replace("fun", "the best");
49             document.getElementById("modifiedString").innerHTML = newString;
```

```
50      }
51  </script>
52 </head>
53
54 <body>
55   <div class="container-fluid">
56     <h1>String Objects</h1>
57     <h2>The string is: Web programming is fun!</h2>
58     <script>
59       var string = "Web programming is fun!"
60       var count = string.length;
61       document.write("<b>1. The number of characters in the string: </b><i>" +
62                     ↪ + count + "</i><br>"); 
63       var stringLower = string.toLowerCase();
64       document.write("<b>2. The string in lowercase: </b><i>" + stringLower +
65                     ↪ "</i><br>"); 
66       var stringUpper = string.toUpperCase();
67       document.write("<b>3. The string in UPPERCASE: </b><i>" + stringUpper +
68                     ↪ "</i><br>"); 
69       var charAt = string.charAt(14);
70       document.write("<b>4. The character at position 14: </b><i>" + charAt +
71                     ↪ "</i><br>"); 
72       var beginPos = string.indexOf("fun");
73       document.write("<b>5. The beginning position of the substring
74                     ↪ <i>'fun'</i> in the string: </b><i>" + beginPos + "</i><br>"); 
75       var substring = string.substring(4, 15);
76       document.write("<b>6. Display the substring <i>'programming'</i>:
77                     ↪ </b><i>" + substring + "</i><br>"); 
78     </script>
79     <span><b>7. </b></span><button class="btn btn-info"
80       ↪ onclick="typeInChar()">Type in some Character</button>
81     <p id="characterDisplay"></p>
82     <span><b>8. </b></span><button class="btn btn-info"
83       ↪ onclick="typeInString()">Type in some String</button>
84     <p id="stringDisplay"></p>
85     <span><b>9. </b></span><button class="btn btn-info"
86       ↪ onclick="modifyString()">Display modified string</button><br>
87     <span><b>The new string: </b></span><p id="modifiedString"></p>
88   </div>
89   <!-- Optional JavaScript -->
90   <!-- jQuery first, then Popper.js, then Bootstrap JS -->
91   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
92     integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
93     ↪ CXaRkfj"
94     crossorigin="anonymous"></script>
95   <script
96     ↪ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
97     integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
98     ↪ xMfooAo"
99     crossorigin="anonymous"></script>
100  <script
101    ↪ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
102    integrity="sha384-0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7BhJ
103    ↪ /kR0JKI"
```

```
90      crossorigin="anonymous">></script>
91 </body>
92
93 </html>
```







23 Event handler and dynamic page

Learn about the event handler

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊

This task demonstrates the design and development of a client-side application.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

Date	Author	Comment
2020/09/11 19:22	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/18 00:33	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/22 22:44	Yiyang Hou	Ready to Mark
2020/09/23 12:14	Michael Hobbs	OK, good. Thanks!
2020/09/23 12:14	Michael Hobbs	Complete

Event handler and dynamic page

Submitted By:

Yiyang HOU
houyiy
2020/09/22 22:44

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

September 22, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Bootstrap Example</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Bootstrap Example">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17                 ↵ dKGj7Sk"
18                 ↵ crossorigin="anonymous">
19
20 <script>
21     function greeting() {
22         var greeting, dateObject, hour, minut, days, date, months, year, output;
23         var name = document.getElementById("name").value;
24         dateObject = new Date();
25         hour = dateObject.getDate();
26         minut = dateObject.getMinutes();
27         days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday",
28             ↵ "Friday", "Saturday"];
29         var day = days[dateObject.getDay()];
30         date = dateObject.getDate();
31         months = ["Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug",
32             ↵ "Sep", "Oct", "Nov", "Dec"]
33         var month = months[dateObject.getMonth()];
34         year = dateObject.getFullYear();
35         if( hour < 11)
36         {
37             greeting = "Good Morning, ";
38         }
39         else if ( hour < 14 )
40         {
41             greeting = "Good Day, ";
42         }
43         else if ( hour < 18 )
44         {
45             greeting = "Good Afternoon, ";
46         }
47         else
48         {
49             greeting = "Good Evening, ";
50         }
51         output = greeting + name + "!" + " We are " + hour +" hours and " +
52             ↵ minut +" minutes into today, " + day + "&nbsp" + month + "&nbsp" +
53             ↵ date +", " + year + "."
54         document.getElementById("greeting").innerHTML = output;
```

```
46
47      }
48      function highlight()
49      {
50          document.getElementById("greeting").style.backgroundColor = "yellow";
51      }
52      function reverse()
53      {
54          document.getElementById("greeting").style.backgroundColor = "";
55      }
56  </script>
57 </head>
58
59 <body>
60     <div class="container">
61         <h1>DYNAMIC EVENTS</h1>
62         <h2>Demonstrate a web page handling dynamic events</h2>
63         <label for="name">Please enter your name:</label>
64         <input type="text" id="name" name="name"><br>
65         <button onclick="greeting()" onmouseover="highlight()"
66             & onmouseout="reverse()">Display Greeting</button>
67         <p id="greeting"></p>
68     </div>
69     <!-- Optional JavaScript -->
70     <!-- jQuery first, then Popper.js, then Bootstrap JS -->
71     <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
72         integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
73         & CXaRkfj"
74         crossorigin="anonymous"></script>
75     <script
76         & src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
77         integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
78         & xMfooAo"
79         crossorigin="anonymous"></script>
80     <script
81         & src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
82         integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
83         & /kR0JKI"
84         crossorigin="anonymous"></script>
85     </body>
86
87 </html>
```









24 Form validation

Form validation with JavaScript

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊

This task demonstrates the design and development of a client-side application.

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

Date	Author	Comment
2020/09/11 19:22	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/18 00:33	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/23 01:03	Yiyang Hou	Ready to Mark
2020/09/23 12:20	Michael Hobbs	Thanks for this Yiyang. A small comment. In your code, it will detect the first error and display the error message.... and you have added some complicated checks to try and get it to display multiple errors... You could define a <u>boolean</u> variable (known as a <u>flag</u> variable) and initialise it to 'true' at the start Then for each check when an <u>error</u> is detected... set the flag to 'false' instead of the <u>return false;</u> . Then at the end just return the value of the flag variable (which will be true or false).... But will have picked up on all of the errors in the form!
2020/09/23 12:22	Michael Hobbs	That way you can simplify the checks on each of the fields.... and also check for 1 or more errors.
2020/09/23 12:22	Michael Hobbs	Have a go at this small change and how this affects the input.
2020/09/23 12:22	Michael Hobbs	Fix and Resubmit
2020/09/23 15:05	Yiyang Hou	Thanks for the info Mick! I gave the technique that you taught me a try. However, I found that by having a flag variable, I would not be able to fully remerge the given example outcome in the task sheet, as the requirements want us to validate the Name and Email fields one at a time, while Unit and Phone fields should be validated simultaneously and each field should be validated individually. It does not seem possible to be able to do that without specifically validating each possible input and using return at each stage of validation.
2020/09/23 15:09	Yiyang Hou	The main issue I'm facing is that, the requirements ask the validation to be taken place in steps and I can't find a way to implement that with a flag variable. Is there any detail that I have missed to cause the issue? Thank you for your help!
2020/09/23 17:50	Yiyang Hou	Ready to Mark
2020/09/23 17:50	Yiyang Hou	I have completed the amendment. Thank you again for your help today!
2020/09/24 08:46	Michael Hobbs	OK... thanks.
2020/09/24 08:46	Michael Hobbs	Complete

Form validation

Submitted By:

Yiyang HOU
houyiy
2020/09/23 17:50

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦◊◊
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and development of a client-side application.

September 23, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>FORM VALIDATION</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="FORM VALIDATION">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYYxFfc+NcPb1_
17                 → dKGj7Sk"
18                 → crossorigin="anonymous">
19
20  <script>
21      function validation() {
22          var letters = /^[A-Za-z]+$/ , numbers = /^[0-9]+$/, flag;
23          flag = true;
24          if (document.getElementById("name").value.length == 0) {
25              document.getElementById("nameMessage").innerHTML = "<i>You did not
26                  → enter your name</i>";
27              flag = false;
28          }
29          else
30          {
31              document.getElementById("nameMessage").innerHTML = "";
32          }
33
34          if (document.getElementById("email").value.length == 0) {
35              document.getElementById("emailMessage").innerHTML = "<i>You did not
36                  → enter your email</i>";
37              flag = false;
38          }
39          else if
40              → (document.getElementById("email").value.indexOf("@deakin.edu.au") <
41                  → 0) {
42              document.getElementById("emailMessage").innerHTML = "<i>Must be
43                  → your deakin email '@deakin.edu.au'</i>";
44              flag = false;
45          }
46          else
47          {
48              document.getElementById("emailMessage").innerHTML = "";
49          }
50
51          if (document.getElementById("unit").value.length != 6 ||
52              → !(document.getElementById("unit").value.substring(0,
53                  → 3).match(letters)) ||
54              → !(document.getElementById("unit").value.substring(3,
55                  → 6).match(numbers))) {
```

```
42         document.getElementById("unitMessage").innerHTML = "<i>Unit code  
43             ↳ MUST be in format 'ABC123'</i>";  
44             flag = false;  
45     }  
46     else  
47     {  
48         document.getElementById("unitMessage").innerHTML = "";  
49     }  
50  
51     if (document.getElementById("phone").value.length != 10) {  
52         document.getElementById("phoneMessage").innerHTML = "<i>Phone  
53             ↳ number must be exactly 10 digits</i>";  
54         flag = false;  
55     }  
56     else if (!document.getElementById("phone").value.match(numbers)) {  
57         var charIndex =  
58             ↳ document.getElementById("phone").value.search(/\D/g);  
59         var char = document.getElementById("phone").value.charAt(charIndex);  
60         document.getElementById("phoneMessage").innerHTML = "<i>Contains  
61             ↳ character'" + char + "''. Numbers only!'";  
62         flag = false;  
63     }  
64     else{  
65         document.getElementById("phoneMessage").innerHTML = "";  
66     }  
67     return flag;  
68 }  
69 </script>  
70 </head>  
71  
72 <body>  
73     <div class="container">  
74         <h1>FORM VALIDATION</h1>  
75         <h2>Online Form Validation</h2>  
76         <p>Please enter you details in the form below to register your interest in  
77             ↳ receiving support with a unit.</p>  
78         <form onsubmit="return validation()">  
79             <div class="form-group row">  
80                 <label class="col-form-label col-md-2 text-right font-weight-bold"  
81                     ↳ for="name">Name:</label>  
82                 <div class="col-md-4">  
83                     <input type="text" class="form-control" name="name" id="name"  
84                         ↳ placeholder="Your name">  
85                 </div>  
86                 <div class="col-md-6" id="nameMessage">  
87                     </div>  
88             </div>  
89             <div class="form-group row">  
90                 <label class="col-form-label col-md-2 text-right font-weight-bold"  
91                     ↳ for="email">Email:</label>  
92                 <div class="col-md-4">  
93                     <input type="email" class="form-control" name="email"  
94                         ↳ id="email" placeholder="Enter email">  
95             </div>
```

```
86         </div>
87         <div class="col-md-6" id="emailMessage">
88             </div>
89     </div>
90     <div class="form-group row">
91         <label class="col-form-label col-md-2 text-right font-weight-bold"
92             for="unit">Deakin Unit:</label>
93         <div class="col-md-4">
94             <input type="text" class="form-control" name="unit" id="unit"
95                 placeholder="ABC123">
96         </div>
97         <div class="col-md-6" id="unitMessage">
98             </div>
99     </div>
100    <div class="form-group row">
101        <label class="col-form-label col-md-2 text-right font-weight-bold"
102            for="phone">Phone:</label>
103        <div class="col-md-4">
104            <input type="tel" class="form-control" name="phone" id="phone"
105                placeholder="Must be 10 digits">
106        </div>
107        <div class="col-md-6" id="phoneMessage">
108            </div>
109    </div>
110    <div class="form-group row">
111        <div>
112            <input type="submit" value="Submit Query">
113        </div>
114        &nbsp;
115        <div>
116            <input type="reset" value="Reset">
117        </div>
118    </div>
119    <!-- Optional JavaScript -->
120    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
121    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
122        integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
123        CXaRkfj"
124        crossorigin="anonymous"></script>
125    <script
126        src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
127        integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
128        xMfooAo"
129        crossorigin="anonymous"></script>
130    <script
131        src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
132        integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
133        /kROJKI"
134        crossorigin="anonymous"></script>
135
136 </body>
```

```
130  
131  </html>
```

The screenshot shows a web browser window with the title "FORM VALIDATION" and the sub-section "Online Form Validation". The URL in the address bar is "localhost:3000/SIT774/task7-3.html?name=Yiyang&email=houyiy%40deakin.edu.au&unit=SIT774&phone=1234567899". The page contains a form with four fields: "Name" (with placeholder "Your name"), "Email" (with value "houyiy@deakin.edu.au"), "Deakin Unit" (with value "SIT774"), and "Phone" (with value "1234567899"). A validation message "You did not enter your name" is displayed next to the Name field. Below the form are two buttons: "Submit Query" and "Reset".

The screenshot shows a web browser window with the title "FORM VALIDATION" and the sub-section "Online Form Validation". The URL in the address bar is "localhost:3000/SIT774/task7-3.html?name=Yiyang&email=houyiy%40deakin.edu.au&unit=SIT774&phone=1234567899". The page contains a form with four fields: Name, Email, Deakin Unit, and Phone. The Name field has "Yiyang Hou" entered. The Email field has "houyiy@google.com" entered, with a validation message "Must be your deakin email! @deakin.edu.au". The Deakin Unit field has "SIT774" entered. The Phone field has "1234567899" entered. Below the form are two buttons: "Submit Query" and "Reset".

The screenshot shows a web browser window with the title "FORM VALIDATION" and the sub-section "Online Form Validation". The URL in the address bar is "localhost:3000/51774/task7-3.html?name=yiyanghou&email=ahouly@deakin.edu.au&unit=sit116&phone=1234567890". The form contains four fields: "Name" (Yiyang Hou), "Email" (houly@deakin.edu.au), "Deakin Unit" (sit116), and "Phone" (12345). There are validation messages: "Unit code MUST be in format 'ABC123'" next to the unit field, and "Phone number must be exactly 10 digits" next to the phone field. At the bottom are "Submit Query" and "Reset" buttons.

FORM VALIDATION
Online Form Validation

Please enter you details in the form below to register your interest in receiving support with a unit.

Name: Yiyang Hou

Email: houly@deakin.edu.au

Deakin Unit: sit116 *Unit code MUST be in format 'ABC123'*

Phone: 12345 *Phone number must be exactly 10 digits*

The screenshot shows a web browser window with the title "FORM VALIDATION" and the sub-section "Online Form Validation". The URL in the address bar is "localhost:3000/51774/task7-3.html?name=yiyanghou&email=houyiy@deakin.edu.au&unit=sit11&phone=1234567890". The form contains four input fields: "Name" (Yiyang Hou), "Email" (houyiy@deakin.edu.au), "Deakin Unit" (SIT11), and "Phone" (1234567890). A validation message "Contains character b. Numbers only!" is displayed next to the phone number field. Below the form are two buttons: "Submit Query" and "Reset".

25 Create a dynamic web page

JavaScript functionality on the client-side

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and implementation of a client-side application and different options were explored. Relevant evidence is provided.

Outcome	Weight
Web Service Design and Implementation	♦♦◊◊◊

This task demonstrates the design and implementation of a client-side application and different options were explored. Relevant evidence is provided.

Outcome	Weight
Option Identification and Application Deployment	♦♦♦♦◊

This task demonstrates the design and implementation of a client-side application and different options were explored. Relevant evidence is provided.

Outcome	Weight
Achieved Outcome Justification	♦♦♦♦♦

This task demonstrates the design and implementation of a client-side application and different options were explored. Relevant evidence is provided.

Date	Author	Comment
2020/09/11 19:22	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/18 00:34	Yiyang Hou	Can I have more time to work on these tasks please
2020/10/06 17:27	Yiyang Hou	Ready to Mark
2020/10/06 17:27	Michael Hobbs	Time Exceeded
2020/10/12 19:07	Michael Hobbs	OK. Good.
2020/10/12 19:08	Michael Hobbs	You can also combine cases statements if they do the same code blocks. E.g.:
2020/10/12 19:09	Michael Hobbs	'case "Very Good":' 'case "Fair":' ' ' '#positiveTable").append(addRow);' ' break;'
2020/10/12 19:09	Michael Hobbs	Complete
2020/10/12 19:22	Yiyang Hou	Thanks for the hint.

Create a dynamic web page

Submitted By:

Yiyang HOU
houyiy
2020/10/06 17:27

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Web Service Design and Implementation	♦♦◊◊◊
Option Identification and Application Deployment	♦♦♦♦◊
Achieved Outcome Justification	♦♦♦♦♦

This task demonstrates the design and implementation of a client-side application and different options were explored. Relevant evidence is provided.

October 6, 2020



Feedback x +

localhost:3000/SIT774/Task7-4.html

Apps Electronics 已匯入 樂趣 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi... Guitar Basics: The 2... Online metronome-...

Homemade Cookies

your feedback is valuable to us and we aim to continuously improve the quality of our products and services.

Feedback Form

Please provide feedback on your experiences with our *Homemade Cookies*.
Include your name, comment and rating.

How was your experience with our *Homemade Cookies*?

Name Rating

Textarea

[Add Feedback](#)

Positive Feedback
A table with positive feedback...

[Show Table of Positive Feedback](#)

Negative Feedback
A table with negative feedback...

[Show Table of Negative Feedback](#)

Feedback

localhost:3000/SIT774/Task7-4.html

Apps Electronics 巴匯入 樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi... Guitar Basics: The 2... Online metronome-...

Homemade Cookies

your feedback is valuable to us and we aim to improve.

Feedback Form

Please provide feedback on your experience with our Homemade Cookies. Include your name, comment and rating.

How was your experience with our Homemade Cookies?

Name
Jane

Textarea
Good!

Add Feedback

Positive Feedback

The table below contains the responses from customers who have had a **positive** experience with our Cookies. This includes feedback rated as *Very Good* and *Fair*.

Name	Rating	Feedback
Tony	Very Good	Very good!
Andy	Fair	Not bad!
Jane	Very Good	Good!

[Close](#)

Negative Feedback

A table with negative feedback...

[Show Table of Negative Feedback](#)

The screenshot shows a web application interface. At the top, there's a header with a logo and some navigation links. Below it, the main content area has a title "Homemade Cookies" and a sub-section "Feedback Form". It asks for feedback on experience with homemade cookies, including name and comment. A modal dialog is open over the page, titled "Positive Feedback". Inside the modal, there's a message about positive experiences and a table showing three entries: Tony (Very Good, Very good!), Andy (Fair, Not bad!), and Jane (Very Good, Good!). A red "Close" button is at the bottom right of the modal. Below the modal, there are two sections: "Positive Feedback" (with a link to "Show Table of Positive Feedback") and "Negative Feedback" (with a link to "Show Table of Negative Feedback").

Feedback

localhost:3000/SIT774/Task7-4.html

Apps Electronics 已插入 演乐 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Min... Guitar Basics: The 2... Online metronome-...

Homemade Cookies

your feedback is valuable to us and we aim to improve.

Feedback Form

Please provide feedback on your experience. Include your name, comment and rating.

How was your experience with our Homemade Cookies?

Name: Tony

Textarea: Hate it

Add Feedback

Positive Feedback

A table with positive feedback...

Show Table of Positive Feedback

Negative Feedback

The table below contains the responses from customers who have had a **negative** experience with our Cookies. This includes feedback rated as *Below Average* and *Very Poor*

Name	Rating	Feedback
Tom	Below Average	Bad
Jack	Below Average	Bad Bad!
Helen	Very Poor	Awful!
Yiyang	Below Average	Not good
Yiyang	Very Poor	Terrible
Jane	Very Poor	Terrible
Victoria	Below Average	Bad
Jason	Very Poor	Hate it
Henry	Very Poor	Bad bad
Tony	Below Average	Hate it
Tony	Below Average	Hate it

Close

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Feedback</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Feedback">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         → shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         → /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17                 → dKGj7Sk"
18                 → crossorigin="anonymous">
19
20     <script>
21         function updateTable() {
22             var name, rating, text, addRow;
23             name = document.getElementById("name").value;
24             rating = document.getElementById("rating").value;
25             text = document.getElementById("textarea").value;
26             addRow = "<tr><td>" + name + "</td><td>" + rating + "</td><td>" + text
27                 → + "</td></tr>";
28             switch (rating) {
29                 case "Very Good":
30                     $("#positiveTable").append(addRow);
31                     break;
32                 case "Fair":
33                     $("#positiveTable").append(addRow);
34                     break;
35                 case "Below Average":
36                     $("#negativeTable").append(addRow);
37                     break;
38                 case "Very Poor":
39                     $("#negativeTable").append(addRow);
40                     break;
41                 default:
42                     break;
43             }
44         }
45     </script>
46 </head>
47
48 <body>
49     <div class="jumbotron">
50         <div class="container">
51             <h1>Homemade Cookies</h1>
52             <p>your feedback is valuable to us and we aim to continuously improve
53                 → the quality of our products and
```

```
48         services.</p>
49     </div>
50 </div>
51 <div class="container">
52     <h2> Feedback Form</h2>
53     <p>Please provide feedback on your experiences with our <i>Hommemade
54         Cookies</i>.<br>
55         Include your name, comment and rating.</p>
56 <form>
57     <div class="card">
58         <div class="card-header">How was your experience with our
59             <i>Homemade Cookies</i>?</div>
60         <div class="card-body">
61             <div class="form-row">
62                 <div class="form-group col-md-6">
63                     Name<br>
64                     <input type="text" class="form-control" id="name"
65                         name="name">
66                 </div>
67                 <div class="form-group col-md-6">
68                     Rating<br>
69                     <select class="form-control" name="rating" id="rating">
70                         <option value="none" selected
71                             disabled>Rating...</option>
72                         <option value="Very Good">Very Good</option>
73                         <option value="Fair">Fair</option>
74                         <option value="Below Average">Below Average</option>
75                         <option value="Very Poor">Very Poor</option>
76                     </select>
77                 </div>
78             </div>
79             <div class="form-group">
80                 Textarea<br>
81                 <textarea class="form-control" id="textarea"
82                     name="textarea">Required example textarea</textarea>
83             </div>
84             <button type="button" onclick="updateTable()" class="btn
85                 & btn-primary">Add Feedback</button>
86         </div>
87     </div>
88 </form>
89 <div class="row mt-3">
90     <div class="col-md-6">
91         <div class="card">
92             <div class="card-body">
93                 <h3 class="card-title">Positive Feedback</h3>
94                 <p class="card-text">A table with positive feedback...</p>
95                 <button type="button" class="btn btn-secondary"
96                     data-toggle="modal"
97                     data-target="#positiveFeedback">
98                     Show Table of Positive Feedback
99                 </button>
100            </div>
101        </div>
102    </div>
```

```
95      <div class="modal fade" role="dialog" id="positiveFeedback"
96        ↵  tabindex="-1"
97          aria-labelledby="positiveFeedbackTitle"
98            ↵  aria-hidden="true">
99              <div class="modal-dialog modal-dialog-scrollable"
100                ↵  role="document">
101                  <div class="modal-content">
102                    <div class="modal-header">
103                      <h1 class="modal-title"
104                        ↵  id="positiveFeedbackTitle">Positive
105                          ↵  Feedback</h1>
106                          <button type="button" class="close"
107                            ↵  data-dismiss="modal" aria-label="Close">
108                            <span aria-hidden="true">&times;</span>
109                          </button>
110                      </div>
111                      <div class="modal-body">
112                        <p>The table below contains the responses
113                          ↵  from customers who have had a
114                            <b>positive</b> experience with our
115                              ↵  Cookies. This includes feedback
116                                ↵  rated as
117                                  <i>Very Good</i> and <i>Fair</i>. </p>
118                      <table class="table table-bordered"
119                        ↵  id="positiveTable">
120                          <tr>
121                            <th>Name</th>
122                            <th>Rating</th>
123                            <th>Feedback</th>
124                          </tr>
125
126                          </table>
127
128                      </div>
129
130                      </div>
131
132                      <div class="card">
133                        <div class="card-body">
134                          <h3 class="card-title">Negative Feedback</h3>
135                          <p class="card-text">A table with negative feedback...</p>
136                          <button type="button" class="btn btn-secondary"
137                            ↵  data-toggle="modal"
```

```
136                               data-target="#negativeFeedback">
137             Show Table of Negative Feedback
138         </button>
139
140         <div class="modal fade" role="dialog" id="negativeFeedback">
141             ↳ tabindex="-1"
142             ↳ aria-labelledby="negativeFeedbackTitle"
143             ↳ aria-hidden="true">
144             <div class="modal-dialog modal-dialog-scrollable" role="document">
145                 <div class="modal-content">
146                     <div class="modal-header">
147                         <h1 class="modal-title" id="negativeFeedbackTitle">Negative
148                         ↳ Feedback</h1>
149                         <button type="button" class="close" data-dismiss="modal" aria-label="Close">
150                             <span aria-hidden="true">&times;</span>
151                         </button>
152                     </div>
153                     <div class="modal-body">
154                         <p>The table below contains the responses
155                         ↳ from customers who have had a
156                         <b>negative</b> experience with our
157                         ↳ Cookies. This includes feedback
158                         ↳ rated as
159                         <i>Below Average</i> and <i>Very
160                         ↳ Poor</i>. </p>
161                         <table class="table table-bordered" id="negativeTable">
162                             <tr>
163                                 <th>Name</th>
164                                 <th>Rating</th>
165                                 <th>Feedback</th>
166                             </tr>
167
168                         </table>
169
170                     </div>
171                 </div>
172             </div>
173         </div>
174     </div>
175 </div>
```

```
176  <!-- Optional JavaScript -->
177  <!-- jQuery first, then Popper.js, then Bootstrap JS -->
178  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
179      integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+0rJ
180      ↵ CXaRkfj"
181      crossorigin="anonymous"></script>
182  <script
183      ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
184      integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
185      ↵ xMfooAo"
186      crossorigin="anonymous"></script>
187  <script
188      ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
189      integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
190      ↵ /kROJKI"
191      crossorigin="anonymous"></script>
192  </script>
193  </body>
194  </html>
```

26 Improve your website

Update and improve your personal website

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦

This task demonstrates the design and implementation of the client-side application, and different options were explored. Relevant evidence is provided to support the outcome.

Outcome	Weight
Option Identification and Application Deployment	♦♦♦♦♦

This task demonstrates the design and implementation of the client-side application, and different options were explored. Relevant evidence is provided to support the outcome.

Outcome	Weight
Achieved Outcome Justification	♦♦♦♦♦

This task demonstrates the design and implementation of the client-side application, and different options were explored. Relevant evidence is provided to support the outcome.

Date	Author	Comment
2020/09/11 19:22	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/18 00:34	Yiyang Hou	Can I have more time to work on these tasks please
2020/10/08 01:35	Yiyang Hou	Ready to Mark
2020/10/08 01:35	Michael Hobbs	Time Exceeded
2020/10/12 19:09	Michael Hobbs	OK, some good improvements/extensions to your website. Thank you.
2020/10/12 19:10	Michael Hobbs	Complete

Improve your website

Submitted By:

Yiyang HOU
houyiy
2020/10/08 01:35

Tutor:

Michael HOBBS

Outcome	Weight
Client-side Application Design and Development	♦♦♦♦♦
Option Identification and Application Deployment	♦♦♦♦♦
Achieved Outcome Justification	♦♦♦♦♦

This task demonstrates the design and implementation of the client-side application, and different options were explored. Relevant evidence is provided to support the outcome.

October 8, 2020



Homepage for a Fictional Business

localhost:3000/SIT774/Task5-3_home.html

Apps Electronics 已匯入 娛樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi...

About Us Support Contact Login

LOGO TEXT HERE

Make a search here

Search

HOME ANIMAL PRODUCTS VEGETABLES

Social Media

Follow us on:

f in Twitter YouTube

Highlight of the Week!

Broccoli \$10

This website belongs to a fictional company

The screenshot displays a web browser window with the following details:

- Address Bar:** Shows the URL `localhost:3000/SIT774/Task5-3_home.html`.
- Toolbar:** Includes standard browser icons for back, forward, search, and refresh.
- Tab Bar:** Lists various open tabs including "Study Music Alp...", "YouTube", and "EAGLE - SparkFun E...".
- Header:** A yellow header bar with the following elements:
 - A placeholder for a logo with the text "LOGO TEXT HERE".
 - A search input field with placeholder text "Make a search here".
 - A search button labeled "Search".
 - Navigation links: "About Us", "Support", "Contact", and "Login".
- Menu Bar:** A dark blue menu bar with the following links: "HOME", "ANIMAL PRODUCTS", and "VEGETABLES".
- Sidebar:** A vertical yellow sidebar on the left with the heading "Social Media" and the text "Follow us on:" followed by icons for Facebook, LinkedIn, Twitter, and YouTube.
- Content Area:** The main content features a large image of fresh broccoli. Overlaid on the image is the text "Broccoli \$10".
- Footer Note:** A small note at the bottom of the page reads "This website belongs to a fictional company".

Product Category 1

localhost:3000/SIT774/Task5-3_product_cate1.html

Apps Electronics 已匯入 娛樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi...

About Us Support Contact Login

LOGO TEXT HERE

Make a search here Search

HOME ANIMAL PRODUCTS VEGETABLES

ANIMAL PRODUCTS



Eggs \$10

This website belongs to a fictional company

1. The size of the header/logo and navigation is adjusted.
2. The layout of the header and navigation is adjusted.
3. Input validation is added to the contact and sign up page.

```

4. <!DOCTYPE html>
5. <html lang="en">
6.
7. <!-- Here is the head element-->
8.
9. <head>
10.   <title>Homepage for a Fictional Business</title>
11.   <meta name="author" content="Yiyang Hou">
12.   <meta name="description" content="Homepage for a Fictional Business
    ">
13.   <meta charset="utf-8">
14.   <meta name="viewport" content="width=device-width, initial-
    scale=1, shrink-to-fit=no">
15.   <!-- Latest compiled and minified CSS -->
16.   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/boo-
    tstrap/4.5.0/css/bootstrap.min.css"
17.       integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" cross
    origin="anonymous">
18.</head>
19.
20.<body>
21.   <div class="row" style="background-color:goldenrod">
22.     <div class="container">
23.       <div class="col-md-12 text-right font-weight-bold">
24.         <a class="btn btn-dark" href="Task5-
    3_about_us.html" role="button">About Us</a> &nbsp; &nbsp;
25.         <a class="btn btn-dark" href="Task5-
    3_support.html" role="button">Support</a> &nbsp; &nbsp;
26.         <a class="btn btn-dark" href="Task5-
    3_contact.html" role="button">Contact</a>&nbsp; &nbsp;
27.         <a class="btn btn-dark" href="Task5-
    3_login.html" role="button">Login</a>&nbsp; &nbsp;
28.       </div>
29.     </div>
30.   </div>
31.   <!-- Header part of the page within jumbotron -->
32.   <div class="jumbotron" style="background-color:goldenrod">
33.     <div class="container">
34.       <div class="row">
35.         <div class="col-md-3">
36.           
    >
37.         </div>
38.       <!-- Some navigation options at the top -->

```

```
39.             <div class="col-md-9 text-center font-weight-bold">
40.                 <form>
41.                     <!-- A search feature -->
42.                     <br>
43.                     <br>
44.                     <div class="form-row container">
45.                         <div class="col-md-10">
46.                             <input type="text" class="form-
control" name="searchbox" id="searchbox"
47.                                     placeholder="Make a search here">
48.                         </div>
49.                         <div class="col-md-2 font-weight-bold">
50.                             <input type="submit" class="form-
control btn btn-dark" value="Search">
51.                         </div>
52.                     </div>
53.                 </form>
54.                 <hr style="height: 1em;">
55.                 <!-- Navigation of the site -->
56.                 <nav>
57.                     <div class="row container bg-dark">
58.                         <div class="col-md-4 font-weight-bold text-
center">
59.                             <a href="Task5-
3_home.html" role="button" style="color: white;">HOME</a>
60.                         </div>
61.                         <div class="col-md-4 font-weight-bold text-
center">
62.                             <a href="Task5-
3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODU
CTS</a>
63.                         </div>
64.                         <div class="col-md-4 font-weight-bold text-
center">
65.                             <a href="Task5-
3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a
>
66.                         </div>
67.                     </div>
68.                 </nav>
69.             </div>
70.         </div>
71.     </div>
72. </div>
73. <div class="container">
74.     <div class="row">
75.         <!-- Social Media Section -->
76.         <div class="col-md-2" style="background-color: khaki;">
```

```

77.          <h5>Social Media</h5>
78.          <b>Follow us on:</b>
79.          <a href="https://www.facebook.com"></a>
80.          <a href="https://www.linkedin.com"></a>
81.          <a href="https://www.twitter.com"></a>
82.          <a href="https://www.youtube.com"></a>
83.      </div>
84.      <div class="col-md-10">
85.          <!-- Homepage Content Section -->
86.          <h2>Highlight of the Week!</h2>
87.          <br>
88.          <div class="container">
89.              <div id="newCarousel" class="carousel slide" data-
    ride="carousel">
90.                  <!--Indicators-->
91.                  <ol class="carousel-indicators">
92.                      <li data-target="#newCarousel" data-slide-
    to="0" class="active"></li>
93.                      <li data-target="#newCarousel" data-slide-
    to="1"></li>
94.                  </ol>
95.                  <!-- Wrapper for slides -->
96.                  <div class="carousel-inner">
97.                      <div class="carousel-item active">
98.                          <a href="Task5-
    3_product1.html" style="color: black;">
99.                              
100.                         <div class="carousel-
    caption font-weight-bold">
101.                             <h5 style="color: black;">
102.                                 Eggs &nbsp;&nbsp;$10
103.                             </h5>
104.                         </div>
105.                     </a>
106.                 </div>
107.                 <div class="carousel-item">
108.                     <a href="Task5-
    3_product2.html" style="color: black;">
109.                         
110.                         <div class="carousel-
    caption font-weight-bold">

```

```
111.                                     <h5>
112.                                         Broccoli & $
10
113.                                     </h5>
114.                                         </div>
115.                                         </a>
116.                                         </div>
117.                                         </div>
118.                                         <!-- Left and right controls -->
119.                                         <a class="carousel-control-
    prev" href="#newCarousel" data-slide="prev">
120.                                         <span class="carousel-control-prev-
    icon"></span>
121.                                         <span class="sr-only">Previous</span>
122.                                         </a>
123.                                         <a class="carousel-control-
    next" href="#newCarousel" data-slide="next">
124.                                         <span class="carousel-control-next-
    icon"></span>
125.                                         <span class="sr-only">Next</span>
126.                                         </a>
127.                                         </div>
128.                                         </div>
129.                                         </div>
130.                                         </div>
131.                                         <!-- footer -->
132.                                         <footer>
133.                                         <small><i> This website belongs to a fictional compan
    y</i></small>
134.                                         </footer>
135.                                         </div>
136.                                         <!-- Optional JavaScript -->
137.                                         <!-- jQuery first, then Popper.js, then Bootstrap JS -->
138.                                         <script src="https://code.jquery.com/jquery-
    3.5.1.slim.min.js"
139.                                             integrity="sha384-
    DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
140.                                             crossorigin="anonymous"></script>
141.                                         <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/di
    st/umd/popper.min.js"
142.                                             integrity="sha384-
    Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
143.                                             crossorigin="anonymous"></script>
144.                                         <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5
    .0/js/bootstrap.min.js"
145.                                             integrity="sha384-
    OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
146.                                             crossorigin="anonymous"></script>
```

```
147.      </body>
148.
149.      </html>
```

```
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element--&gt;

&lt;head&gt;
    &lt;title&gt;Contact&lt;/title&gt;
    &lt;meta name="author" content="Yiyang Hou"&gt;
    &lt;meta name="description" content="Contact"&gt;
    &lt;meta charset="utf-8"&gt;
    &lt;meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no"&gt;
    &lt;!-- Latest compiled and minified CSS --&gt;
    &lt;link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
          integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous"&gt;
    &lt;script&gt;
        function validation() {
            var numbers = /^[0-9]+$/ , flag;
            flag = true;
            if (document.getElementById("name").value.length == 0) {
                document.getElementById("nameError").innerHTML = "&lt;span class=
'text-danger'&gt;&lt;i&gt;You did not enter your name&lt;/i&gt;&lt;/span&gt;";
                flag = false;
            }
            else {
                document.getElementById("nameError").innerHTML = "";
            }
            if (document.getElementById("email").value.length == 0) {
                document.getElementById("emailError").innerHTML = "&lt;span class
='text-danger'&gt;&lt;i&gt;You did not enter your email address&lt;/i&gt;&lt;/span&gt;";
                flag = false;
            }
            else if (document.getElementById("email").value.indexOf "@" &lt; 0)
{
                document.getElementById("emailError").innerHTML = "&lt;span class
='text-danger'&gt;&lt;i&gt;Your input is invalid, it does not contain @&lt;/i&gt;&lt;/span&gt;";
                flag = false;
            }
            else {</pre>
```

```

        document.getElementById("emailError").innerHTML = "";
    }

    if (document.getElementById("phone").value.length == 0) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>You did not enter your phone number</i></span>";
        flag = false;
    }
    else if (!document.getElementById("phone").value.match(numbers)) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>Your phone number must be an array of numbers</i></span>";
        flag = false;
    }
    else if (document.getElementById("phone").value.length != 10) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>Phone number must be exactly 10 digits</i></span>";
        flag = false;
    }
    else{
        document.getElementById("phoneError").innerHTML = "";
    }
    if (document.getElementById("subject").value.length == 0) {
        document.getElementById("subjectError").innerHTML = "<span class='text-danger'><i>You must have a subject</i></span>";
        flag = false;
    }
    else {
        document.getElementById("subjectError").innerHTML = "";
    }
    return flag;
}
</script>
</head>

<body>
    <div class="row" style="background-color:goldenrod">
        <div class="container">
            <div class="col-md-12 text-right font-weight-bold">
                <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a>&ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a>&ampnbsp &ampnbsp
            </div>
        </div>
    </div>

```

```

        </div>
        <!-- Header part of the page within jumbotron -->
        <div class="jumbotron" style="background-color:goldenrod">
            <div class="container">
                <div class="row">
                    <div class="col-md-3">
                        
                    </div>
                    <!-- Some navigation options at the top -->
                    <div class="col-md-9 text-center font-weight-bold">
                        <form>
                            <!-- A search feature -->
                            <br>
                            <br>
                            <div class="form-row container">
                                <div class="col-md-10">
                                    <input type="text" class="form-control" name="searchbox" id="searchbox"
                                           placeholder="Make a search here">
                                </div>
                                <div class="col-md-2 font-weight-bold">
                                    <input type="submit" class="form-control btn btn-dark" value="Search">
                                </div>
                            </div>
                        </form>
                        <hr style="height: 1em;">
                        <!-- Navigation of the site -->
                        <nav>
                            <div class="row container bg-dark">
                                <div class="col-md-4 font-weight-bold text-center">
                                    <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
                                </div>
                                <div class="col-md-4 font-weight-bold text-center">
                                    <a href="Task5-3_product_cate1.html " role="button" style="color: white;">ANIMAL
                                       PRODUCTS</a>
                                </div>
                                <div class="col-md-4 font-weight-bold text-center">
                                    <a href="Task5-3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
                                </div>
                            </div>
                        </nav>
                    </div>
                </div>
            </div>
        </div>
    
```

```
        </div>
    </div>
</div>
<div class="container">
    <div class="container">
        <h2>Contact</h2>
        <p>
            Company contact details are placed here.<br><br><br><br><br><br><br>
        </p>
        <!-- Contact Form-->
        <h3>Please fill out the form to send us a message:</h3>
        <br>
        <form onsubmit="return validation()">
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="name">Name:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="name" id="name" placeholder="Your Name">
                </div>
                <span class="col-md-3 col-3" id="nameError">
                </span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="email">Email:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="email" id="email" placeholder="Enter Email">
                </div>
                <span class="col-md-3 col-3" id="emailError">
                </span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="phone">Phone:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="phone" id="phone"
                           placeholder="Enter Phone Number">
                </div>
                <span class="col-md-3 col-3" id="phoneError">
                </span>
            </div>
            <div class="form-group row">
```

```
        <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="subject">Subject:</label>
        <div class="col-md-6 col-5">
            <input type="text" class="form-control" name="subject" id="subject"
                   placeholder="Subject of the Message">
        </div>
        <span class="col-md-3 col-3" id="subjectError">
        </span>
    </div>
    <div class="form-group row">
        <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="message">Message:</label>
        <div class="col-md-9 col-8">
            <textarea class="form-control" name="message" id="message" rows="5">
            </textarea>
        </div>
    </div>
    <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
        <div>
            <input type="submit" value="Submit">
        </div>
        &nbsp;
        <div>
            <input type="reset" value="Reset">
        </div>
    </div>
</form>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
       integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
       crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
       integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
```

```

        crossorigin="anonymous">></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
        integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9vYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous"></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Sign Up</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Sign up">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <script>
        function validation(){
            var flag;
            flag = true;
            if (document.getElementById("username").value.length == 0) {
                document.getElementById("usernameError").innerHTML = "<span cl
ass='text-danger'><i>You did not enter your username</i></span>";
                flag = false;
            }
            else {
                document.getElementById("usernameError").innerHTML = "";
            }

            if (document.getElementById("password").value.length == 0) {
                document.getElementById("passwordError").innerHTML = "<span cl
ass='text-danger'><i>You did not enter your password</i></span>";
                flag = false;
            }
        }
    </script>
</head>
<body>
    <div class="container">
        <h1>Sign Up</h1>
        <form>
            <div class="form-group">
                <label>Username:</label>
                <input type="text" id="username" class="form-control" placeholder="Enter
username" />
            </div>
            <div class="form-group">
                <label>Password:</label>
                <input type="password" id="password" class="form-control" placeholder="Enter
password" />
            </div>
            <div class="form-group">
                <button type="submit" class="btn btn-primary" onclick="validation();">Sign Up</button>
            </div>
        </form>
    </div>
</body>
</html>
```

```

        else {
            document.getElementById("passwordError").innerHTML = "";
        }
        if (document.getElementById("password2").value != document.getElementById("password").value) {
            document.getElementById("password2Error").innerHTML = "<span class='text-danger'><i>Your input is different to your password</i></span>";
            flag = false;
        }
        else {
            document.getElementById("password2Error").innerHTML = "";
        }
        if (document.getElementById("email").value.length == 0) {
            document.getElementById("emailError").innerHTML = "<span class='text-danger'><i>You did not enter your email address</i></span>";
            flag = false;
        }
        else if (document.getElementById("email").value.indexOf "@" < 0) {
            document.getElementById("emailError").innerHTML = "<span class='text-danger'><i>Your input is invalid, it does not contain @</i></span>";
            flag = false;
        }
        else {
            document.getElementById("emailError").innerHTML = "";
        }
        return flag;
    }
</script>
</head>

<body>
    <div class="row" style="background-color:goldenrod">
        <div class="container">
            <div class="col-md-12 text-right font-weight-bold">
                <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a> &ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a>&ampnbsp &ampnbsp
                <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a>&ampnbsp &ampnbsp
            </div>
        </div>
    </div>
    <!-- Header part of the page within jumbotron -->
    <div class="jumbotron" style="background-color:goldenrod">

```

```
<div class="container">
    <div class="row">
        <div class="col-md-3">
            
        </div>
        <!-- Some navigation options at the top -->
        <div class="col-md-9 text-center font-weight-bold">
            <form>
                <!-- A search feature -->
                <br>
                <br>
                <div class="form-row container">
                    <div class="col-md-10">
                        <input type="text" class="form-control" name="searchbox" id="searchbox"
                               placeholder="Make a search here">
                    </div>
                    <div class="col-md-2 font-weight-bold">
                        <input type="submit" class="form-control btn btn-dark" value="Search">
                    </div>
                </div>
            </form>
            <hr style="height: 1em;">
            <!-- Navigation of the site -->
            <nav>
                <div class="row container bg-dark">
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-3_product_cate1.html " role="button" style="color: white;">ANIMAL
                            PRODUCTS</a>
                    </div>
                    <div class="col-md-4 font-weight-bold text-center">
                        <a href="Task5-3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
                    </div>
                </div>
            </nav>
        </div>
    </div>
</div>
```

```
</div>
<div class="container">
    <div class="container">
        <!-- Sign Up -->
        <h2>Sign up</h2>
        <form onsubmit="return validation()">
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="username">Username:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="username" id="username" />
                </div>
                <span class="col-md-3 col-3" id="usernameError"></span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password">Password:</label>
                <div class="col-md-6 col-5">
                    <input type="password" class="form-control" name="password" id="password" />
                </div>
                <span class="col-md-3 col-3" id="passwordError"></span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password2">Repeat Your Password:</label>
                <div class="col-md-6 col-5">
                    <input type="password" class="form-control" name="password2" id="password2" placeholder="Please Repeat Your Password" />
                </div>
                <span class="col-md-3 col-3" id="password2Error"></span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="email">Email:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="email" id="email" />
                </div>
                <span class="col-md-3 col-3" id="emailError"></span>
            </div>
        </form>
    </div>
</div>
```

```
        </span>
    </div>
    <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
        <div>
            <input type="submit" value="Sign Up">
        </div>
        &nbsp;
        <div>
            <input type="reset" value="Reset">
        </div>
    </div>
</form>
</div>
<footer>
    <small><i> This website belongs to a fictional company</i></small>
</footer>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-
    Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
    integrity="sha384-
    0gVRvuATP1z7JjHLku0U7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
```

The screenshot shows a web browser window with the title "Contact" and the URL "localhost:3000/SIT774/Task5-3_contact.html". The page has a yellow header bar with a white sidebar containing placeholder text "LOGO TEXT HERE". On the right side of the header are buttons for "About Us", "Support", "Contact", and "Login". Below the header is a search bar with the placeholder "Make a search here" and a "Search" button. A navigation menu at the bottom of the header includes "HOME", "ANIMAL PRODUCTS", and "VEGETABLES". The main content area is titled "Contact" and contains the text "Company contact details are placed here." Below this, a heading says "Please fill out the form to send us a message:". There are five input fields: "Name" (placeholder "Your Name"), "Email" (placeholder "Enter Email"), "Phone" (placeholder "Enter Phone Number"), "Subject" (placeholder "Subject of the Message"), and a large "Message" text area. To the right of each input field is a red error message: "You did not enter your name", "You did not enter your email address", "You did not enter your phone number", and "You must have a subject". At the bottom left is a note: "This website belongs to a fictional company".

Contact

Company contact details are placed here.

Please fill out the form to send us a message:

Name: Your Name *You did not enter your name*

Email: Enter Email *You did not enter your email address*

Phone: Enter Phone Number *You did not enter your phone number*

Subject: Subject of the Message *You must have a subject*

Message:

Submit Reset

This website belongs to a fictional company

Sign Up

localhost:3000/SIT774/Task5-3_sign_up.html

Apps Electronics 已匯入 娛樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun Ele... Tap for Beats Per Mi...

About Us Support Contact Login

LOGO TEXT HERE

Make a search here

Search

HOME ANIMAL PRODUCTS VEGETABLES

Sign up

Username: You did not enter your username

Password: You did not enter your password

Repeat Your Password: Please Repeat Your Password

Email: You did not enter your email address

This website belongs to a fictional company

27 Creating a Node Project

Create your own Node project.

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task explains the web technologies and demonstrates the design and implementation of a web service.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task explains the web technologies and demonstrates the design and implementation of a web service.

Date	Author	Comment
2020/09/18 00:33	Yiyang Hou	Can I have more time to work on these tasks please
2020/09/24 22:58	Yiyang Hou	Ready to Mark
2020/10/01 08:38	Michael Hobbs	Great, thanks!
2020/10/01 08:38	Michael Hobbs	Complete

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Creating a Node Project

Submitted By:

Yiyang HOU
houyiy
2020/09/24 22:58

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇
Web Service Design and Implementation	◆◆◆◆◆

This task explains the web technologies and demonstrates the design and implementation of a web service.

September 24, 2020



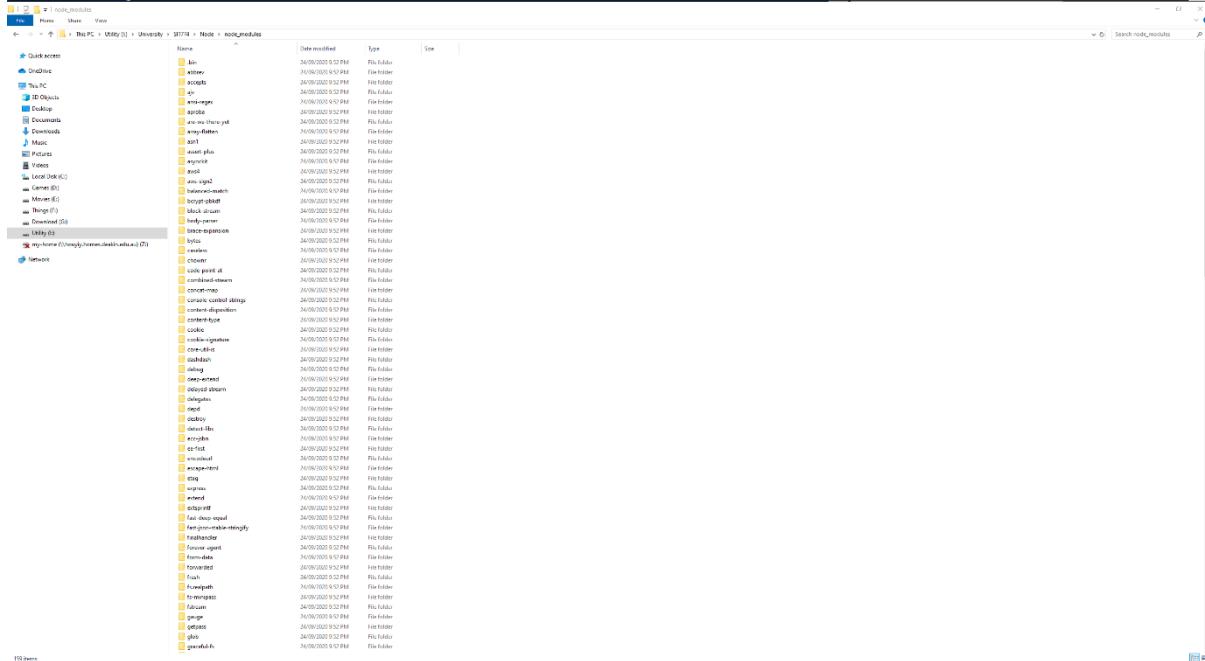
```
1 var express = require('express');
2 var app = express();
3
4 app.get('/', function(request, response){
5     response.send("Welcome to SIT774! This page was served dynamically from the
6     ↵ express server.");
7 });
8 app.use(express.static('public_html'));
9 app.listen(8080, function(){
10    console.log("Web server running at: http://localhost:8080");
11    console.log("Type Ctrl+C to shut down the web server");
12});
```

```
I:\University\SIT774\Node>node index.js
Web server running at: http://localhost:3000
Type Ctrl+C to shut down the web server
^C
I:\University\SIT774\Node>node index.js
Web server running at: http://localhost:3000
Type Ctrl+C to shut down the web server
^C
I:\University\SIT774\Node>node index.js
Web server running at: http://localhost:3000
Type Ctrl+C to shut down the web server
^C
I:\University\SIT774\Node>node index.js
Web server running at: http://localhost:8080
Type Ctrl+C to shut down the web server
^C
I:\University\SIT774\Node>clear
'clear' is not recognized as an internal or external command,
operable program or batch file.

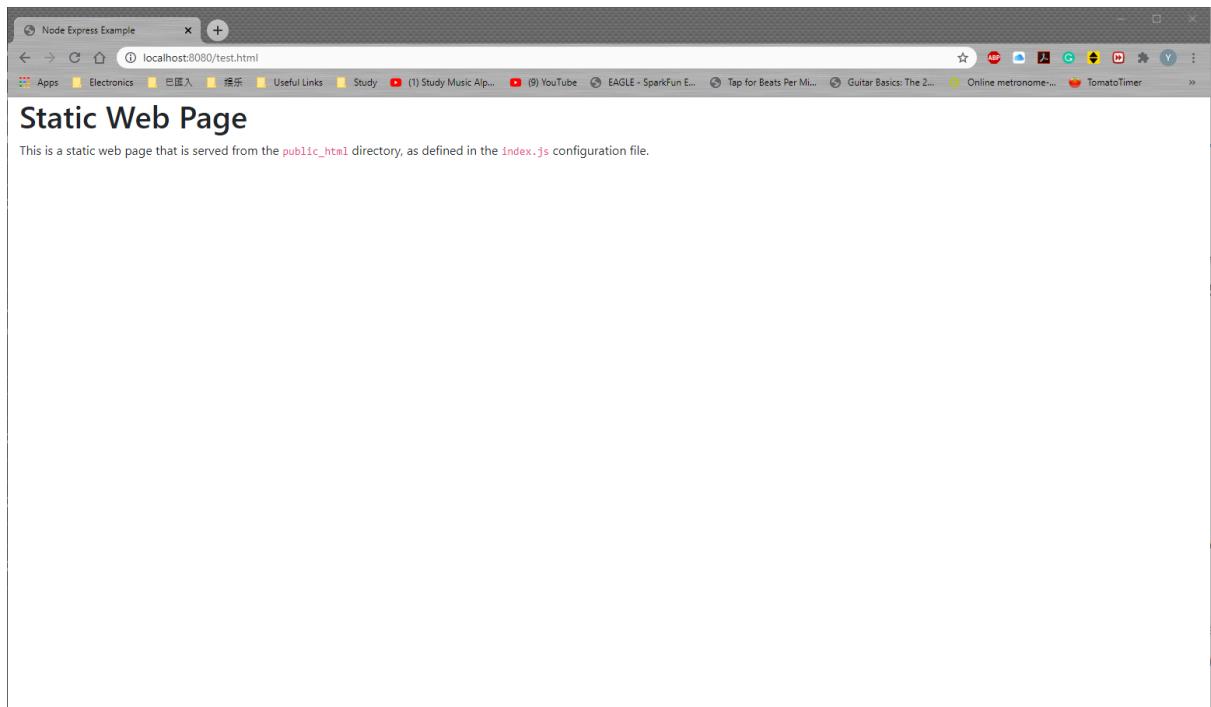
I:\University\SIT774\Node>npm ls express sqlite3 body-parser
sit774@1.0.0 I:\University\SIT774\Node
+-- body-parser@1.19.0
+-- express@4.17.1
| `-- body-parser@1.19.0 deduped
`-- sqlite3@5.0.0

I:\University\SIT774\Node>

```







28 Writing a Server Application

NodeJS programming

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task demonstrates the design and implementation of a web service as well as the explanation of the web technologies through practice.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the design and implementation of a web service as well as the explanation of the web technologies through practice.

Date	Author	Comment
2020/09/18 00:33	Yiyang Hou	Can I have more time to work on these tasks please
2020/10/05 23:00	Yiyang Hou	Ready to Mark
2020/10/05 23:00	Michael Hobbs	Time Exceeded
2020/10/06 16:59	Michael Hobbs	Also... I can see your submission and will get onto it tomorrow.
2020/10/12 19:10	Michael Hobbs	OK... done.
2020/10/12 19:10	Michael Hobbs	Complete

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Writing a Server Application

Submitted By:

Yiyang HOU
houyiy
2020/10/05 23:00

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the design and implementation of a web service as well as the explanation of the web technologies through practice.

October 5, 2020



```
1 // Require the express web application framework (https://expressjs.com)
2 var express = require('express');
3 // Create a new web application by calling the express function
4 var app = express();
5 // Get port from environment and store in Express.
6 var port = normalizePort(process.env.PORT || '8080');
7 app.set('port', port);
8 // Normalize a port into a number, string, or false.
9 function normalizePort(val) {
10     var port = parseInt(val, 10);
11     if (isNaN(port)) {
12         // named pipe
13         return val;
14     }
15     if (port >= 0) {
16         // port number
17         return port;
18     }
19     return false;
20 }
21 // Tell our application to serve all the files under the `public_html` directory
22 app.use(express.static('public_html'));
23 // *****NEW CODE*****
24 // This is a 'route' method to handle GET request for /powertable
25 app.get('/powertable', function (request, response) {
26     // Add the JS code here to send a message back to the client with the
27     // content of the page to be displayed.
28     response.write('<html><head>');
29     response.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com" +
30     "bootstrap/4.5.0/css/bootstrap.min.css'" +
31     "integrity='sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1' " +
32     "dKGj7Sk'" +
33     "crossorigin='anonymous'></head>");
34     response.write('<body> <div class="container">');
35     response.write('<h1>Table of Power 2 Values</h1>');
36     response.write('<p>The following table has been created dynamically in the' +
37     "express server and contains the values for <b>2^n</b> (for n=0 to 11)</p>");
38     response.write("<table class='table table-bordered'><tr>");
39     response.write("<th>Index</th></tr>");
40     response.write("<th>Value</th></tr>");
41     var power;
42     var value;
43     for(power = 0; power <=11; power++)
44     {
45         value = Math.pow(2,power);
46         response.write("<tr>");
47         response.write('<td>2 ^ ' + power + '</td>');
48         response.write('<td>' + value + '</td>');
49         response.write('</tr>');
50     }
51     response.write('</table>');
52     response.write('</div>');
53     src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"
```

```
49     integrity =
50     ↵   "sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
51     crossorigin = "anonymous"
52     src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
53     integrity =
54     ↵   "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
55     crossorigin = "anonymous"
56     src = "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
57     integrity =
58     ↵   "sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
59     crossorigin = "anonymous"
60     response.write('</body></html>');
61     response.send();
62   });
63   // *****NEW CODE*****
64   // Tell our application to listen to requests at port 3000 on the localhost
65   app.listen(port, function () {
66     // When the application starts, print to the console that our app is
67     // running at http://localhost:8080 (where the port number is 3000 by
68     // default). Print another message indicating how to shut the server down.
69     console.log(`Web server running at: http://localhost:${port}`);
70     console.log("Type Ctrl+C to shut down the web server");
71   });
72 }
```

A screenshot of a web browser window titled "localhost:8080/powertable". The browser interface includes a toolbar with icons for search, refresh, and other functions. Below the toolbar, there are several pinned tabs or links: "Apps", "Electronics", "已匯入", "娱乐", "Useful Links", "Study", "(1) Study Music Alp...", and "(9) YouTube". The main content area displays a title "Table of Power 2 Values" followed by a descriptive text: "The following table has been created dynamically in the express server and contains the values for 2^n (for n=0 to 11)". Below this text is a table with two columns: "Index" and "Value". The table lists powers of 2 from 2^0 to 2^{11} , with corresponding values 1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, and 2048.

Index	Value
2^0	1
2^1	2
2^2	4
2^3	8
2^4	16
2^5	32
2^6	64
2^7	128
2^8	256
2^9	512
2^{10}	1024
2^{11}	2048

29 Writing a Multi-Task Server Application

NodeJS programming

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task demonstrates the design and implementation of web service and explored web technologies.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the design and implementation of web service and explored web technologies.

Date	Author	Comment
2020/09/18 00:34	Yiyang Hou	Can I have more time to work on these tasks please
2020/10/08 03:25	Yiyang Hou	Ready to Mark
2020/10/08 03:25	Michael Hobbs	Time Exceeded
2020/10/12 19:10	Michael Hobbs	OK, good use of arguments in the route handlers....
2020/10/12 19:11	Michael Hobbs	A couple of points. Is there 'common' code in your handlers taht could be put into a single JS function?
2020/10/12 19:12	Michael Hobbs	Secondly... What happens if you entered: 'localhost:8080/powertable/three/twenty'?
2020/10/12 19:12	Michael Hobbs	What would you need to do to avoid/catch this?
2020/10/12 19:12	Michael Hobbs	Complete
2020/10/12 21:12	Yiyang Hou	Thanks for the feedback, The code that retrieves bootstrap features can be put into a single JS function.
2020/10/12 21:22	Yiyang Hou	If the numbers are replaced by text, the page will not work as intended, as no mathematical expressions can be conducted.

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Writing a Multi-Task Server Application

Submitted By:

Yiyang HOU
houyiy
2020/10/08 03:25

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the design and implementation of web service and explored web technologies.

October 8, 2020



```
1 // Require the express web application framework (https://expressjs.com)
2 var express = require('express');
3 // Create a new web application by calling the express function
4 var app = express();
5 // Get port from environment and store in Express.
6 var port = normalizePort(process.env.PORT || '8080');
7 app.set('port', port);
8 // Normalize a port into a number, string, or false.
9 function normalizePort(val) {
10     var port = parseInt(val, 10);
11     if (isNaN(port)) {
12         // named pipe
13         return val;
14     }
15     if (port >= 0) {
16         // port number
17         return port;
18     }
19     return false;
20 }
21 // Tell our application to serve all the files under the `public_html` directory
22 app.use(express.static('public_html'));
23 // *****NEW CODE*****
24 // This is a 'route' method to handle GET request for /powertable
25 app.get('/powertable', function (request, response) {
26     // Add the JS code here to send a message back to the client with the
27     // content of the page to be displayed.
28     response.write('<html><head>');
29     response.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com" +
30     "bootstrap/4.5.0/css/bootstrap.min.css'" +
31     "integrity='sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1'" +
32     "dKGj7Sk'" +
33     "crossorigin='anonymous'></head>");
34     response.write('<body> <div class="container">');
35     response.write('<h1>Table of Power 2 Values</h1>');
36     response.write('<p>The following table has been created dynamically in the' +
37     "express server and contains the values for <b>2^n</b> (for n=0 to 11)</p>");
38     response.write("<table class='table table-bordered'><tr>");
39     response.write("<th>Index</th>");
40     response.write("<th>Value</th></tr>");
41     let power, value;
42     for(power = 0; power <=11; power++)
43     {
44         value = Math.pow(2,power);
45         response.write("<tr>");
46         response.write('<td>2 ^ ' + power + '</td>');
47         response.write('<td>' + value + '</td>');
48         response.write('</tr>');
49     }
50     response.write('</table>');
51     response.write('</div>');
52     src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"
53     integrity =
54     "sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
```

```
49  crossorigin = "anonymous"
50  src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
51  integrity =
52    ↵ "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9I0Yy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
53  crossorigin = "anonymous"
54  src = "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
55  integrity =
56    ↵ "sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
57  crossorigin = "anonymous"
58  response.write('</body></html>');
59  response.send();
60 }});
61 // *****NEW CODE*****
62 app.get('/powertable/:base', function (req, response) {
63   let base = req.params.base;
64   response.write('<html><head>');
65   response.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com" +
66     ↵ "/bootstrap/4.5.0/css/bootstrap.min.css'"
67     ↵ " integrity='sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwaOH8WgZ15MYxFfc+NcPb1' +
68     ↵ "dKGj7Sk'
69     ↵ " crossorigin='anonymous'></head>");
70   response.write('<body> <div class="container">');
71   response.write(`<h1>Table of Power ${base} Values</h1>`);
72   response.write(`<p>The following table has been created dynamically in the
73   ↵ express server and contains the values for
74   ↵ <b>${base}<sup>n</b> (for n=0 to 11)</p>`);
75   response.write("<table class='table table-bordered'><tr>");
76   response.write("<th>Index</th>");
77   response.write("<th>Value</th></tr>");
78   let value, power;
79   for(power = 0; power <=11; power++)
80   {
81     value = Math.pow(base,power);
82     response.write("<tr>");
83     response.write(`<td>${base} ^ ${power} </td>`);
84     response.write(`<td>${value} </td>`);
85     response.write(`</tr>`);
86   }
87   response.write('</table>');
88   response.write('</div>');
89   src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"
90   integrity =
91    ↵ "sha384-DfXd2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
92   crossorigin = "anonymous"
93   src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
94   integrity =
95    ↵ "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9I0Yy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
96   crossorigin = "anonymous"
97   src = "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
98   integrity =
99    ↵ "sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
100  crossorigin = "anonymous"
101  response.write('</body></html>');
```

```
91     response.send();
92 });
93
94 app.get('/powertable/:base/:iteration', function (req, response) {
95     let base = req.params.base;
96     let iteration = req.params.iteration;
97     response.write('<html><head>');
98     response.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com`");
99     → /bootstrap/4.5.0/css/bootstrap.min.css'
100    → integrity='sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1`';
101    → dKGj7Sk'
102    → crossorigin='anonymous'></head>");
103     response.write('<body> <div class="container">');
104     response.write(`<h1>Table of Power ${base} Values</h1>`);
105     response.write(`<p>The following table has been created dynamically in the`  
→ express server and contains the values for  
→ <b>${base}</b> (for n=0 to ${iteration - 1})</p>`);
106     response.write("<table class='table table-bordered'><tr>");
107     response.write("<th>Index</th>");
108     response.write("<th>Value</th></tr>");
109     let value, power;
110     for(power = 0; power < iteration; power++)
111     {
112         value = Math.pow(base,power);
113         response.write("<tr>");
114         response.write(`<td>${base} ^ ${power}</td>`);  
→ response.write('<td>' + value + '</td>');
115         response.write('</tr>');
116     }
117     response.write('</table>');
118     response.write('</div>');
119     src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"
120     integrity =
121     → "sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
122     crossorigin = "anonymous"
123     src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
124     integrity =
125     → "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
126     crossorigin = "anonymous"
127     src = "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
128     integrity =
129     → "sha384-0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh/kR0JKI"
130     crossorigin = "anonymous"
131     response.write('</body></html>');
132     response.send();
133 });
134 // Tell our application to listen to requests at port 3000 on the localhost
135 app.listen(port, function () {
136     // When the application starts, print to the console that our app is
137     // running at http://localhost:8080 (where the port number is 3000 by
138     // default). Print another message indicating how to shut the server down.
139     console.log(`Web server running at: http://localhost:${port}`);
140     console.log("Type Ctrl+C to shut down the web server");
```

135 });

localhost:8080/powertable

localhost:8080/powertable

Table of Power 2 Values

The following table has been created dynamically in the express server and contains the values for 2^n (for n=0 to 11)

Index	Value
2^0	1
2^1	2
2^2	4
2^3	8
2^4	16
2^5	32
2^6	64
2^7	128
2^8	256
2^9	512
2^{10}	1024
2^{11}	2048

localhost:8080/powerstable/7

Table of Power 7 Values

The following table has been created dynamically in the express server and contains the values for 7^n (for n=0 to 11)

Index	Value
7^0	1
7^1	7
7^2	49
7^3	343
7^4	2401
7^5	16807
7^6	117649
7^7	823543
7^8	5764801
7^9	40353607
7^{10}	282475249
7^{11}	1977326743

A screenshot of a web browser window titled "localhost:8080/powerstable/7/30". The browser has several tabs open at the top, including "localhost:8080/powerstable/7/30", "Study Music Alp...", "YouTube", "EAGLE - SparkFun E...", "Tap for Beats Per Mi...", and "Guitar Basics: The 2...". Below the tabs is a toolbar with icons for search, refresh, and other functions. The main content area displays a table with two columns. The first column contains powers of 7 from 7^5 to 7^{29} , and the second column contains their corresponding numerical values.

7^5	16807
7^6	117649
7^7	823543
7^8	5764801
7^9	40353607
7^{10}	282475249
7^{11}	1977326743
7^{12}	13841287201
7^{13}	96889010407
7^{14}	678223072849
7^{15}	4747561509943
7^{16}	33232930569601
7^{17}	232630513987207
7^{18}	1628413597910449
7^{19}	11398895185373144
7^{20}	79792266297612000
7^{21}	558545864083284030
7^{22}	3909821048582988000
7^{23}	27368747340080914000
7^{24}	191581231380566400000
7^{25}	1.341068619663965e+21
7^{26}	9.387480337647754e+21
7^{27}	6.571236236353428e+22
7^{28}	4.5998653654474e+23
7^{29}	3.21990575581318e+24

30 Send a Response to the Received Data

NodeJS programming

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊

This task demonstrates the design and implementation of a web service.

Outcome	Weight
Client-side Application Design and Development	♦♦♦◊◊

This task demonstrates the design and implementation of a web service.

Outcome	Weight
Web Service Design and Implementation	♦♦♦♦♦

This task demonstrates the design and implementation of a web service.

Date	Author	Comment
2020/09/25 02:09	Yiyang Hou	Ready to Mark
2020/10/01 11:51	Michael Hobbs	Great! Thanks :)
2020/10/01 11:51	Michael Hobbs	Complete

Send a Response to the Received Data

Submitted By:

Yiyang HOU
houyiy
2020/09/25 02:09

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦◊◊
Web Service Design and Implementation	♦♦♦♦♦

This task demonstrates the design and implementation of a web service.

September 25, 2020



```
1 var express = require('express');
2 var bodyParser = require('body-parser');
3 var app = express();
4
5 app.use(express.static('public_html'));
6 app.use(bodyParser.urlencoded({ extended: false }));
7
8 app.post('/users', function(req, res, next){
9     let username = req.body.name;
10    let password = req.body.password;
11    let comment = req.body.comment;
12    let option = req.body.optradio;
13
14    res.write("<h1>Thank you for your query!</h1>");
15    res.write(`<b>Username entered:</b> ${username}<br><br>`);
16    res.write(`<b>Password entered:</b> ${password}<br><br>`);
17    res.write(`<b>Comment entered:</b> ${comment}<br><br>`);
18    res.write(`<b>option entered:</b> ${option}<br><br>`);
19    res.write("<h3>Looking forward to seeing you again!</h3>");
20    res.send();
21 });
22
23 app.listen(8080, function(){
24     console.log("Web server running at: http://localhost:8080");
25     console.log("Type Ctrl+C to shut down the web server");
26 });
```

Node Express Example

localhost:8080/form.html

Apps Electronics 已匯入 樂趣 Useful Links Study (1) Study Music Alp... YouTube EAGLE - SparkFun E... Tap for Beats Per Mi... Guitar Basics: The 2... Online metronome... TomatoTimer

Express Server Example

Simple Form

Please complete the form:

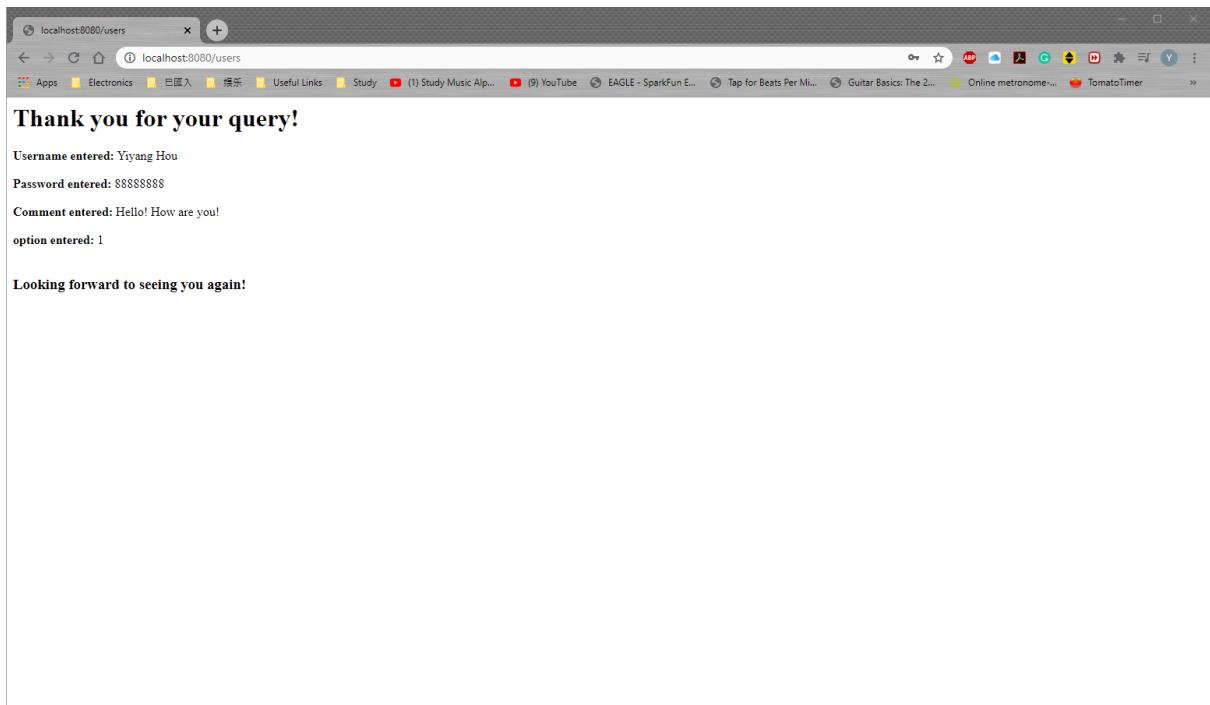
Name:
Yiyang Hou

Password:

Comment:
Hello! How are you!

Preferred contact:
 Email Mobile Post

Submit



31 Create a Response Page

NodeJS programming

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

In this task, the design and implementation of both client-side and server-side applications are demonstrated. Web technologies are also explained through practice.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◇◇

In this task, the design and implementation of both client-side and server-side applications are demonstrated. Web technologies are also explained through practice.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

In this task, the design and implementation of both client-side and server-side applications are demonstrated. Web technologies are also explained through practice.

Date	Author	Comment
2020/10/06 02:31	Yiyang Hou	Ready to Mark
2020/10/06 02:31	Michael Hobbs	Time Exceeded
2020/10/06 16:58	Michael Hobbs	I can see you submission.... will get onto it tomorrow.
2020/10/12 19:13	Michael Hobbs	OK... thanks.
2020/10/12 19:13	Michael Hobbs	Complete

Create a Response Page

Submitted By:

Yiyang HOU
houyiy
2020/10/06 02:31

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦◊◊
Web Service Design and Implementation	♦♦♦♦♦

In this task, the design and implementation of both client-side and server-side applications are demonstrated. Web technologies are also explained through practice.

October 6, 2020



```
1 var express = require('express');
2 var bodyParser = require('body-parser');
3 var app = express();
4
5 app.use(express.static('public_html'));
6 app.use(bodyParser.urlencoded({ extended: false }));
7
8 app.post('/survey', function(req, res, next){
9     var days, day, month, months, date, year, birthday, age;
10    days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday",
11        "Saturday"];
12    months = ["January", "February", "March", "April", "May", "June", "July",
13        "August", "September", "October", "November", "December"]
14    let firstname = req.body.fname;
15    let surname = req.body.sname;
16    let timeNow = new Date();
17    let gender = req.body.gender;
18    let postCode = req.body.postcode;
19    let bday = req.body.bday;
20    birthday = new Date(bday);
21    day = days[birthday.getDay()];
22    month = months[birthday.getMonth()];
23    date = birthday.getDate();
24    year = birthday.getFullYear();
25    age = (timeNow - birthday) / (60*60*24*1000);
26    let food = req.body.food;
27    let sport = req.body.sport;
28    let genre = req.body.genre;
29    let interests = req.body.interests;
30
31    res.write('<html><head>');
32    res.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com/boot"
33        "strap/4.5.0/css/bootstrap.min.css'"
34        "integrity='sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1"
35        "dKGj7Sk'
36        "crossorigin='anonymous'></head>");
37    res.write('<body> <div class="container">');
38    res.write("<h1 class='text-center'>SURVEY REPORT</h1>");
39    res.write("<div class='card my-3'>");
40    res.write("<div class='card-header bg-info text-white'>Survey Report"
41        " Details</div>");
42    res.write("<div class='card-body'>");
43    res.write(`<p>Thank you <b>'${firstname} ${surname}'<` 
44        "/b> for completing and submitting this survey. Please check carefully that the details
45        " are correct.
46    res.write(`<p>Survey report received on: <i>${timeNow}<` 
47        "/i></p>`);
48    res.write("<dl class='row'>");
49    res.write("<dt class='col-md-3 text-right'>Firstname Entered:</dt>");
50    res.write(`<dd class='col-md-9 text-left'>${firstname}<` 
51        "/dd>`");
52    res.write("<dt class='col-md-3 text-right'>Surname Entered:</dt>");
53    res.write(`<dd class='col-md-9 text-left'>${surname}<` 
54        "/dd>`");
55    res.write("<dt class='col-md-3 text-right'>Gender Entered:</dt>");
56    res.write(`<dd class='col-md-9 text-left'>${gender}<` 
57        "/dd>`");
```

```
45 res.write("<dt class='col-md-3 text-right'>Postcode Entered:</dt>");  
46 res.write(`<dd class='col-md-9 text-left'>${postCode}</dd>`);  
47 res.write("<dt class='col-md-3 text-right'>Birthday Entered:</dt>");  
48 res.write(`<dd class='col-md-9 text-left'>${bdy}</dd>`);  
49 res.write("<dt class='col-md-3 text-right'>You were born on:</dt>");  
50 res.write(`<dd class='col-md-9 text-left'>${day} ${date} of ${month},  
→ ${year}</dd>`);  
51 res.write("<dt class='col-md-3 text-right'>Age in days:</dt>");  
52 res.write(`<dd class='col-md-9 text-left'>${age}</dd>`);  
53 res.write("<dt class='col-md-3 text-right'>Favourite Food:</dt>");  
54 res.write(`<dd class='col-md-9 text-left'>${food}</dd>`);  
55 res.write("<dt class='col-md-3 text-right'>Favourite Sports:</dt>");  
56 res.write(`<dd class='col-md-9 text-left'>${sport}</dd>`);  
57 res.write("<dt class='col-md-3 text-right'>Favourite Movie Genre:</dt>");  
58 res.write(`<dd class='col-md-9 text-left'>${genre}</dd>`);  
59 res.write("<dt class='col-md-3 text-right'>Birthday Entered:</dt>");  
60 res.write(`<dd class='col-md-9 text-left'>${interests}</dd><br>`);  
61 res.write("</dl>");  
62 res.write("<p class='text-info'>Thank you for your time and our team will be in  
→ touch with you shortly.</p>");  
63 res.write("</div>");  
64 res.write("</div>");  
65 res.write('</div>');  
66 src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"  
integrity =  
→ "sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"  
68 crossorigin = "anonymous"  
69 src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"  
70 integrity =  
→ "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"  
71 crossorigin = "anonymous"  
72 src = "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"  
73 integrity =  
→ "sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh/kR0JKI"  
74 crossorigin = "anonymous"  
75 res.write('</body></html>');  
76 res.send();  
77 // let username = req.body.name;  
78 // let password = req.body.password;  
79 // let comment = req.body.comment;  
80 // let option = req.body.optradio;  
81  
82 // res.write("<h1>Thank you for your query!</h1>");  
83 // res.write(`<b>Username entered:</b> ${username}<br><br>`);  
84 // res.write(`<b>Password entered:</b> ${password}<br><br>`);  
85 // res.write(`<b>Comment entered:</b> ${comment}<br><br>`);  
86 // res.write(`<b>option entered:</b> ${option}<br><br>`);  
87 // res.write("<h3>Looking forward to seeing you again!</h3>");  
88 // res.send();  
89});  
90  
91 app.listen(8080, function(){
```

```
92     console.log("Web server running at: http://localhost:8080");
93     console.log("Type Ctrl+C to shut down the web server");
94 }
```

Node Express Example

localhost:8080/task9-2C.html

ONLINE SURVEY

Personal Info

Your Name: Yiyang Hou

Your Gender: Male Female

Your Postcode: 3000

Your Age: 21/09/1991

Interests

Your Favourite Food: Sushi

Your Favourite Sport: Soccer

Your Favourite Movie Genre: Action Drama Horror Comedy All

Your Interests (multiple): Reading Jogging Knitting Music Coding Fishing Talking Dancing

Submit FormReset Form

localhost:8080/survey

SURVEY REPORT

Survey Report Details

Thank you 'Yiyang Hou' for completing and submitting this survey. Please check carefully that the details below are correct.

Survey report received on: Tue Oct 06 2020 02:24:28 GMT+1100 (Australian Eastern Daylight Time)

Firstname Entered: Yiyang
Surname Entered: Hou
Gender Entered: Male
Postcode Entered: 3000
Birthday Entered: 1991-09-21
You were born on: Saturday 21 of September, 1991
Age in days: 10607.641990925926
Favourite Food: Sushi
Favourite Sports: Soccer
Favourite Movie Genre: Action
Birthday Entered: Jogging,Music,Coding

Thank you for your time and our team will be in touch with you shortly.

32 Server-side Validation of Data

NodeJS programming server-side validation

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◇◇

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

Outcome	Weight
Option Identification and Application Deployment	◆◆◆◆◆

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

Outcome	Weight
Achieved Outcome Justification	◆◆◆◆◆

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

Date	Author	Comment
2020/10/08 04:44	Yiyang Hou	Ready to Mark
2020/10/08 04:44	Michael Hobbs	Time Exceeded
2020/10/12 19:14	Michael Hobbs	OK... thanks.
2020/10/12 19:14	Michael Hobbs	Complete

Server-side Validation of Data

Submitted By:

Yiyang HOU
houyiy
2020/10/08 04:44

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦◊◊
Web Service Design and Implementation	♦♦♦♦♦
Option Identification and Application Deployment	♦♦♦♦♦
Achieved Outcome Justification	♦♦♦♦♦

This task demonstrates the design and implementation of web service and different options were explored. The outcome is supported by relevant evidence.

October 8, 2020



```
1 var express = require('express');
2 var bodyParser = require('body-parser');
3 var app = express();
4
5 app.use(express.static('public_html'));
6 app.use(bodyParser.urlencoded({ extended: false }));
7
8
9 app.post('/users', function (req, res, next) {
10     var response = '';
11     function validation() {
12         var flag;
13         flag = true;
14         if (username.length == 0) {
15             response += "Name field is not filled.<br>";
16             flag = false;
17         }
18         if (password.length < 8 || password.length > 20)
19         {
20             response += "Password is invalid.<br>";
21             flag = false;
22         }
23         if (comment.length >= 100)
24         {
25             response += "The comment is too long.<br>";
26             flag = false;
27         }
28         if (option == null)
29         {
30             response += "Selection was not made.<br>";
31             flag = false;
32         }
33         return flag;
34     }
35     var username = req.body.name;
36     var password = req.body.password;
37     var comment = req.body.comment;
38     var option = req.body.optradio;
39     var validity = validation();
40     if (validity) {
41
42         res.write(`<b>Username entered:</b> ${username}<br><br>`);
43         res.write(`<b>Password entered:</b> ${password}<br><br>`);
44         res.write(`<b>Comment entered:</b> ${comment}<br><br>`);
45         res.write(`<b>option entered:</b> ${option}<br><br>`);
46         res.write("<h3>Looking forward to seeing you again!</h3>");
47         res.send();
48     }
49     else {
50         res.write("<h1>Invalid Form</h1>");
51         res.write(response);
52         res.send();
53     }
}
```

```
54
55
56 });
57
58 app.listen(8080, function () {
59   console.log("Web server running at: http://localhost:8080");
60   console.log("Type Ctrl+C to shut down the web server");
61 });
```

Bootstrap Form

localhost:8080/form1.html

Apps Electronics 巴厘岛 美乐 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi... Guitar Basics: The 2...

Express Server Example

Simple Form

Please complete the form:

Name:
Yiyang Hou

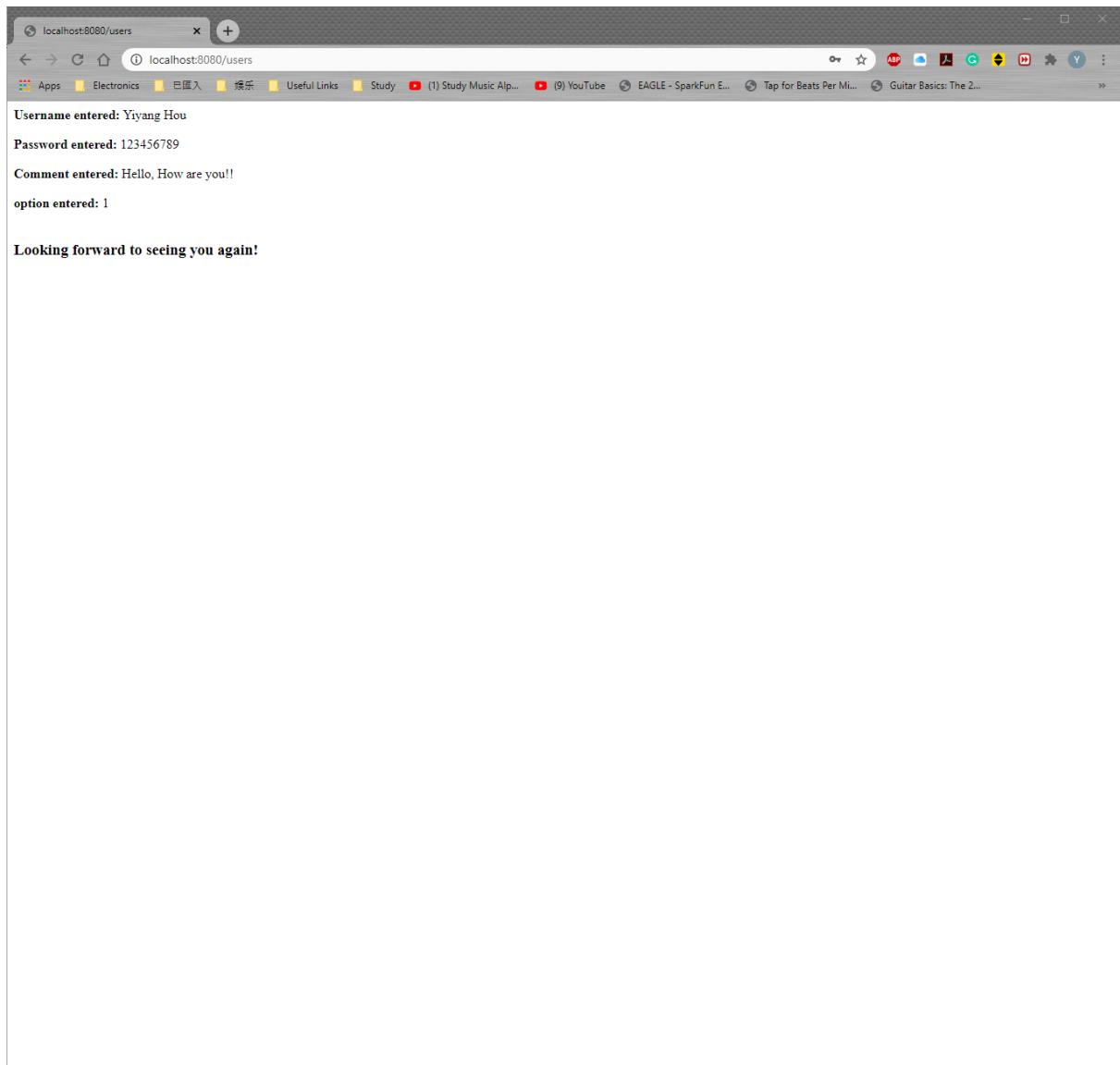
Password:

Comment:
Hello, How are you!!

G

Preferred contact:
 Email Mobile Post

Submit



Bootstrap Form

localhost:8080/form1.html

Apps Electronics 已插入 音乐 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E... Tap for Beats Per Mi... Guitar Basics: The 2...

Express Server Example

Simple Form

Please complete the form:

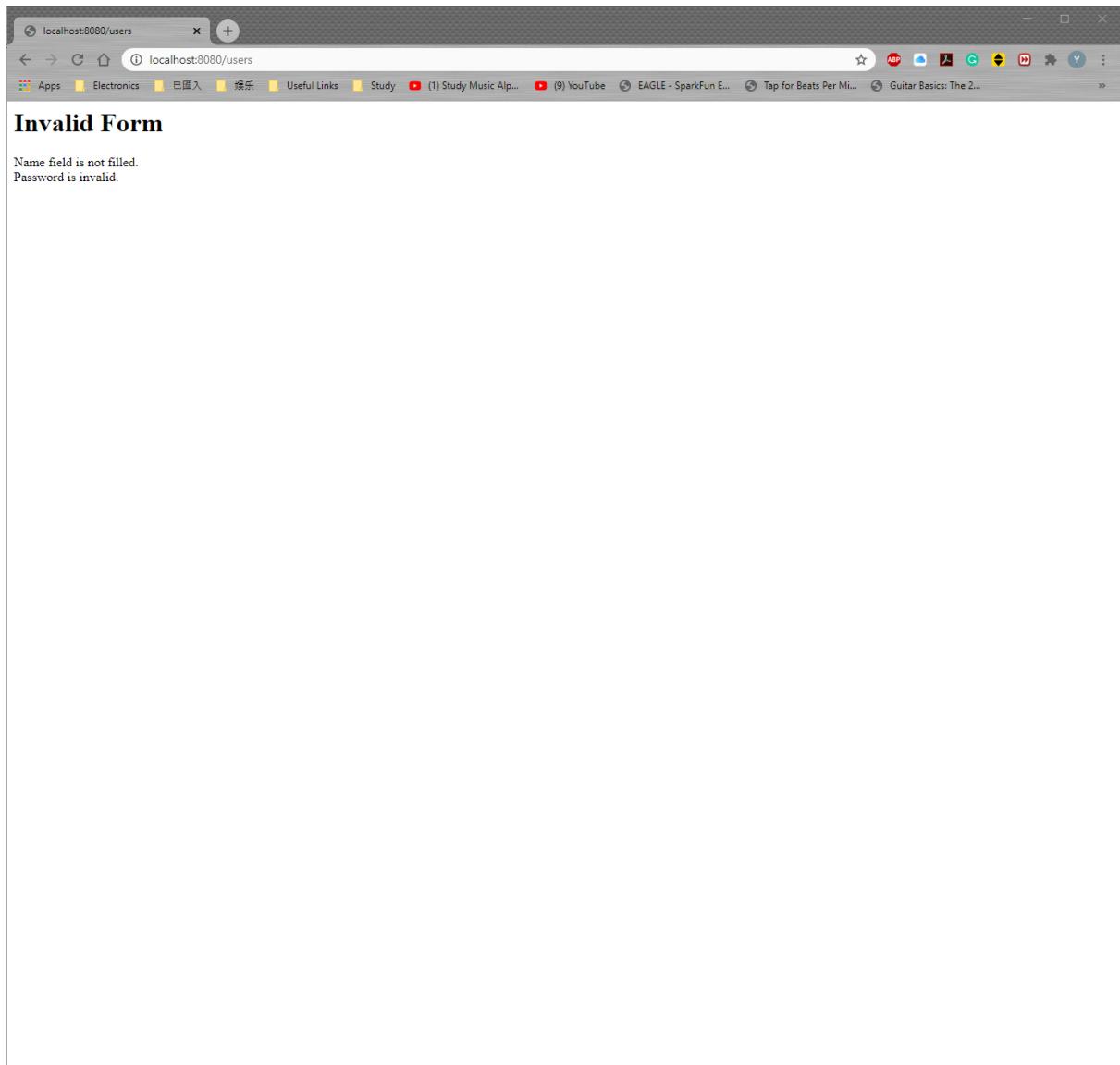
Name:

Password:

Comment:

Prefered contact:
 Email Mobile Post

Submit



33 Server Database for Website Project

NodeJS programming with database

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task demonstrates both client-side development as well as web service design and implementation. Web technologies are also explained in this task.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◇◇

This task demonstrates both client-side development as well as web service design and implementation. Web technologies are also explained in this task.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates both client-side development as well as web service design and implementation. Web technologies are also explained in this task.

Date	Author	Comment
2020/10/01 00:02	Yiyang Hou	Ready to Mark
2020/10/02 10:39	Michael Hobbs	Good work Yiyang!
2020/10/02 10:39	Michael Hobbs	Thanks
2020/10/02 10:39	Michael Hobbs	Complete

Server Database for Website Project

Submitted By:

Yiyang HOU
houyiy
2020/10/01 00:02

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦◊◊
Web Service Design and Implementation	♦♦♦♦♦

This task demonstrates both client-side development as well as web service design and implementation. Web technologies are also explained in this task.

October 1, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <title>Node Express Example</title>
6      <meta name="author" content="Yiyang Hou">
7      <meta name="description" content="Node Express Example">
8      <meta charset="utf-8">
9      <meta name="viewport" content="width=device-width, initial-scale=1,
10         ↵ shrink-to-fit=no">
11      <!-- Latest compiled and minified CSS -->
12      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
13         ↵ /css/bootstrap.min.css"
14             integrity="sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1_
15                 ↵ dKGj7Sk"
16                 ↵ crossorigin="anonymous">
17
18  </head>
19
20  <body>
21      <div class="container">
22          <h1>A simple Form</h1>
23          <p>Please complete the form:</p>
24          <form class="form-horizontal" action="/users" method="post">
25              <div class="form-group">
26                  <label class="control-label col-sm-2 text-weight-bold"
27                      ↵ for="usr">Name:</label>
28                  <input class="col-sm-10" type="text" class="form-control" id="usr"
29                      ↵ placeholder="Enter your name"
30                      ↵ name="name">
31              </div>
32              <div class="form-group">
33                  <label class="control-label col-sm-2 text-weight-bold"
34                      ↵ for="pwd">Password:</label>
35                  <input class="col-sm-10" type="password" class="form-control"
36                      ↵ id="pwd" placeholder="Enter password"
37                      ↵ name="password">
38              </div>
39              <div class="form-group">
40                  <label class="control-label col-sm-2 text-weight-bold"
41                      ↵ for="comment">Comment:</label>
42                  <textarea rows="5" class="col-sm-10" class="form-control"
43                      ↵ id="comment"
44                      ↵ name="comment" placeholder="Write your comments
45                          ↵ here..."></textarea>
46              </div>
47              <button type="submit" class="btn btn-info">Save User</button>
48          </form>
49          <br>
50          <form action="/users" method="GET">
51              <button type="submit" class="btn btn-info">Get Users</button>
52          </form>
53      </div>
54      <!-- Optional JavaScript -->
```

```
43    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
44    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
45        integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
46        ↵ CXaRkfj"
47        crossorigin="anonymous"></script>
48    <script
49        ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
50        integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoJ
51        ↵ xMfooAo"
52        crossorigin="anonymous"></script>
53    <script
54        ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
55        integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
56        ↵ /kROJKI"
57        crossorigin="anonymous"></script>
58    </body>
59
60    </html>
```

```
1 var sqlite3 = require('sqlite3').verbose();
2
3 // persistant file database.
4 var db = new sqlite3.Database('task10-1_DB');
5
6 db.serialize(function() {
7
8     db.run("CREATE TABLE IF NOT EXISTS User (name TEXT, password TEXT, comment
9           → TEXT)");
10
11     db.run("DELETE FROM User");
12
13 });
14
15 db.close();
16
17 console.log("Database 'task10-1_DB' created");
```

```
1 var express = require('express')
2 var bodyParser = require("body-parser");
3
4 var app = express();
5 var sqlite3 = require('sqlite3').verbose();
6
7 // persistant file database.
8 var db = new sqlite3.Database('task10-1_DB');
9
10 // now any files in public are routed
11 app.use(express.static('public_html'));
12
13 // Here we are configuring express to use body-parser as middle-ware.
14 app.use(bodyParser.urlencoded({ extended: false }));
15
16 // REST endpoint for posting a new user
17 app.post('/users', function (req, res, next) {
18
19     //insert the form data into the table User
20     var stmt = db.run(`INSERT INTO User VALUES ("${req.body.name}",
21         "${req.body.password}", "${req.body.comment}")`);
22
23     // still display the default web page in public folder, i.e. index.html, for
24     // next data entering
25     res.status(200).redirect('/form.html');
26 });
27
28 // REST endpoint for getting all user data
29 app.get('/users', function (req, res) {
30
31     // Display a web page table
32     res.write('<html><body>');
33     res.write("<h3> The User Collection Table </h3>");
34     res.write("<table><tr>");
35     res.write('<th width="150">Name</th>');
36     res.write('<th width="150">Password</th>');
37     res.write('<th width="150">comment</th><tr>');
38
39     // Retrieve data from table User on the server
40     // and display it in a web page table structure
41     db.all('SELECT * FROM User', function(err, rows){
42         rows.forEach(function (row){
43             res.write('<tr>');
44             res.write('<td width="150" align="center">' + row.name + '</td>');
45             res.write('<td width="150" align="center">' + row.password + '</td>');
46             res.write('<td width="150" align="center">' + row.comment + '</td></tr>');
47         });
48         res.write('</table>');
49         res.write('</body></html>');
50         res.send();
51     });
52 });
53
```

```
52 app.listen(8080, function(){
53   console.log("Web server running at: http://localhost:8080");
54   console.log("Type Ctrl+C to shut down the web server");
55 });


```

Node Express Example

localhost:8080/form.html

Apps Electronics 已匯入 樂趣 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E...

A simple Form

Please complete the form:

Name:

Password:

Comment:

[Save User](#)

[Get Users](#)

A screenshot of a web browser window titled "localhost:8080/users?". The browser interface includes a back/forward button, a search bar with the URL, and a toolbar with various icons. Below the toolbar, there is a horizontal menu bar with items like "Apps", "Electronics", "已匯入", "娱乐", "Useful Links", "Study", "(1) Study Music Alp...", "(9) YouTube", and "EAGLE - SparkFun E...". The main content area displays a table titled "The User Collection Table".

Name	Password	comment
Tom	lalala	I like SIT774!
Yiyang	12345678	Hello Mick!

34 User Validation by Using Database

NodeJS programming with database

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This task demonstrates the development and implementation of both the client-side and the server-side of the web application. Web technologies are also explained by completing the task.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◇

This task demonstrates the development and implementation of both the client-side and the server-side of the web application. Web technologies are also explained by completing the task.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This task demonstrates the development and implementation of both the client-side and the server-side of the web application. Web technologies are also explained by completing the task.

Date	Author	Comment
2020/10/09 19:05	Yiyang Hou	Ready to Mark
2020/10/09 19:05	Michael Hobbs	Time Exceeded
2020/10/12 19:15	Michael Hobbs	OK... good validation of user login.
2020/10/12 19:15	Michael Hobbs	Complete

User Validation by Using Database

Submitted By:

Yiyang HOU
houyiy
2020/10/09 19:05

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦♦◊
Web Service Design and Implementation	♦♦♦♦♦

This task demonstrates the development and implementation of both the client-side and the server-side of the web application. Web technologies are also explained by completing the task.

October 9, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <title>Node Express Example</title>
6      <meta name="author" content="Yiyang Hou">
7      <meta name="description" content="Node Express Example">
8      <meta charset="utf-8">
9      <meta name="viewport" content="width=device-width, initial-scale=1,
10         ↵ shrink-to-fit=no">
11      <!-- Latest compiled and minified CSS -->
12      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
13         ↵ /css/bootstrap.min.css"
14             integrity="sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
15                 ↵ dKGj7Sk"
16                 ↵ crossorigin="anonymous">
17
18  </head>
19  <body>
20      <div class="container">
21          <h1>Deakin Chess Club</h1>
22          <h2>Introductory Message</h2>
23          <p>Welcome to the website of the <i>Deakin Chess Club</i>! This site allows
24              ↵ existing members to login and view their match results. Please login
25              ↵ below:</p>
26          <form id="login" action="/login" method="post">
27              <div class="card-header bg-info text-white">Login</div>
28              <div class="card-body">
29                  <div class="form-group row">
30                      <label class="col-form-label col-md-2 col-4 text-right
31                         ↵ font-weight-bold"
32                         for="username">Username:</label>
33                      <div class="col-md-7 col-8">
34                          <input type="text" class="form-control" name="username"
35                             ↵ id="username" required>
36                      </div>
37                  </div>
38                  <div class="form-group row">
39                      <label class="col-form-label col-md-2 col-4 text-right
40                         ↵ font-weight-bold"
41                         for="password">Password:</label>
42                      <div class="col-md-7 col-8">
43                          <input type="password" class="form-control" name="password"
44                             ↵ id="password" required>
45                      </div>
46                  </div>
47                  <div>
48                      <input class="btn btn-primary" type="submit" value="Login">
49                  </div>
50              </div>
51          </form>
52      </div>
53      <!-- Optional JavaScript -->
54      <!-- jQuery first, then Popper.js, then Bootstrap JS -->
```

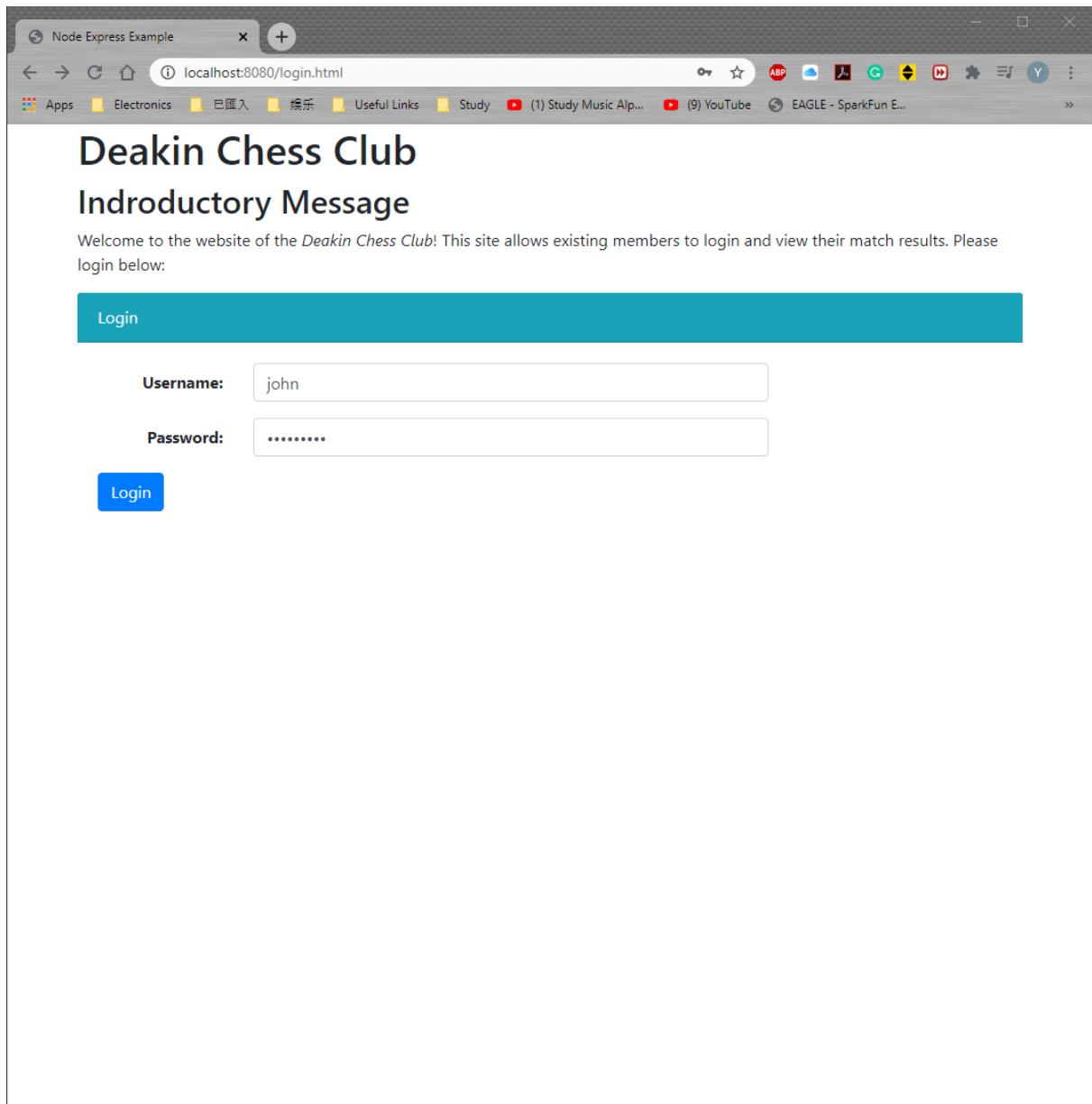
```
44 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
45   integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrJ
46   ↵ CXaRkfj"
47   crossorigin="anonymous"></script>
48 <script
49   ↵ src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
50   integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
51   ↵ xMfooAo"
52   crossorigin="anonymous"></script>
53 <script
54   ↵ src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
55   integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ip6Tp75j7Bh
      ↵ /kROJKI"
      crossorigin="anonymous"></script>
56 </body>
57
58 </html>
```

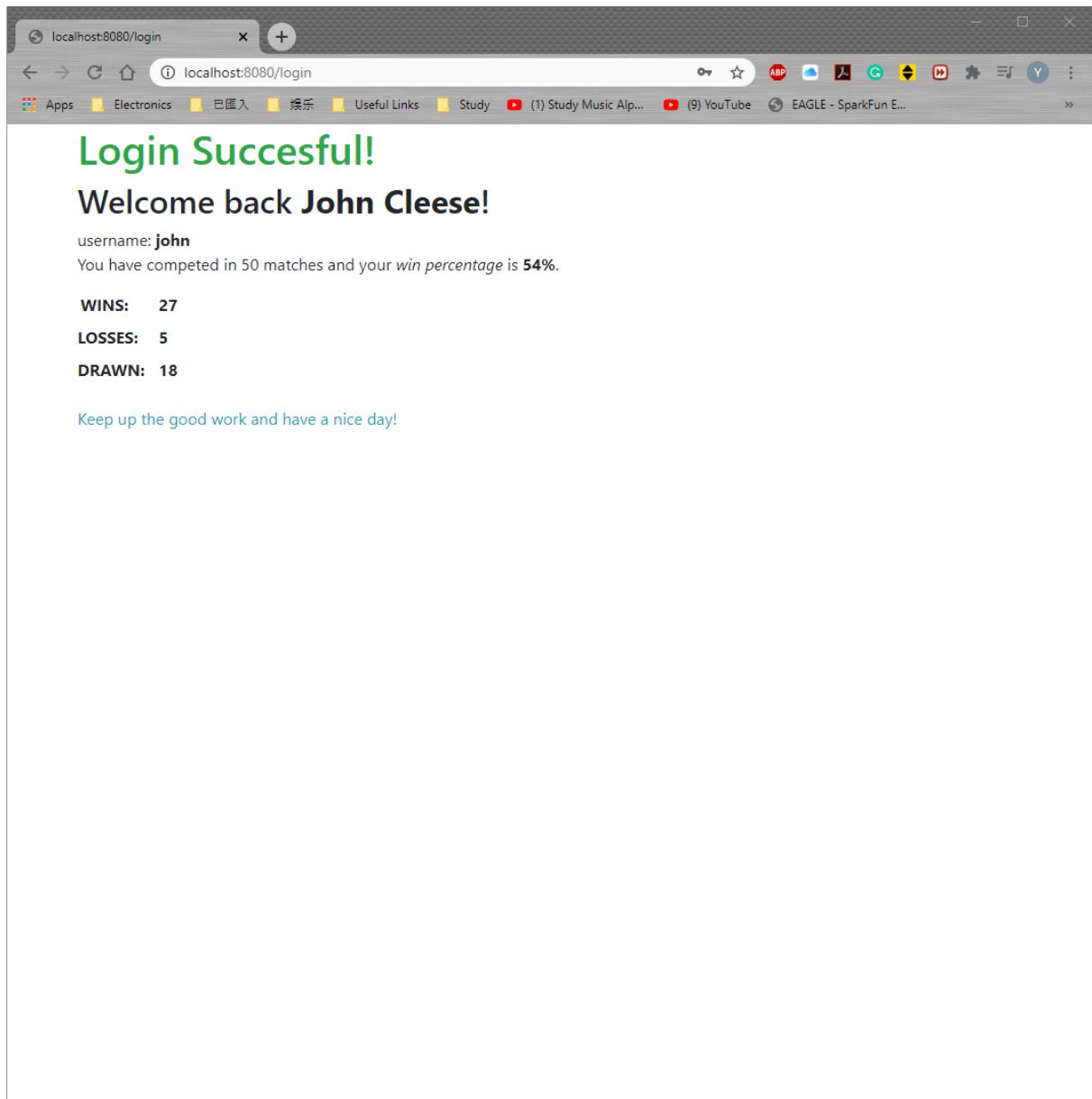
```

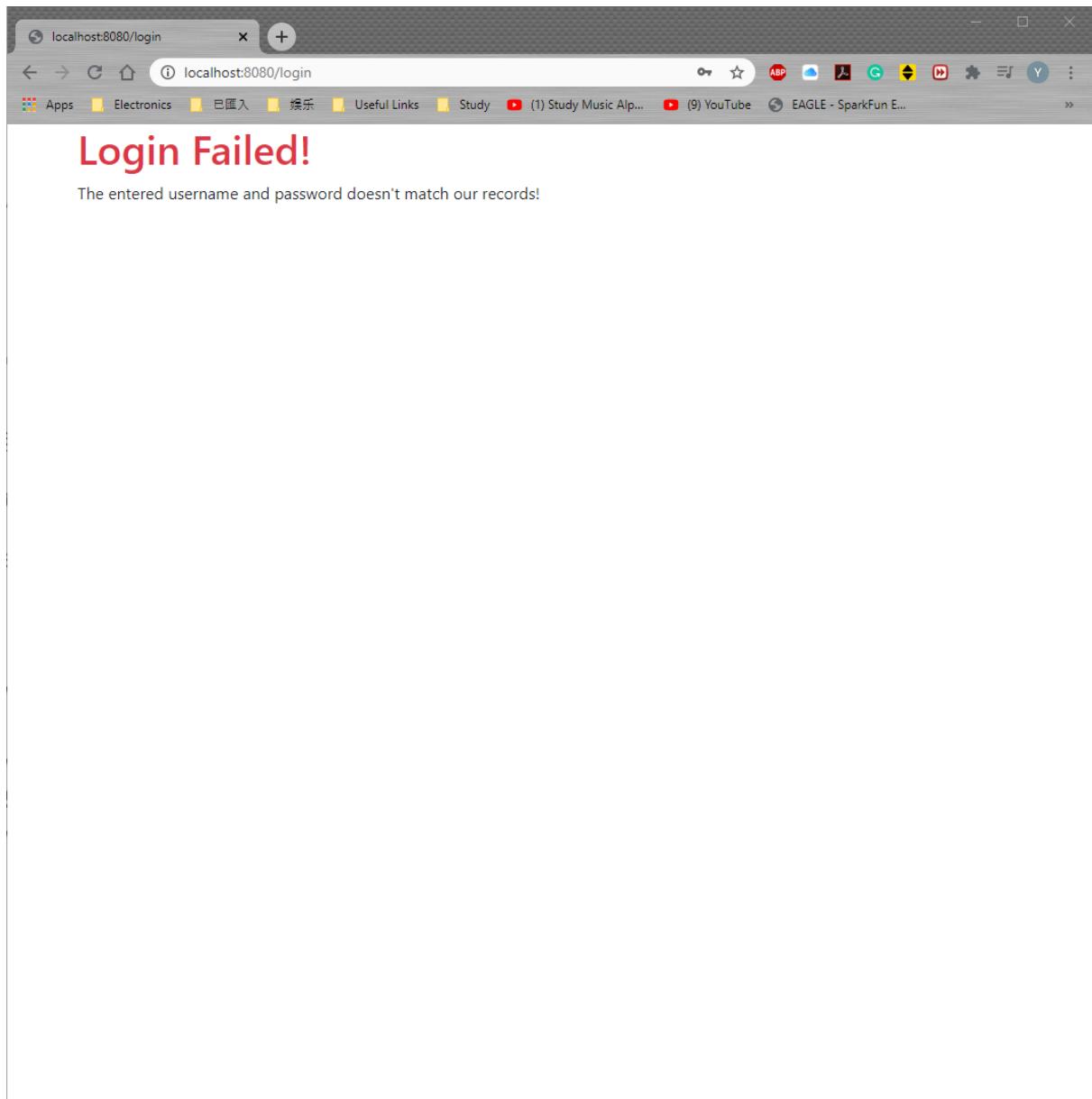
1  var express = require('express');
2  var bodyParser = require('body-parser');
3  var app = express();
4  var sqlite3 = require('sqlite3').verbose();
5
6  app.use(express.static('public_html'));
7  app.use(bodyParser.urlencoded({ extended: false }));
8
9 // persistant file database.
10 var db = new sqlite3.Database('task10-2_DB');
11
12
13 app.post('/login', function (req, res, next) {
14     var inputUsername = req.body.username;
15     var inputPassword = req.body.password;
16     res.write("<html><head>");
17     res.write("<link rel='stylesheet' href='https://stackpath.bootstrapcdn.com/boot"
18     ↵ strap/4.5.0/css/bootstrap.min.css"
19     ↵ integrity='sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1 '
20     ↵ dKGj7Sk'
21     ↵ crossorigin='anonymous'></head>");
22     res.write("<body><div class='container'>");
23     var sql = `SELECT * FROM users WHERE username="${inputUsername}" AND
24     ↵ password="${inputPassword}";`;
25     db.get(sql, function (err, row) {
26         if (row) {
27             var fullname = row.fullname;
28             var username = row.username;
29             var wins = row.won;
30             var losses = row.lost;
31             var drawn = row.drawn;
32             var total = wins + losses + drawn;
33             var winRate = (wins / total) * 100;
34             res.write("<h1 class='text-success'>Login Succesful!</h1>");
35             res.write(`<h2>Welcome back <b>${fullname}<`)
36             ↵ /b>!</h2><span> username: <b>${username}</b></span>`);
37             res.write(`<p>You have competed in ${total} matches and your <i>win
38             ↵ percentage</i> is <b>${winRate}%</b>.</p>`);
39             res.write("<dl class='row'>");
40             res.write("<dt class='col-md-1 text-right
41             ↵ text-weight-bold'>WINS:</dt>");
42             res.write(`<dd class='col-md-11 text-left'><b>${wins}</b></dd>`);
43             res.write("<dt class='col-md-1 text-right
44             ↵ text-weight-bold'>LOSSES:</dt>");
45             res.write(`<dd class='col-md-11 text-left'><b>${losses}</b></dd>`);
46             res.write("<dt class='col-md-1 text-right
47             ↵ text-weight-bold'>DRAWN:</dt>");
48             res.write(`<dd class='col-md-11 text-left'><b>${drawn}</b></dd>`);
49             res.write("</dl>");
50             res.write("<p class='text-info'>Keep up the good work and have a nice
51             ↵ day!</p>");
52         }
53     }

```

```
42     else {
43         res.write("<h1 class='text-danger'>Login Failed!</h1>");
44         res.write("The entered username and password doesn't match our
45             → records!");
46     }
47     res.write("</div>");
48     src = "https://code.jquery.com/jquery-3.5.1.slim.min.js"
49     integrity = "sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+
50         → OrCXaRkfj"
51     crossorigin = "anonymous"
52     src = "https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
53     integrity = "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRV_
54         → voxMfooAo"
55     crossorigin = "anonymous"
56     src =
57         → "https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
58     integrity = "sha384-0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7_
59         → Bh/kROJKI"
60     crossorigin = "anonymous"
61     res.write('</body></html>');
62     res.send();
63
64 }
65 });
66
67 db.serialize(function () {
68     db.run("CREATE TABLE IF NOT EXISTS users (id INTEGER PRIMARY KEY, username TEXT
69         → UNIQUE, password TEXT, fullname TEXT, won INTEGER, lost INTEGER, drawn
70         → INTEGER)");
71     db.run("DELETE FROM users");
72     db.run(`INSERT OR IGNORE INTO users VALUES("1", "mickeym", "cheese123",
73         → "Mickey Mouse", "3", "44", "3")`);
74     db.run(`INSERT OR IGNORE INTO users VALUES("2", "alfred", "pm1903aus",
75         → "Alfred Deakin", "43", "2", "5")`);
76     db.run(`INSERT OR IGNORE INTO users VALUES("3", "jane", "qwerty", "Jane
77         → Smith", "12", "35", "3")`);
78     db.run(`INSERT OR IGNORE INTO users VALUES("4", "john", "brian1979", "John
79         → Cleese", "27", "5", "18")`);
80     db.run(`INSERT OR IGNORE INTO users VALUES("5", "terry", "mointyp1969",
81         → "Terry jones", "34", "9", "7")`);
82 });
83
84 app.listen(8080, function () {
85     console.log("Web server running at: http://localhost:8080");
86     console.log("Type Ctrl+C to shut down the web server");
87 });
88 }
```







35 Complete Awsome Website Project

NodeJS programming with database

Outcome	Weight
Explain Web Technologies	◆◆◆◆◇

This is a project that focuses on front-end exploration, design and development.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◇

This is a project that focuses on front-end exploration, design and development.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This is a project that focuses on front-end exploration, design and development.

Outcome	Weight
Option Identification and Application Deployment	◆◆◆◆◇

This is a project that focuses on front-end exploration, design and development.

Date	Author	Comment
2020/10/11 23:11	Yiyang Hou	Ready to Mark
2020/10/11 23:11	Michael Hobbs	Time Exceeded
2020/10/12 19:23	Michael Hobbs	Hi Yiyang,
2020/10/12 19:32	Michael Hobbs	Thank you for your submission. You have provided a very neat/clean website incorporating a number of the extra BS components/features. It is not clear what research/experimentation you have needed to undertake to include these components into the page. Were they simple to incorporate? If not, what factors/issues did you have to address? Additionally, what factors did you consider to provide a 'positive user interaction experience' for the user with this components? Some of your thinking around the design/planning of this page would also be good. Finally, your <u>descriptions</u> of the features you have provided in the Wiki page are helpful in telling the reader what they are.... but not a great deal of detail in <u>how</u> a developer may include these in a website. OK.... I hope these comments make sense. I will mark this task for a resubmit.... Please let me know what your thoughts are on this. Cheers, Mick.
2020/10/12 19:32	Michael Hobbs	Fix and Resubmit

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Complete Awsome Website Project

Submitted By:

Yiyang HOU
houyiy
2020/10/11 23:11

Tutor:

Michael HOBBS

Outcome	Weight
Explain Web Technologies	♦♦♦♦◊
Client-side Application Design and Development	♦♦♦♦◊
Web Service Design and Implementation	♦♦♦♦♦
Option Identification and Application Deployment	♦♦♦♦◊

This is a project that focuses on front-end exploration, design and development.

October 11, 2020



```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <!-- Here is the head element-->
5
6  <head>
7      <title>Wiki Page</title>
8      <meta name="author" content="Yiyang Hou">
9      <meta name="description" content="Wiki Page">
10     <meta charset="utf-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1,
12         shrink-to-fit=no">
13     <!-- Latest compiled and minified CSS -->
14     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0_
15         /css/bootstrap.min.css"
16             integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1_
17                 ↵ dKGj7Sk"
18                 ↵ crossorigin="anonymous">
19     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/
15             e/4.7.0/css/font-awesome.min.css">
20     <link rel="stylesheet" href="project.css">
21 </head>
22
23 <body>
24     <nav class="navbar navbar-expand-md navbar-dark bg-dark">
25         <div class="container">
26             <button class="navbar-toggler" type="button" data-toggle="collapse"
27                 data-target="#navbarResponsive">
28                 <span class="navbar-toggler-icon"></span>
29             </button>
30             <div class="collapse navbar-collapse" id="navbarResponsive">
31                 <ul class="navbar-nav ml-auto">
32                     <li class="nav-item">
33                         <a class="btn btn-dark" href="wikiPage.html"
34                             role="button">Wiki</a>
35                     </li>
36                     <li class="nav-item">
37                         <a class="btn btn-dark" href="Task5-3_about_us.html"
38                             role="button">About Us</a>
39                     </li>
40                     <li class="nav-item">
41                         <a class="btn btn-dark" href="Task5-3_support.html"
42                             role="button">Support</a>
43                     </li>
44                     <li class="nav-item">
45                         <a class="btn btn-dark" href="Task5-3_contact.html"
46                             role="button">Contact</a>
47                     </li>
48                     <li class="nav-item">
49                         <a class="btn btn-dark" href="Task5-3_login.html"
50                             role="button">Login</a>
51                     </li>
52                 </ul>
53             </div>
54         </div>
55     </nav>
56
57     <div class="container">
58         <h1>Welcome to our Wiki Page</h1>
59         <p>This page contains information about our company and how to contact us.</p>
60         <p>Please feel free to browse through the links above to learn more about us.</p>
61     </div>
62
63 </body>
64
65 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
66         integrity="sha384-9gU0CdR8SAwCoQKfUJZ8vIuXtEzJZyGZq3L7PwQzqV9aWg4qjQ&lt;script>
67             <!-- Latest compiled and minified JavaScript -->
68             <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0-
69                 /js/bootstrap.bundle.min.js">
70             </script>
71         </script>
72
73 </html>
```

```
43         </div>
44     </div>
45 </nav>
46
47     <!-- Header part of the page within jumbotron --&gt;
48 &lt;div class="jumbotron" style="background-color:goldenrod"&gt;
49     &lt;div class="container"&gt;
50         &lt;div class="row"&gt;
51             &lt;div class="col-md-2"&gt;
52                 &lt;img src="logo.png" alt="Logo" style="width: 80%;"&gt;
53             &lt;/div&gt;
54             &lt;!-- Some navigation options at the top --&gt;
55             &lt;div class="col-md-10 text-center font-weight-bold"&gt;
56                 &lt;form&gt;
57                     &lt;!-- A search feature --&gt;
58                     &lt;div class="form-row container"&gt;
59                         &lt;div class="col-md-10 col-12"&gt;
60                             &lt;input type="text" class="form-control" 
61                                 name="searchbox" id="searchbox" 
62                                 placeholder="Make a search here"&gt;
63                         &lt;/div&gt;
64                         &lt;div class="col-md-2 font-weight-bold"&gt;
65                             &lt;input type="submit" class="form-control btn" 
66                                 value="Search"&gt;
67                         &lt;/div&gt;
68                     &lt;/div&gt;
69                 &lt;/form&gt;
70             &lt;/div&gt;
71             &lt;hr style="height: 1em;"&gt;
72             &lt;!-- Navigation of the site --&gt;
73             &lt;nav class="bg-dark sticky-top"&gt;
74                 &lt;div class="row"&gt;
75                     &lt;div class="col-md-4 font-weight-bold text-center"&gt;
76                         &lt;a href="Task5-3_home.html" role="button" style="color: 
77                             white;"&gt;HOME&lt;/a&gt;
78                     &lt;/div&gt;
79                     &lt;div class="col-md-4 font-weight-bold text-center"&gt;
80                         &lt;a href="Task5-3_product_cate1.html" role="button" 
81                             style="color: white;"&gt;ANIMAL PRODUCTS&lt;/a&gt;
82                     &lt;/div&gt;
83                     &lt;div class="col-md-4 font-weight-bold text-center"&gt;
84                         &lt;a href="Task5-3_product_cate2.html" role="button" 
85                             style="color: white;"&gt;VEGETABLES&lt;/a&gt;
86                     &lt;/div&gt;
87                 &lt;/div&gt;
88             &lt;/nav&gt;
89         &lt;/div&gt;
90         &lt;div class="container"&gt;
91             &lt;nav aria-label="breadcrumb"&gt;
92                 &lt;ol class="breadcrumb"&gt;
93                     &lt;li class="breadcrumb-item"&gt;&lt;a 
94                         href="Task5-3_home.html"&gt;Home&lt;/a&gt;&lt;/li&gt;</pre>
```

```
91         <li class="breadcrumb-item active" aria-current="page">Wiki</li>
92     </ol>
93   </nav>
94   <h2>Wiki</h2>
95   <br>
96   <h4>Information</h4>
97   <p>This project focuses on exploring the extended Bootstrap components and
98     ↳ features to further refine
99     the
100    presentation of the website to make it look as professional as possible
101      ↳ and offer the users with a positive
102        user experience and easy to use interactions.
103        Several features
104          are explored and implemented.
105      </p>
106      <dl>
107        <dt><b>Navbar</b></dt>
108        <dd><i>navbar</i>, <i>navbar-expand</i> are used to enable responsive
109          ↳ collapsing for navigation bar. It is implemented as such: a button
110            ↳ with
111              <i>navbar-toggler</i> feature targets an element with
112                ↳ <i>collapse</i> class
113                  by its ID. The outcome of this feature is that if the size of the
114                    ↳ window is smaller than a certain point, the nav bar will
115                      ↳ collapse and turn into a
116                        drop-down menu button that contains all the navigation elements.
117                          ↳ The navigation options will be contained within the drop-down
118                            ↳ menu is because each of the
119                              options has a <i>nav-item</i> class on them which classifies them
120                                ↳ as a part of the navigation element.
121      </dd>
122      <dt><b>Social media icons</b></dt>
123      <dd>When social media icons are required, class <i>social</i> and
124        ↳ <i>fa</i> can be useful. With external
125          style sheet injected from
126            <i>"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/f
127              ↳ ont-awesome.min.css"</i>,
128                specific social media icons can be retrieved (eg.
129                  ↳ <i>fa-facebook</i> will give you Facebook icon).
130                  Further styling can also be done
131                    after retrieving the icons with CSS, on this page, the size, colour
132                      ↳ scheme and mouse hover effect is
133                        added to the icons.</dd>
134      <dt><b>Background image for jumbotron</b></dt>
135      <dd> A background image can be put on jumbotron by using CSS style
136        ↳ rules <i>.jumbotron{
137          background: url(agriculture.jpg) no-repeat center center fixed;
138          background-size: cover;}</i> These rules load the image, set it
139            ↳ to be "no-repeat" and covers up the
140              entire
141                jumbotron area. The image is also fixed in the center, it doesn't
142                  ↳ move as the page gets scrolled by the user.
143
144
145
146
```

```
127      </dd>
128      <dt><b>Breadcrumb</b></dt>
129      <dd>On each subpages other than the home page, <i>breadcrumb</i> can be
130          ↳ added
131          to offer a convinient functionality. <i>Breacrumb</i> is a feature
132              ↳ indicates the current page's location within
133              a website. It indicates a navigational heirarchy of pages.
134                  ↳ <i>Breadcrumb</i> needs to be true to the
135                  structure of the website to avoid causing confusions for the users.
136                      ↳ <i>Breadcrumb</i> is implemented by have
137                      <i>breadcrumb</i> class on a ordered list element, each list item
138                          ↳ contains a link to a specific page and
139                          has a <i>breadcrumb-item</i> class on them. The item up the list
140                          has higher heirarchy. The item that represents the current page
141                              ↳ doesn't need to link to any page.
142      </dd>
143      <dt><b>Badges</b></dt>
144      <dd><i>badges</i> are small labels used to count or label elements.
145          ↳ This feature can be implemented by have
146          a <i>span</i> tag next to
147          the element you want to label and put a <i>badge</i> class on the
148              ↳ <i>span</i> tag. This will enable the
149              badge to
150              appear next to the desired element.</dd>
151      <dt><b>Pagination</b></dt>
152      <dd><i>Pagination</i> offers a list of pages that allows the users to
153          ↳ navigate through,
154          especially useful for long list of contents. <i>Pagitation</i> can
155              ↳ be implemented by putting
156              <i>pagitation</i> class on an unordered list
157              , each list item has<i>page-item</i> class on them, they can be
158                  ↳ either a previous button, a next button
159                  or any specific page number. each of them
160                  refers to another page, and the previous button counts down on the
161                      ↳ index of the page list, while the
162                      next button counts up.</dd>
163      </dl>
164      <br><br>
165
166      </div>
167      <!-- footer -->
168      <footer>
169          <div class="container-fluid padding bg-dark text-center">
170              <small class="text-light"><i> This website belongs to a fictional
171                  ↳ company</i></small>
172          </div>
173      </footer>
174
175      <!-- Optional JavaScript -->
176      <!-- jQuery first, then Popper.js, then Bootstrap JS -->
177      <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
178          integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+Or
179              ↳ CXaRkfj" />
```

```
166      crossorigin="anonymous">></script>
167  <script
168    ↵  src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
169    integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvo
170    ↵  xMfooAo"
171    crossorigin="anonymous">></script>
172  <script
173    ↵  src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
174    integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh
175    ↵  /kR0JKI"
176    crossorigin="anonymous">></script>
177
178  </body>
179
180</html>
```

```
1 // Require the express web application framework (https://expressjs.com)
2 var express = require('express')
3
4 // Create a new web application by calling the express function
5 var app = express()
6 // Get port from environment and store in Express.
7 var port = normalizePort(process.env.PORT || '3000');
8 app.set('port', port);
9 var cors = require('cors')
10
11 app.use(cors())
12
13 /**
14 * Normalize a port into a number, string, or false.
15 */
16 function normalizePort(val) {
17   var port = parseInt(val, 10);
18
19   if (isNaN(port)) {
20     // named pipe
21     return val;
22   }
23
24   if (port >= 0) {
25     // port number
26     return port;
27   }
28
29   return false;
30 }
31
32
33 // Tell our application to serve all the files under the `public_html` directory
34 app.use(express.static('public_html'))
35
36 // Tell our application to listen to requests at port 3000 on the localhost
37 app.listen(port, function () {
38   // When the application starts, print to the console that our app is
39   // running at http://localhost:3000 (where the port number is 3000 by
40   // default). Print another message indicating how to shut the server down.
41   console.log(`Web server running at: http://localhost:${port}`)
42   console.log("Type Ctrl+C to shut down the web server")
43 })
```

Homepage for a Fictional Business x +

localhost:3000/SIT774/Task5-3_home.html

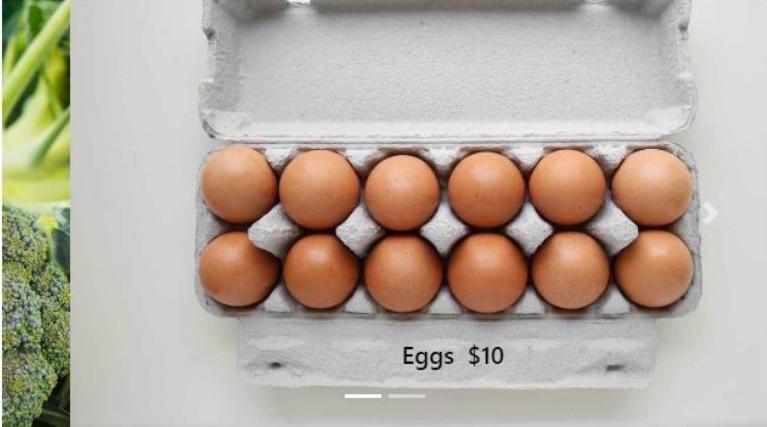
Apps Electronics 已匯入 樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E...

Wiki About Us Support Contact Login

LOGO TEXT HERE Make a search here Search

HOME ANIMAL PRODUCTS VEGETABLES

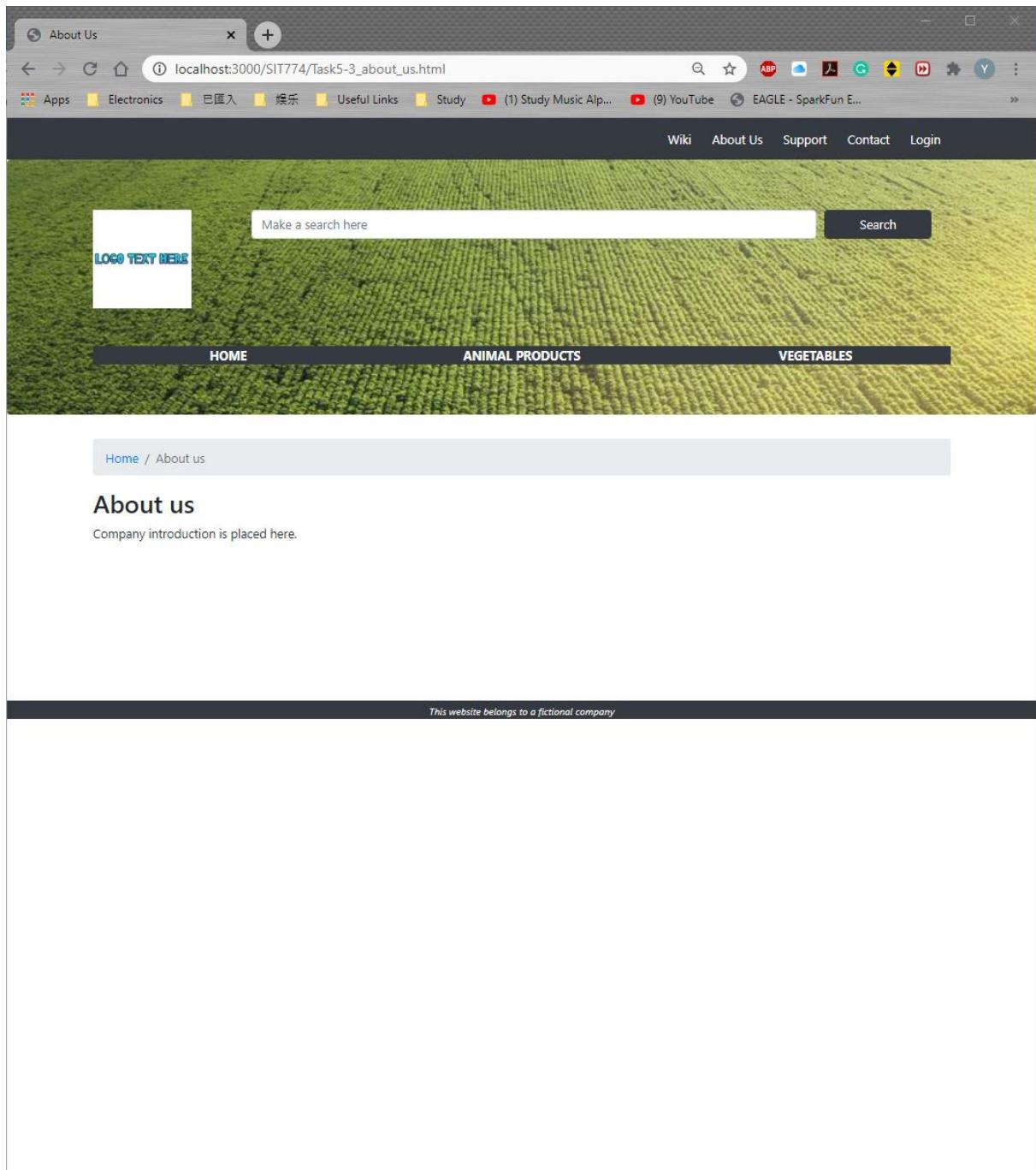
Highlight of the Week!

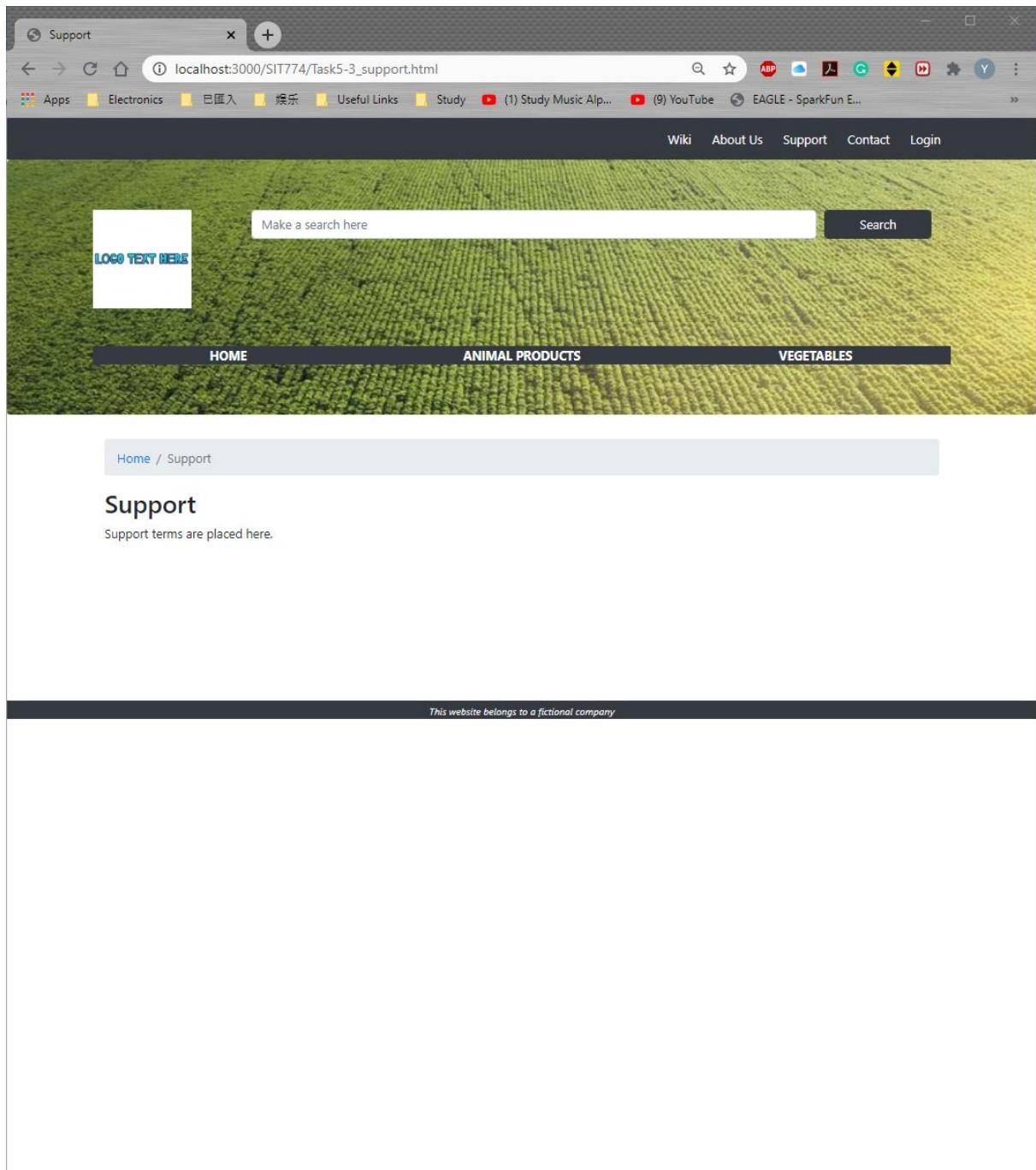


Social Media

f in tw You Tube

This website belongs to a fictional company





A screenshot of a web browser window displaying a contact form page. The browser's address bar shows the URL as `localhost:3000/SIT774/Task5-3_contact.html`. The page has a header with a search bar containing "Make a search here" and a "Search" button. A placeholder text "LOGO TEXT HERE" is visible in a white box. The main navigation menu includes links for "HOME", "ANIMAL PRODUCTS", and "VEGETABLES". Below the menu, a breadcrumb trail shows "Home / Contact". The main content area is titled "Contact" and contains the following text: "Company contact details are placed here." A large heading "Please fill out the form to send us a message:" is followed by a form with fields for Name, Email, Phone, Subject, and Message, along with "Submit" and "Reset" buttons. A small note at the bottom states "This website belongs to a fictional company".

Contact

Company contact details are placed here.

Please fill out the form to send us a message:

Name:

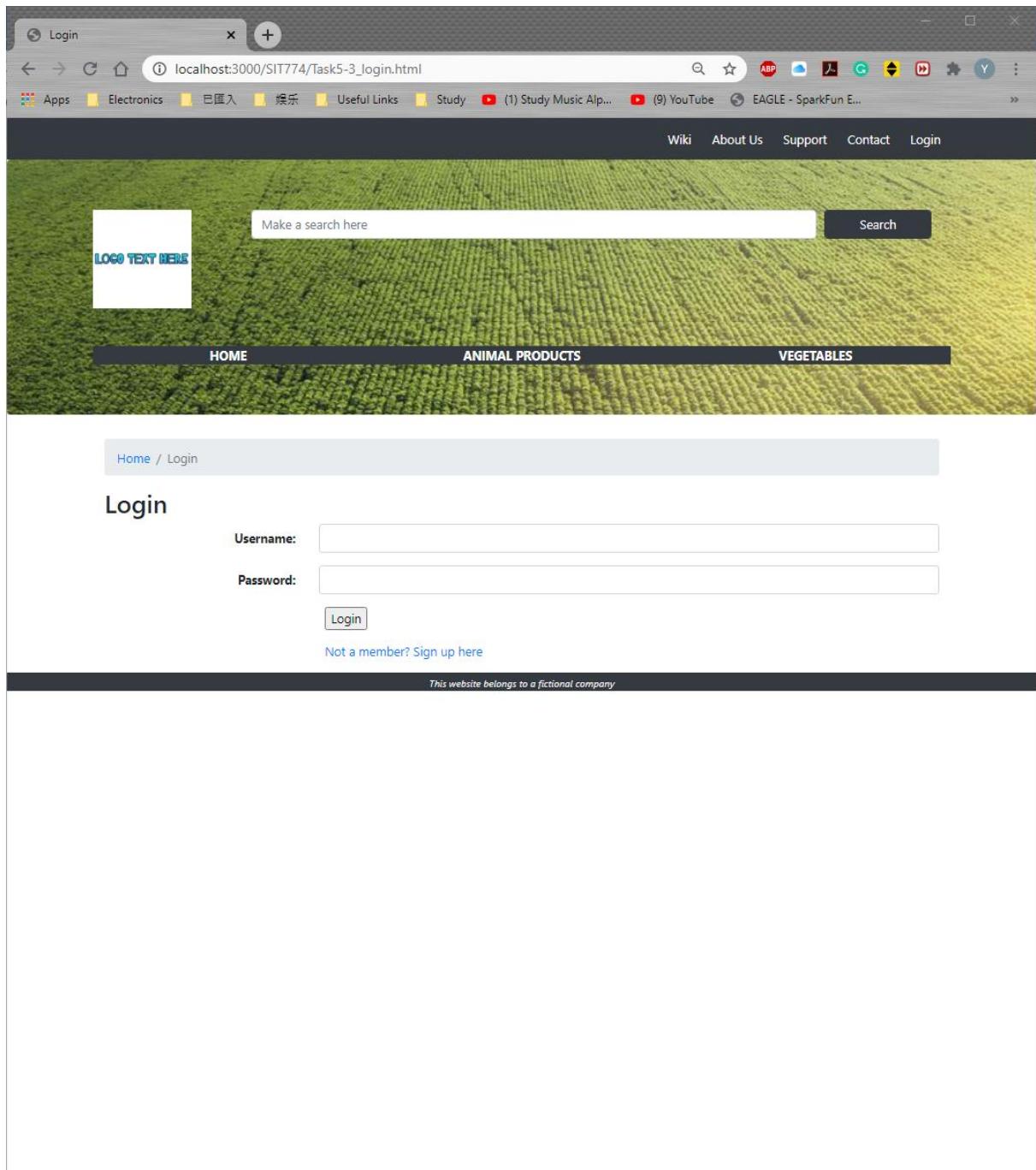
Email:

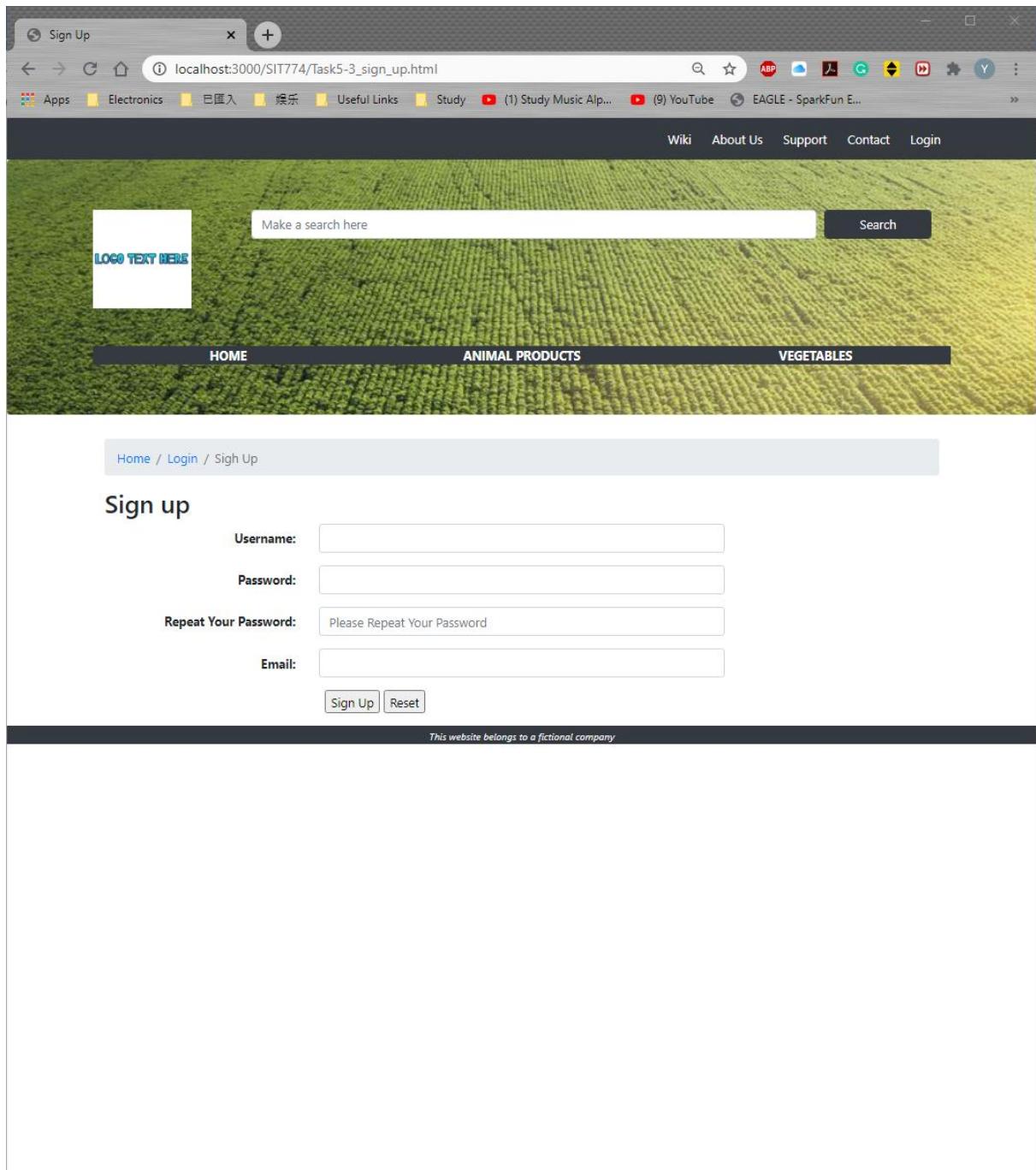
Phone:

Subject:

Message:

This website belongs to a fictional company





Animal Products

localhost:3000/SIT774/Task5-3_product_cate1.html

Wiki About Us Support Contact Login

Make a search here

Search

LOGO TEXT HERE

HOME ANIMAL PRODUCTS VEGETABLES

Home / Animal Products

ANIMAL PRODUCTS

Eggs \$10 New

« 1 »

This website belongs to a fictional company

Eggs

localhost:3000/SIT774/Task5-3_product1.html

Wiki About Us Support Contact Login

Make a search here

Search

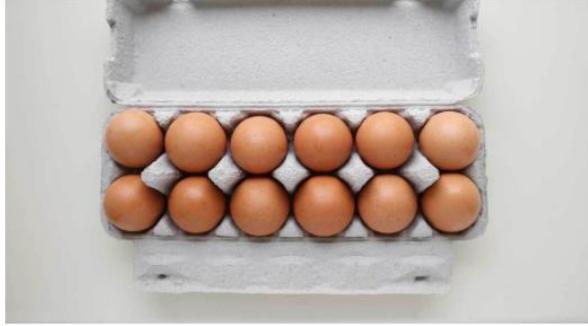
LOGO TEXT HERE

HOME ANIMAL PRODUCTS VEGETABLES

Home / Animal Products / Eggs

Back to Animal Products

Eggs



Description
It's good for you!

This website belongs to a fictional company

Screenshot of a web browser displaying a website for "Vegetables".

The browser window shows the URL `localhost:3000/SIT774/Task5-3_product_cate2.html`. The page has a header with a search bar ("Make a search here") and a "Search" button. A placeholder text "LOGO TEXT HERE" is visible on the left.

The main navigation menu includes links for "HOME", "ANIMAL PRODUCTS", and "VEGETABLES".

The breadcrumb navigation shows the path: [Home](#) / Vegetables.

VEGETABLES

A product card for "Broccoli" is displayed, showing a image of broccoli and the text "Broccoli \$10".

Pagination controls at the bottom indicate page 1 of 1.

A footer note states: *This website belongs to a fictional company*.

Broccoli

localhost:3000/SIT774/Task5-3_product2.html

Apps Electronics 已匯入 娛樂 Useful Links Study (1) Study Music Alp... (9) YouTube EAGLE - SparkFun E...

Wiki About Us Support Contact Login

LOGO TEXT HERE

Make a search here

Search

HOME ANIMAL PRODUCTS VEGETABLES

Home / Vegetables / Broccoli

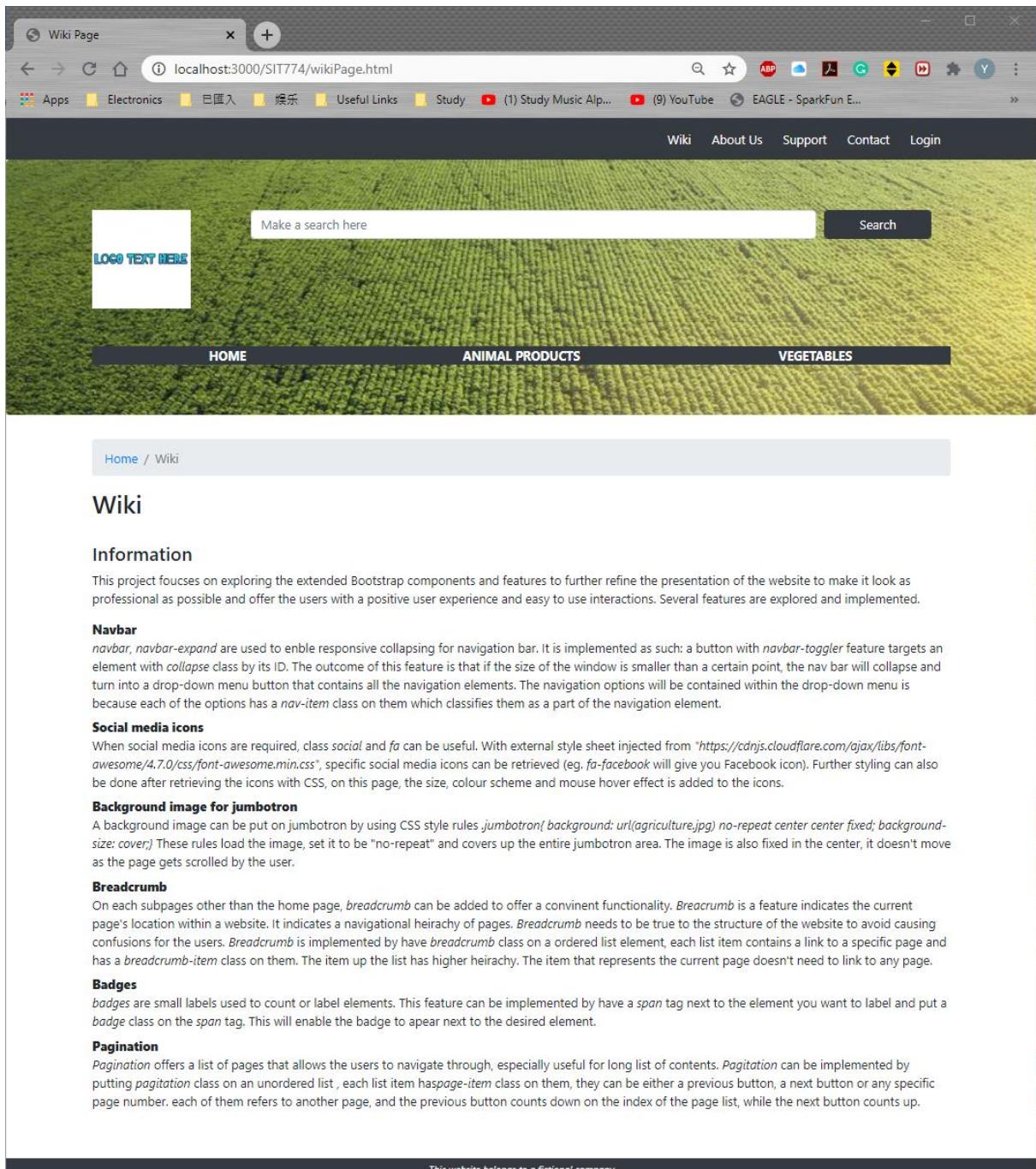
[Back to Vegetables](#)

Broccoli



Description
It's good for you!

This website belongs to a fictional company



```
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Homepage for a Fictional Business</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Homepage for a Fictional Business">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
```

```

<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
      integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="project.css">

</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">

                    <li class="nav-item">
                        <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

<!-- Header part of the page within jumbotron -->

```

```

<div class="jumbotron">
  <div class="container">
    <div class="row">
      <div class="col-md-2">
        
      </div>
      <!-- Some navigation options at the top -->
      <div class="col-md-10 text-center font-weight-bold">
        <form>
          <!-- A search feature -->
          <div class="form-row container">
            <div class="col-md-10 col-12">
              <input type="text" class="form-control" name="searchbox" id="searchbox"
                     placeholder="Make a search here">
            </div>
            <div class="col-md-2 font-weight-bold">
              <input type="submit" class="form-control btn btn-dark" value="Search">
            </div>
          </div>
        </form>
      </div>
    </div>
    <hr style="height: 1em;">
    <!-- Navigation of the site -->
    <nav class="bg-dark sticky-top">
      <div class="row">
        <div class="col-md-4 font-weight-bold text-center">
          <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
          <a href="Task5-3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODUCTS</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
          <a href="Task5-3_product_cate2.html " role="button" style="color: white;">VEGETABLES</a>
        </div>
      </div>
    </nav>
  </div>
  <!-- Homepage Content Section -->
  <div class="container">
    <div class="col-md-12">

```

```

<h2>Highlight of the Week!</h2>
<br>
<div class="container">
    <div id="newCarousel" class="carousel slide" data-
ride="carousel">
        <!--Indicators-->
        <ol class="carousel-indicators">
            <li data-target="#newCarousel" data-slide-
to="0" class="active"></li>
            <li data-target="#newCarousel" data-slide-to="1"></li>
        </ol>
        <!-- Wrapper for slides -->
        <div class="carousel-inner">
            <div class="carousel-item active">
                <a href="Task5-
3_product1.html" style="color: black;">
                    
                    <div class="carousel-caption font-weight-
bold">
                        <h5 style="color: black;">
                            Eggs &$10
                        </h5>
                    </div>
                </a>
            </div>
            <div class="carousel-item">
                <a href="Task5-
3_product2.html" style="color: black;">
                    
                    <div class="carousel-caption font-weight-
bold">
                        <h5>
                            Broccoli &$10
                        </h5>
                    </div>
                </a>
            </div>
        <!-- Left and right controls -->
        <a class="carousel-control-prev" href="#newCarousel" data-
slide="prev">
            <span class="carousel-control-prev-icon"></span>
            <span class="sr-only">Previous</span>
        </a>
        <a class="carousel-control-next" href="#newCarousel" data-
slide="next">

```

```
        <span class="carousel-control-next-icon"></span>
        <span class="sr-only">Next</span>
    </a>
</div>
</div>
<br>
<!-- Social Media Section --&gt;
&lt;hr&gt;
&lt;div class="container-fluid padding"&gt;
    &lt;div class="row text-center padding"&gt;
        &lt;div class="col-12"&gt;
            &lt;h2&gt;Social Media&lt;/h2&gt;
        &lt;/div&gt;
        &lt;div class="col-12 social padding"&gt;
            &lt;a href="https://www.facebook.com" class="fa fa-
facebook"&gt;&lt;/a&gt;
            &lt;a href="https://www.linkedin.com" class="fa fa-
linkedin"&gt;&lt;/a&gt;
            &lt;a href="https://www.twitter.com" class="fa fa-
twitter"&gt;&lt;/a&gt;
            &lt;a href="https://www.youtube.com" class="fa fa-
youtube"&gt;&lt;/a&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/div&gt;
&lt;!-- footer --&gt;
&lt;footer&gt;
    &lt;div class="container-fluid padding bg-dark text-center"&gt;
        &lt;small class="text-
light"&gt;&lt;i&gt; This website belongs to a fictional company&lt;/i&gt;&lt;/small&gt;
    &lt;/div&gt;
&lt;/footer&gt;

&lt;!-- Optional JavaScript --&gt;
&lt;!-- jQuery first, then Popper.js, then Bootstrap JS --&gt;
&lt;script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBN+E+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"&gt;&lt;/script&gt;
&lt;script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"&gt;&lt;/script&gt;
&lt;script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
</pre>
```

```

        integrity="sha384-
0gVRvuATP1z7JjHLku0U7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous">></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>About Us</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="About Us">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="project.css">
</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
```

```

            <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
        </li>
    </ul>
</div>
</div>

<!-- Header part of the page within jumbotron --&gt;
&lt;div class="jumbotron" style="background-color:goldenrod"&gt;
    &lt;div class="container"&gt;
        &lt;div class="row"&gt;
            &lt;div class="col-md-2"&gt;
                &lt;img src="logo.png" alt="Logo" style="width: 80%; "&gt;
            &lt;/div&gt;
            <!-- Some navigation options at the top --&gt;
            &lt;div class="col-md-10 text-center font-weight-bold"&gt;
                &lt;form&gt;
                    &lt;!-- A search feature --&gt;
                    &lt;div class="form-row container"&gt;
                        &lt;div class="col-md-10 col-12"&gt;
                            &lt;input type="text" class="form-
control" name="searchbox" id="searchbox"
                                   placeholder="Make a search here"&gt;
                        &lt;/div&gt;
                        &lt;div class="col-md-2 font-weight-bold"&gt;
                            &lt;input type="submit" class="form-
control btn btn-dark" value="Search"&gt;
                        &lt;/div&gt;
                    &lt;/div&gt;
                    &lt;/form&gt;
                &lt;/div&gt;
            &lt;/div&gt;
            &lt;hr style="height: 1em;"&gt;
            <!-- Navigation of the site --&gt;
            &lt;nav class="bg-dark sticky-top"&gt;
                &lt;div class="row"&gt;
                    &lt;div class="col-md-4 font-weight-bold text-center"&gt;
                        &lt;a href="Task5-
3_home.html" role="button" style="color: white;"&gt;HOME&lt;/a&gt;
</pre>

```

```
</div>
<div class="col-md-4 font-weight-bold text-center">
    <a href="Task5-
3_product_cate1.html" role="button" style="color: white;">ANIMAL PRODUCTS</a>
        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
                </div>
                </div>
            </div>
            <div class="container">
                <nav aria-label="breadcrumb">
                    <ol class="breadcrumb">
                        <li class="breadcrumb-item"><a href="Task5-
3_home.html">Home</a></li>
                            <li class="breadcrumb-item active" aria-
current="page">About us</li>
                        </ol>
                    </nav>
                    <h2>About us</h2>
                    <p>
                        Company introduction is placed here.<br><br><br><br><br><br><br><br><br><br>
                    </p>
                </div>
                <!-- footer -->
                <footer>
                    <div class="container-fluid padding bg-dark text-center">
                        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
                    </div>
                </footer>

                <!-- Optional JavaScript -->
                <!-- jQuery first, then Popper.js, then Bootstrap JS -->
                <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
                    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
                    crossorigin="anonymous"></script>
                <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
                    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
                    crossorigin="anonymous"></script>
```

```
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
       integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
       crossorigin="anonymous"></script>
</body>

</html>
```

```
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element--&gt;

&lt;head&gt;
    &lt;title&gt;Contact&lt;/title&gt;
    &lt;meta name="author" content="Yiyang Hou"&gt;
    &lt;meta name="description" content="Contact"&gt;
    &lt;meta charset="utf-8"&gt;
    &lt;meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"&gt;
        &lt;!-- Latest compiled and minified CSS --&gt;
        &lt;link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
              integrity="sha384-sh9gj6HGAoQqyLKTfNGn0WwDZV7lgeRxTiKkOOGmJZ15MYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous"&gt;
            &lt;link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css"&gt;
            &lt;link rel="stylesheet" href="project.css"&gt;

&lt;script&gt;
    function validation() {
        var numbers = /^[0-9]+$/ , flag;
        flag = true;
        if (document.getElementById("name").value.length == 0) {
            document.getElementById("nameError").innerHTML = "&lt;span class='text-danger'&gt;&lt;i&gt;You did not enter your name&lt;/i&gt;&lt;/span&gt;";
            flag = false;
        }
        else {
            document.getElementById("nameError").innerHTML = "";
        }
        if (document.getElementById("email").value.length == 0) {
            document.getElementById("emailError").innerHTML = "&lt;span class='text-danger'&gt;&lt;i&gt;You did not enter your email address&lt;/i&gt;&lt;/span&gt;";
            flag = false;
        }
    }
</pre>
```

```

        else if (document.getElementById("email").value.indexOf "@" < 0)
    {
        document.getElementById("emailError").innerHTML = "<span class='text-danger'><i>Your input is invalid, it does not contain @</i></span>";
        flag = false;
    }
    else {
        document.getElementById("emailError").innerHTML = "";
    }

    if (document.getElementById("phone").value.length == 0) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>You did not enter your phone number</i></span>";
        flag = false;
    }
    else if (!document.getElementById("phone").value.match(numbers)) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>Your phone number must be an array of numbers</i></span>";
        flag = false;
    }
    else if (document.getElementById("phone").value.length != 10) {
        document.getElementById("phoneError").innerHTML = "<span class='text-danger'><i>Phone number must be exactly 10 digits</i></span>";
        flag = false;
    }
    else {
        document.getElementById("phoneError").innerHTML = "";
    }
    if (document.getElementById("subject").value.length == 0) {
        document.getElementById("subjectError").innerHTML = "<span class='text-danger'><i>You must have a subject</i></span>";
        flag = false;
    }
    else {
        document.getElementById("subjectError").innerHTML = "";
    }
    return flag;
}
</script>
</head>

<body>
<nav class="navbar navbar-expand-md navbar-dark bg-dark">
    <div class="container">
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive">
            <span class="navbar-toggler-icon"></span>
        </button>

```

```

<div class="collapse navbar-collapse" id="navbarResponsive">
    <ul class="navbar-nav ml-auto">
        <li class="nav-item">
            <a class="btn btn-dark" href="wikiPage.html" role="button">Wiki</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a>
        </li>
        <li class="nav-item">
            <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a>
        </li>
    </ul>
</div>
</div>

<!-- Header part of the page within jumbotron -->
<div class="jumbotron" style="background-color:goldenrod">
    <div class="container">
        <div class="row">
            <div class="col-md-2">
                
            </div>
            <!-- Some navigation options at the top -->
            <div class="col-md-10 text-center font-weight-bold">
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10 col-12">
                            <input type="text" class="form-control" name="searchbox" id="searchbox"
                                placeholder="Make a search here">
                        </div>
                        <div class="col-md-2 font-weight-bold">
                            <input type="submit" class="form-control btn btn-dark" value="Search">
                        </div>

```

```

                </div>
            </form>
        </div>
    </div>
    <hr style="height: 1em;">
    <!-- Navigation of the site -->
    <nav class="bg-dark sticky-top">
        <div class="row">
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_home.html" role="button" style="color: white;">HOME</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODUCTS</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-
3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
            </div>
        </div>
    </nav>
</div>
<div class="container">
    <div class="container">
        <nav aria-label="breadcrumb">
            <ol class="breadcrumb">
                <li class="breadcrumb-item"><a href="Task5-
3_home.html">Home</a></li>
                <li class="breadcrumb-item active" aria-
current="page">Contact</li>
            </ol>
        </nav>
        <h2>Contact</h2>
        <p>
            Company contact details are placed here.<br><br><br><br><br><br><br><br>
        </p>
        <!-- Contact Form-->
        <h3>Please fill out the form to send us a messgae:</h3>
        <br>
        <form onsubmit="return validation()">
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="name">Name:</label>
                <div class="col-md-6 col-5">

```

```

        <input type="text" class="form-control" name="name" id="name" placeholder="Your Name">
            </div>
            <span class="col-md-3 col-3" id="nameError">
                </span>
        </div>
        <div class="form-group row">
            <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="email">Email:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="email" id="email" placeholder="Enter Email">
                </div>
                <span class="col-md-3 col-3" id="emailError">
                    </span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="phone">Phone:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="phone" id="phone" placeholder="Enter Phone Number">
                </div>
                <span class="col-md-3 col-3" id="phoneError">
                    </span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="subject">Subject:</label>
                <div class="col-md-6 col-5">
                    <input type="text" class="form-control" name="subject" id="subject" placeholder="Subject of the Message">
                </div>
                <span class="col-md-3 col-3" id="subjectError">
                    </span>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="message">Message:</label>
                <div class="col-md-9 col-8">
                    <textarea class="form-control" name="message" id="message" rows="5">
                    </textarea>
                </div>
            </div>

```

```

        </div>
    <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
        <div>
            <input type="submit" value="Submit">
        </div>
        &nbsp;
        <div>
            <input type="reset" value="Reset">
        </div>
    </div>
</form>
</div>

</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
    integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

```

```
<head>
    <title>Login</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Login">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
            integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
        <link rel="stylesheet" href="project.css">
</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
                    </li>
```

```

        </ul>
    </div>
</div>
</nav>

<!-- Header part of the page within jumbotron --&gt;
&lt;div class="jumbotron" style="background-color:goldenrod"&gt;
    &lt;div class="container"&gt;
        &lt;div class="row"&gt;
            &lt;div class="col-md-2"&gt;
                &lt;img src="logo.png" alt="Logo" style="width: 80%;"&gt;
            &lt;/div&gt;
            <!-- Some navigation options at the top --&gt;
            &lt;div class="col-md-10 text-center font-weight-bold"&gt;
                &lt;form&gt;
                    <!-- A search feature --&gt;
                    &lt;div class="form-row container"&gt;
                        &lt;div class="col-md-10 col-12"&gt;
                            &lt;input type="text" class="form-control" name="searchbox" id="searchbox"
                                   placeholder="Make a search here"&gt;
                        &lt;/div&gt;
                        &lt;div class="col-md-2 font-weight-bold"&gt;
                            &lt;input type="submit" class="form-control btn btn-dark" value="Search"&gt;
                        &lt;/div&gt;
                    &lt;/div&gt;
                &lt;/form&gt;
            &lt;/div&gt;
        &lt;/div&gt;
        &lt;hr style="height: 1em;"&gt;
        <!-- Navigation of the site --&gt;
        &lt;nav class="bg-dark sticky-top"&gt;
            &lt;div class="row"&gt;
                &lt;div class="col-md-4 font-weight-bold text-center"&gt;
                    &lt;a href="Task5-3_home.html" role="button" style="color: white;"&gt;HOME&lt;/a&gt;
                &lt;/div&gt;
                &lt;div class="col-md-4 font-weight-bold text-center"&gt;
                    &lt;a href="Task5-3_product_cate1.html " role="button" style="color: white;"&gt;ANIMAL PRODUCTS&lt;/a&gt;
                &lt;/div&gt;
                &lt;div class="col-md-4 font-weight-bold text-center"&gt;
                    &lt;a href="Task5-3_product_cate2.html" role="button" style="color: white;"&gt;VEGETABLES&lt;/a&gt;
                &lt;/div&gt;
            &lt;/div&gt;
        &lt;/nav&gt;
    &lt;/div&gt;
&lt;/div&gt;
</pre>

```

```
        </div>
    </div>
<div class="container">
    <div class="container">
        <!-- Login -->
        <nav aria-label="breadcrumb">
            <ol class="breadcrumb">
                <li class="breadcrumb-item"><a href="Task5-3_home.html">Home</a></li>
                <li class="breadcrumb-item active" aria-current="page">Login</li>
            </ol>
        </nav>
        <h2>Login</h2>
        <form>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="username">Username:</label>
                <div class="col-md-9 col-8">
                    <input type="text" class="form-control" name="username" id="username" required>
                </div>
            </div>
            <div class="form-group row">
                <label class="col-form-label col-md-3 col-4 text-right font-weight-bold" for="password">Password:</label>
                <div class="col-md-9 col-8">
                    <input type="password" class="form-control" name="password" id="password" required>
                </div>
            </div>
            <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
                <div>
                    <input type="submit" value="Login">
                </div>
            </div>
            <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
                <div>
                    <a href="Task5-3_sign_up.html" role="button">Not a member? Sign up here</a>
                </div>
            </div>
        </form>
    </div>
```

```
        </div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
OgVRvuATP1z7JjhLku0U7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Support</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Support">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
            integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
            <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="project.css">
</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a class="btn btn-dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <!-- Header part of the page within jumbotron -->
    <div class="jumbotron" style="background-color:goldenrod">
        <div class="container">
            <div class="row">
                <div class="col-md-2">
                    
                </div>
                <!-- Some navigation options at the top -->
                <div class="col-md-10 text-center font-weight-bold">
                    <form>
                        <!-- A search feature -->
                </div>
            </div>
        </div>
    </div>
```



```

        </p>
    </div>

</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
        crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UVYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous"></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Animal Products</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Animal Products">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
```

```
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="project.css">

</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <!-- Header part of the page within jumbotron -->
    <div class="jumbotron" style="background-color:goldenrod">
        <div class="container">
            <div class="row">
                <div class="col-md-2">
```

```

        
    </div>
    <!-- Some navigation options at the top -->
    <div class="col-md-10 text-center font-weight-bold">
        <form>
            <!-- A search feature -->
            <div class="form-row container">
                <div class="col-md-10 col-12">
                    <input type="text" class="form-control" name="searchbox" id="searchbox"
                           placeholder="Make a search here">
                </div>
                <div class="col-md-2 font-weight-bold">
                    <input type="submit" class="form-control btn btn-dark" value="Search">
                </div>
            </div>
        </form>
    </div>
    </div>
    <hr style="height: 1em;">
    <!-- Navigation of the site -->
    <nav class="bg-dark sticky-top">
        <div class="row">
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODUCTS</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
            </div>
        </div>
    </nav>
    </div>
    <div class="container">
        <div class="container">
            <nav aria-label="breadcrumb">
                <ol class="breadcrumb">
                    <li class="breadcrumb-item"><a href="Task5-3_home.html">Home</a></li>
                    <li class="breadcrumb-item active" aria-current="page">Animal Products</li>
                </ol>
            </nav>
        </div>
    </div>

```

```

        </ol>
    </nav>
<h2>ANIMAL PRODUCTS</h2>
<p>
    <br>
    <!--Prospective Item List -->
<div class="row container">
    <div class="card text-center bg-light col-md-3">
        <a href="Task5-3_product1.html" style="color: black;">
            
            <div class="card-body">
                <h5 class="card-title">
                    Eggs &nbsp;&nbsp;$10 <span class="badge badge-secondary"> New</span>
                </h5>
            </div>
        </a>
    </div>
<br><br><br><br><br><br><br><br><br>
</p>
</div>
<nav>
    <ul class="pagination justify-content-center">
        <li class="page-item disabled">
            <a class="page-link" href="#" aria-label="Previous">
                <span aria-hidden="true">&laquo;</span>
            </a>
        </li>
        <li class="page-item disabled"><a class="page-link" href="#">1</a></li>
        <li class="page-item disabled">
            <a class="page-link" href="#" aria-label="Next">
                <span aria-hidden="true">&raquo;</span>
            </a>
        </li>
    </ul>
</nav>
</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->

```

```

<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
       integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
       crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
       integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
       crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
       integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
       crossorigin="anonymous"></script>
</body>

</html>

```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Vegetables</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Vegetables">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
        <!-- Latest compiled and minified CSS -->
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
              integrity="sha384-
9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
        <link rel="stylesheet" href="project.css">
</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>

```

```

        </button>
    <div class="collapse navbar-collapse" id="navbarResponsive">
        <ul class="navbar-nav ml-auto">
            <li class="nav-item">
                <a class="btn btn-dark" href="wikiPage.html" role="button">Wiki</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-3_about_us.html" role="button">About Us</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-3_support.html" role="button">Support</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-3_contact.html" role="button">Contact</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-3_login.html" role="button">Login</a>
            </li>
        </ul>
    </div>
</div>

<!-- Header part of the page within jumbotron --&gt;
&lt;div class="jumbotron" style="background-color:goldenrod"&gt;
    &lt;div class="container"&gt;
        &lt;div class="row"&gt;
            &lt;div class="col-md-2"&gt;
                &lt;img src="logo.png" alt="Logo" style="width: 80%;"/>
            </div>
            <!-- Some navigation options at the top -->
            <div class="col-md-10 text-center font-weight-bold">
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10 col-12">
                            <input type="text" class="form-control" name="searchbox" id="searchbox"
                                   placeholder="Make a search here">
                        </div>
                        <div class="col-md-2 font-weight-bold">
                            <input type="submit" class="form-control btn btn-dark" value="Search">
                        </div>
                    </div>
                </form>
            </div>
        </div>
    </div>
</div>

```

```

                </div>
            </div>
        </form>
    </div>
<hr style="height: 1em;">
<!-- Navigation of the site --&gt;
&lt;nav class="bg-dark sticky-top"&gt;
    &lt;div class="row"&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_home.html" role="button" style="color: white;"&gt;HOME&lt;/a&gt;
        &lt;/div&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_product_cate1.html " role="button" style="color: white;"&gt;ANIMAL PRODUCTS&lt;/a&gt;
        &lt;/div&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_product_cate2.html " role="button" style="color: white;"&gt;VEGETABLES&lt;/a&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/div&gt;
&lt;div class="container"&gt;
    &lt;div class="container"&gt;
        &lt;nav aria-label="breadcrumb"&gt;
            &lt;ol class="breadcrumb"&gt;
                &lt;li class="breadcrumb-item"&gt;&lt;a href="Task5-
3_home.html"&gt;Home&lt;/a&gt;&lt;/li&gt;
                &lt;li class="breadcrumb-item active" aria-
current="page"&gt;Vegetables&lt;/li&gt;
            &lt;/ol&gt;
        &lt;/nav&gt;
        &lt;h2&gt;VEGETABLES&lt;/h2&gt;
        &lt;p&gt;
            &lt;br&gt;
            &lt!--Prospective Item List --&gt;
&lt;div class="row container"&gt;
    &lt;div class="card text-center bg-light col-md-3"&gt;
        &lt;a href="Task5-3_product2.html" style="color: black;"&gt;
            &lt;img class="card-img-
top" src="broccoli.jpg" alt="broccoli" style="width:100%;"&gt;
            &lt;div class="card-body"&gt;
                &lt;h5 class="card-title"&gt;
                    Broccoli&nbsp;&amp;$10
                &lt;/h5&gt;
</pre>

```

```
                </div>
            </a>
        </div>
    </div>
    <br><br><br><br><br><br><br><br><br>
</p>
</div>
<nav>
    <ul class="pagination justify-content-center">
        <li class="page-item disabled">
            <a class="page-link" href="#" aria-label="Previous">
                <span aria-hidden="true">&laquo;</span>
            </a>
        </li>
        <li class="page-item disabled"><a class="page-link" href="#" aria-label="Next">
            <span aria-hidden="true">&raquo;</span>
        </a>
        </li>
    </ul>
</nav>
</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
        integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBN+E+IbbVYUew+OrCXaRkfj"
        crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
        integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UVYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous"></script>
</body>
```

```
</html>
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element--&gt;

&lt;head&gt;
    &lt;title&gt;Eggs&lt;/title&gt;
    &lt;meta name="author" content="Yiyang Hou"&gt;
    &lt;meta name="description" content="Eggs"&gt;
    &lt;meta charset="utf-8"&gt;
    &lt;meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no"&gt;
    &lt;!-- Latest compiled and minified CSS --&gt;
    &lt;link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous"&gt;
    &lt;link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css"&gt;
    &lt;link rel="stylesheet" href="project.css"&gt;
&lt;/head&gt;

&lt;body&gt;
    &lt;nav class="navbar navbar-expand-md navbar-dark bg-dark"&gt;
        &lt;div class="container"&gt;
            &lt;button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive"&gt;
                &lt;span class="navbar-toggler-icon"&gt;&lt;/span&gt;
            &lt;/button&gt;
            &lt;div class="collapse navbar-collapse" id="navbarResponsive"&gt;
                &lt;ul class="navbar-nav ml-auto"&gt;
                    &lt;li class="nav-item"&gt;
                        &lt;a class="btn btn-
dark" href="wikiPage.html" role="button"&gt;Wiki&lt;/a&gt;
                    &lt;/li&gt;
                    &lt;li class="nav-item"&gt;
                        &lt;a class="btn btn-dark" href="Task5-
3_about_us.html" role="button"&gt;About Us&lt;/a&gt;
                    &lt;/li&gt;
                    &lt;li class="nav-item"&gt;
                        &lt;a class="btn btn-dark" href="Task5-
3_support.html" role="button"&gt;Support&lt;/a&gt;
                    &lt;/li&gt;
                    &lt;li class="nav-item"&gt;</pre>
```

```

                <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
            </li>
        </ul>
    </div>
</div>

<!-- Header part of the page within jumbotron -->
<div class="jumbotron" style="background-color:goldenrod">
    <div class="container">
        <div class="row">
            <div class="col-md-2">
                
            </div>
            <!-- Some navigation options at the top -->
            <div class="col-md-10 text-center font-weight-bold">
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10 col-12">
                            <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                   placeholder="Make a search here">
                        </div>
                        <div class="col-md-2 font-weight-bold">
                            <input type="submit" class="form-
control btn btn-dark" value="Search">
                        </div>
                    </div>
                </form>
            </div>
        </div>
        <hr style="height: 1em;">
        <!-- Navigation of the site -->
        <nav class="bg-dark sticky-top">
            <div class="row">
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-
3_home.html" role="button" style="color: white;">HOME</a>
                </div>
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-
3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODUCTS</a>
                </div>
            </div>
        </nav>
    </div>
</div>

```

```

        </div>
        <div class="col-md-4 font-weight-bold text-center">
            <a href="Task5-
3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
        </div>
    </div>
</div>
<div class="container">
    <nav aria-label="breadcrumb">
        <ol class="breadcrumb">
            <li class="breadcrumb-item"><a href="Task5-
3_home.html">Home</a></li>
            <li class="breadcrumb-item"><a href="Task5-
3_product_cate1.html">Animal Products</a></li>
            <li class="breadcrumb-item active" aria-
current="page">Eggs</li>
        </ol>
    </nav>
    <div class="font-weight-bold text-left">
        <a href="Task5-
3_product_cate1.html" role="button" style="color: black;">Back to Animal Produc-
ts</a>
    </div>
    <br>
    <!--Prospective Item Detail Section -->
    <div class="container">
        <h2>Eggs</h2>
        <br>
        <p>
            <br><br>
            <b>Description</b><br>
            It's good for you!<br><br><br><br><br><br><br><br><br>
        </p>
    </div>
</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js">

```

```

        integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+0GpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
        crossorigin="anonymous">></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous">></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
        integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
        crossorigin="anonymous">></script>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element--&gt;

&lt;head&gt;
    &lt;title&gt;Broccoli&lt;/title&gt;
    &lt;meta name="author" content="Yiyang Hou"&gt;
    &lt;meta name="description" content="Broccoli"&gt;
    &lt;meta charset="utf-8"&gt;
    &lt;meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no"&gt;
    <!-- Latest compiled and minified CSS --&gt;
    &lt;link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZ15MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous"&gt;
    &lt;link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css"&gt;
    &lt;link rel="stylesheet" href="project.css"&gt;
&lt;/head&gt;

&lt;body&gt;
    &lt;nav class="navbar navbar-expand-md navbar-dark bg-dark"&gt;
        &lt;div class="container"&gt;
            &lt;button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive"&gt;
                &lt;span class="navbar-toggler-icon"&gt;&lt;/span&gt;
            &lt;/button&gt;
            &lt;div class="collapse navbar-collapse" id="navbarResponsive"&gt;</pre>

```

```

        <ul class="navbar-nav ml-auto">
            <li class="nav-item">
                <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
            </li>
            <li class="nav-item">
                <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
            </li>
        </ul>
    </div>
</div>
</nav>

<!-- Header part of the page within jumbotron -->
<div class="jumbotron" style="background-color:goldenrod">
    <div class="container">
        <div class="row">
            <div class="col-md-2">
                
            </div>
            <!-- Some navigation options at the top -->
            <div class="col-md-10 text-center font-weight-bold">
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10 col-12">
                            <input type="text" class="form-
control" name="searchbox" id="searchbox"
                                placeholder="Make a search here">
                        </div>
                        <div class="col-md-2 font-weight-bold">
                            <input type="submit" class="form-
control btn btn-dark" value="Search">
                        </div>
                    </div>
                </form>
            </div>
        </div>
    </div>
</div>

```

```

        </form>
    </div>
</div>
<hr style="height: 1em;">
<!-- Navigation of the site --&gt;
&lt;nav class="bg-dark sticky-top"&gt;
    &lt;div class="row"&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_home.html" role="button" style="color: white;"&gt;HOME&lt;/a&gt;
        &lt;/div&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_product_cate1.html " role="button" style="color: white;"&gt;ANIMAL PRODUCTS&lt;/a&gt;
        &lt;/div&gt;
        &lt;div class="col-md-4 font-weight-bold text-center"&gt;
            &lt;a href="Task5-
3_product_cate2.html" role="button" style="color: white;"&gt;VEGETABLES&lt;/a&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/nav&gt;
&lt;/div&gt;
&lt;div class="container"&gt;
    &lt;nav aria-label="breadcrumb"&gt;
        &lt;ol class="breadcrumb"&gt;
            &lt;li class="breadcrumb-item"&gt;&lt;a href="Task5-
3_home.html"&gt;Home&lt;/a&gt;&lt;/li&gt;
            &lt;li class="breadcrumb-item"&gt;&lt;a href="Task5-
3_product_cate2.html"&gt;Vegetables&lt;/a&gt;&lt;/li&gt;
            &lt;li class="breadcrumb-item active" aria-
current="page"&gt;Broccoli&lt;/li&gt;
        &lt;/ol&gt;
    &lt;/nav&gt;
    &lt;div class="font-weight-bold text-left"&gt;
        &lt;a href="Task5-
3_product_cate2.html" role="button" style="color: black;"&gt;Back to Vegetables&lt;/
a&gt;
    &lt;/div&gt;
    &lt;br&gt;
    &lt;!--Prospective Item Detail Section --&gt;
    &lt;div class="container"&gt;
        &lt;h2&gt;Broccoli&lt;/h2&gt;
        &lt;br&gt;
        &lt;p&gt;
            &lt;img src="broccoli.jpg" alt="Broccoli" style="width:60%; "&gt;&lt;br&gt;
&lt;br&gt;
            &lt;b&gt;Description&lt;/b&gt;&lt;br&gt;
</pre>

```

```
        It's good for you!<br><br><br><br><br><br><br><br><br>
    </p>
</div>
</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DFXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBN+E+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

<head>
    <title>Sign Up</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Sign up">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
```

```
    integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="project.css">

<script>
    function validation() {
        var flag;
        flag = true;
        if (document.getElementById("username").value.length == 0) {
            document.getElementById("usernameError").innerHTML = "<span cl
ass='text-danger'><i>You did not enter your username</i></span>";
            flag = false;
        }
        else {
            document.getElementById("usernameError").innerHTML = "";
        }

        if (document.getElementById("password").value.length == 0) {
            document.getElementById("passwordError").innerHTML = "<span cl
ass='text-danger'><i>You did not enter your password</i></span>";
            flag = false;
        }
        else {
            document.getElementById("passwordError").innerHTML = "";
        }
        if (document.getElementById("password2").value != document.getElem
entById("password").value) {
            document.getElementById("password2Error").innerHTML = "<span c
lass='text-danger'><i>Your input is different to your password</i></span>";
            flag = false;
        }
        else {
            document.getElementById("password2Error").innerHTML = "";
        }

        if (document.getElementById("email").value.length == 0) {
            document.getElementById("emailError").innerHTML = "<span class
='text-danger'><i>You did not enter your email address</i></span>";
            flag = false;
        }
        else if (document.getElementById("email").value.indexOf "@" < 0)
{
            document.getElementById("emailError").innerHTML = "<span class
='text-danger'><i>Your input is invalid, it does not contain @</i></span>";
            flag = false;
        }
    }

```

```

        else {
            document.getElementById("emailError").innerHTML = "";
        }
        return flag;
    }
</script>
</head>

<body>
<nav class="navbar navbar-expand-md navbar-dark bg-dark">
    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarResponsive">
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                </li>
                <li class="nav-item">
                    <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                </li>
                <li class="nav-item">
                    <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
                </li>
                <li class="nav-item">
                    <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
                </li>
                <li class="nav-item">
                    <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
                </li>
            </ul>
        </div>
    </div>
</nav>

<!-- Header part of the page within jumbotron -->
<div class="jumbotron" style="background-color:goldenrod">
    <div class="container">
        <div class="row">
            <div class="col-md-2">
                
            </div>

```

```

        </div>
        <!-- Some navigation options at the top -->
        <div class="col-md-10 text-center font-weight-bold">
            <form>
                <!-- A search feature -->
                <div class="form-row container">
                    <div class="col-md-10 col-12">
                        <input type="text" class="form-control" name="searchbox" id="searchbox"
                               placeholder="Make a search here">
                    </div>
                    <div class="col-md-2 font-weight-bold">
                        <input type="submit" class="form-control btn btn-dark" value="Search">
                    </div>
                </div>
            </form>
        </div>
    </div>
    <hr style="height: 1em;">
    <!-- Navigation of the site -->
    <nav class="bg-dark sticky-top">
        <div class="row">
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_product_cate1.html " role="button" style="color: white;">ANIMAL PRODUCTS</a>
            </div>
            <div class="col-md-4 font-weight-bold text-center">
                <a href="Task5-3_product_cate2.html " role="button" style="color: white;">VEGETABLES</a>
            </div>
        </div>
    </nav>
    </div>
    <div class="container">
        <div class="container">
            <nav aria-label="breadcrumb">
                <ol class="breadcrumb">
                    <li class="breadcrumb-item"><a href="Task5-3_home.html">Home</a></li>
                    <li class="breadcrumb-item"><a href="Task5-3_login.html">Login</a></li>

```

```
        <li class="breadcrumb-item active" aria-
current="page">Sign Up</li>
    </ol>
</nav>
<!-- Sign Up --&gt;
&lt;h2&gt;Sign up&lt;/h2&gt;
&lt;form onsubmit="return validation()"&gt;
    &lt;div class="form-group row"&gt;
        &lt;label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="username"&gt;Username:&lt;/label&gt;
        &lt;div class="col-md-6 col-5"&gt;
            &lt;input type="text" class="form-
control" name="username" id="username"&gt;
        &lt;/div&gt;
        &lt;span class="col-md-3 col-3" id="usernameError"&gt;&lt;/span&gt;
    &lt;/div&gt;
    &lt;div class="form-group row"&gt;
        &lt;label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="password"&gt;Password:&lt;/label&gt;
        &lt;div class="col-md-6 col-5"&gt;
            &lt;input type="password" class="form-
control" name="password" id="password"&gt;
        &lt;/div&gt;
        &lt;span class="col-md-3 col-3" id="passwordError"&gt;&lt;/span&gt;
    &lt;/div&gt;
    &lt;div class="form-group row"&gt;
        &lt;label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="password2"&gt;Repeat Your
            Password:&lt;/label&gt;
        &lt;div class="col-md-6 col-5"&gt;
            &lt;input type="password" class="form-
control" name="password2" id="password2"
                placeholder="Please Repeat Your Password"&gt;
        &lt;/div&gt;
        &lt;span class="col-md-3 col-3" id="password2Error"&gt;&lt;/span&gt;
    &lt;/div&gt;
    &lt;div class="form-group row"&gt;
        &lt;label class="col-form-label col-md-3 col-4 text-
right font-weight-bold" for="email"&gt;Email:&lt;/label&gt;
        &lt;div class="col-md-6 col-5"&gt;
            &lt;input type="text" class="form-
control" name="email" id="email"&gt;
        &lt;/div&gt;</pre>
```

```

        <span class="col-md-3 col-3" id="emailError">
        </span>
    </div>
    <div class="form-group row col-md-9 offset-md-3 col-9 offset-3">
        <div>
            <input type="submit" value="Sign Up">
        </div>
        &nbsp;
        <div>
            <input type="reset" value="Reset">
        </div>
    </div>
</form>
</div>

</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
    integrity="sha384-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
<!DOCTYPE html>
<html lang="en">

<!-- Here is the head element-->

```

```
<head>
    <title>Wiki Page</title>
    <meta name="author" content="Yiyang Hou">
    <meta name="description" content="Wiki Page">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <!-- Latest compiled and minified CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.5.0/css/bootstrap.min.css"
        integrity="sha384-
9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="project.css">
</head>

<body>
    <nav class="navbar navbar-expand-md navbar-dark bg-dark">
        <div class="container">
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarResponsive">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarResponsive">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a class="btn btn-
dark" href="wikiPage.html" role="button">Wiki</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_about_us.html" role="button">About Us</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_support.html" role="button">Support</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_contact.html" role="button">Contact</a>
                    </li>
                    <li class="nav-item">
                        <a class="btn btn-dark" href="Task5-
3_login.html" role="button">Login</a>
                    </li>
                </ul>
```

```

        </div>
    </div>
</nav>

<!-- Header part of the page within jumbotron -->
<div class="jumbotron" style="background-color:goldenrod">
    <div class="container">
        <div class="row">
            <div class="col-md-2">
                
            </div>
            <!-- Some navigation options at the top -->
            <div class="col-md-10 text-center font-weight-bold">
                <form>
                    <!-- A search feature -->
                    <div class="form-row container">
                        <div class="col-md-10 col-12">
                            <input type="text" class="form-control" name="searchbox" id="searchbox"
                                   placeholder="Make a search here">
                        </div>
                        <div class="col-md-2 font-weight-bold">
                            <input type="submit" class="form-control btn btn-dark" value="Search">
                        </div>
                    </div>
                </form>
            </div>
        </div>
        <hr style="height: 1em;">
        <!-- Navigation of the site -->
        <nav class="bg-dark sticky-top">
            <div class="row">
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-3_home.html" role="button" style="color: white;">HOME</a>
                </div>
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-3_product_cate1.html" role="button" style="color: white;">ANIMAL PRODUCTS</a>
                </div>
                <div class="col-md-4 font-weight-bold text-center">
                    <a href="Task5-3_product_cate2.html" role="button" style="color: white;">VEGETABLES</a>
                </div>
            </div>
        </nav>
    </div>

```

```
</div>
<div class="container">
    <nav aria-label="breadcrumb">
        <ol class="breadcrumb">
            <li class="breadcrumb-item"><a href="Task5-3_home.html">Home</a></li>
            <li class="breadcrumb-item active" aria-current="page">Wiki</li>
        </ol>
    </nav>
    <h2>Wiki</h2>
    <br>
    <h4>Information</h4>
    <p>This project focuses on exploring the extended Bootstrap components and features to further refine the presentation of the website to make it look as professional as possible and offer the users with a positive user experience and easy to use interactions. Several features are explored and implemented.
    </p>
    <dl>
        <dt><b>Navbar</b></dt>
        <dd><i>navbar</i>, <i>navbar-expand</i> are used to enable responsive collapsing for navigation bar. It is implemented as such: a button with <i>navbar-toggler</i> feature targets an element with <i>collapse</i> class by its ID. The outcome of this feature is that if the size of the window is smaller than a certain point, the nav bar will collapse and turn into a drop-down menu button that contains all the navigation elements. The navigation options will be contained within the drop-down menu because each of the options has a <i>nav-item</i> class on them which classifies them as a part of the navigation element.
        </dd>
        <dt><b>Social media icons</b></dt>
        <dd>When social media icons are required, class <i>social</i> and <i>fa</i> can be useful. With external style sheet injected from <i>"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css"</i>, specific social media icons can be retrieved (eg. <i>fa-facebook</i> will give you Facebook icon). Further styling can also be done
    </dl>
</div>
```

after retrieving the icons with CSS, on this page, the size, colour scheme and mouse hover effect is added to the icons.</dd>

<dt>Background image for jumbotron</dt>

<dd> A background image can be put on jumbotron by using CSS style rules <i>.jumbotron{ background: url(agriculture.jpg) no-repeat center center fixed; background-size: cover;}</i> These rules load the image, set it to be "no-repeat" and covers up the entire jumbotron area. The image is also fixed in the center, it doesn't move as the page gets scrolled by the user.

</dd>

<dt>Breadcrumb</dt>

<dd>On each subpages other than the home page, <i>breadcrumb</i> can be added to offer a convinient functionality. <i>Breadcrumb</i> is a feature indicates the current page's location within a website. It indicates a navigational heirachy of pages. <i>Breadcrumb</i> needs to be true to the structure of the website to avoid causing confusions for the users. <i>Breadcrumb</i> is implemented by have <i>breadcrumb</i> class on a ordered list element, each list item contains a link to a specific page and has a <i>breadcrumb-item</i> class on them. The item up the list has higher heirachy. The item that represents the current page doesn't need to link to any page.

</dd>

<dt>Badges</dt>

<dd><i>badges</i> are small labels used to count or label elements. This feature can be implemented by have a <i>span</i> tag next to the element you want to label and put a <i>badge</i> class on the <i>span</i> tag. This will enable the badge to appear next to the desired element.</dd>

<dt>Pagination</dt>

<dd><i>Pagination</i> offers a list of pages that allows the users to navigate through, especially useful for long list of contents. <i>Pagination</i> can be implemented by putting <i>pagination</i> class on an unordered list , each list item has<i>page-item</i> class on them, they can be either a previous button, a next button

```

        or any specific page number. each of them
        refers to another page, and the previous button counts down on
the index of the page list, while the
            next button counts up.</dd>
</dl>
<br><br>

</div>
<!-- footer -->
<footer>
    <div class="container-fluid padding bg-dark text-center">
        <small class="text-
light"><i> This website belongs to a fictional company</i></small>
    </div>
</footer>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.
min.js"
    integrity="sha384-
    Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
    OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
</body>

</html>
```

```

.fa {
    padding: 20px;
    font-size: 30px;
    width: 70px;
    text-align: center;
    text-decoration: none;
    margin: 5px 1em;
    border-radius: 50%;
}

.fa:hover {
    opacity: 0.7;
```

```
}

.fa-facebook {
    background: #3B5998;
    color: white;
}

.fa-twitter {
    background: #55ACEE;
    color: white;
}

.fa-linkedin {
    background: #007bb5;
    color: white;
}

.fa-youtube {
    background: #bb0000;
    color: white;
}
.jumbotron{
    background: url(agriculture.jpg) no-repeat center center fixed;
    background-size: cover;
}
```

36 Draft Learning Summary

Draft of learning summary for unit SIT774

Outcome	Weight
Achieved Outcome Justification	◆◆◆◆◆

This is my learning summary report.

Outcome	Weight
Client-side Application Design and Development	◆◆◆◆◆

This is my learning summary report.

Outcome	Weight
Explain Web Technologies	◆◆◆◆◆

This is my learning summary report.

Outcome	Weight
Option Identification and Application Deployment	◆◆◆◆◆

This is my learning summary report.

Outcome	Weight
Web Service Design and Implementation	◆◆◆◆◆

This is my learning summary report.

Date	Author	Comment
2020/10/12 23:34	Yiyang Hou	Ready to Mark
2020/10/12 23:34	Michael Hobbs	Time Exceeded

DEAKIN UNIVERSITY

WEB TECHNOLOGIES AND DEVELOPMENT

ONTRACK SUBMISSION

Draft Learning Summary

Submitted By:

Yiyang HOU
houyiy
2020/10/12 23:34

Tutor:

Michael HOBBS

Outcome	Weight
Achieved Outcome Justification	♦♦♦♦♦

This is my learning summary report.

October 12, 2020





SIT774

Web Technologies and Development

Learning Summary Report

Yiyang Hou
220570074

Self-Assessment Details

The following checklists provide an overview of my self-assessment for this unit.

	Pass (D)	Credit (C)	Distinction (B)	High Distinction (A)
Self-Assessment				✓

Self-Assessment Statement

Declaration

I declare that this portfolio is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **Yiyang Hou**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for SIT774 Web Technologies and Development to a **High Distinction** level.

In the course of learning this unit, I start with learning the basic ideas of how the Internet works and some fundamental background knowledge. Later on, I started learning about how to construct HTML documents and create a client-side web page. Then I learnt about CSS and how to use the tools like Bootstrap to style the web pages. I also learnt to code with Javascript and how servers work, these broaden my knowledge and brush up my skills on how to make more responsive and dynamic web applications. After all the learning and practice, I feel confident about applying the concepts and skills to a real-world application, I have achieved the foundation to build my career upon in the industry. During learning this unit, every time I learnt something new, I can apply it and make my web page looks more professional and closer to the web pages that I browse out there on the Internet. The greatest challenge is that, as a web developer, there are so many options and tools to choose from, from technology aspects to aesthetics aspects. I need to learn from my own mistakes and the real-world conventions to make the right choice.

In the completion of all the tasks, I have demonstrated the thorough understanding of the covered concepts and theories, as well as the practical application of these ideas.

I have successfully finished the tasks that relate to the unit learning outcomes of Client-side Application Design and Development, as well as Option Identification and Application Deployment through creating static web pages by using HTML, Bootstrap and Javascript. The unit learning outcomes of Explain Web Technologies and Web Service Design and Implementation were demonstrated through the completion of tasks that relate to coding with Javascript and Node.js. The unit learning outcome of Achieved Outcome Justification was demonstrated to be met through comparing the outcomes of the tasks and their initial design plans.

I believe by demonstrating the alignment to all the unit learning outcomes, I should have reached the level of High Distinction.

Reflections

The most important things I learnt:

I have learnt about the web technologies in general, how to create stylish web pages with HTML, CSS, Bootstrap and Javascript, how to work with the server with Javascript and Node.js to create dynamic web applications. The content offered in this unit was very broad and abundant, I believe all the points are essential. I have learnt more than I expected before the start.

I feel I learnt these topics, concepts, and/or tools really well:

I feel confident about creating professional looking web pages now, since I have been doing plenty of practice and I have improved my ability to find and read documentations in case I need to apply some new techniques.

I found the following topics particularly challenging:

The concepts of how to work with the server was challenging for me. As this is a brand-new topic for me, it took me some time to learn about the concepts and to practice the programming part. With enough amount of practice, I'm feeling quite confident about this part now. I felt I was not good at reading the documentations and materials while learning and researching about new concepts, my reading was not efficient. However, it did start to get better with more and more practice.

I found the following topics particularly interesting:

In fact, every topic covered and all the tasks in this unit are interesting to me. Since we all spend a long time on different web sites everyday, I appreciate everything I learnt from this unit. They are not only useful, but also fulfill my curiosity about the technologies.

I still need to work on the following areas:

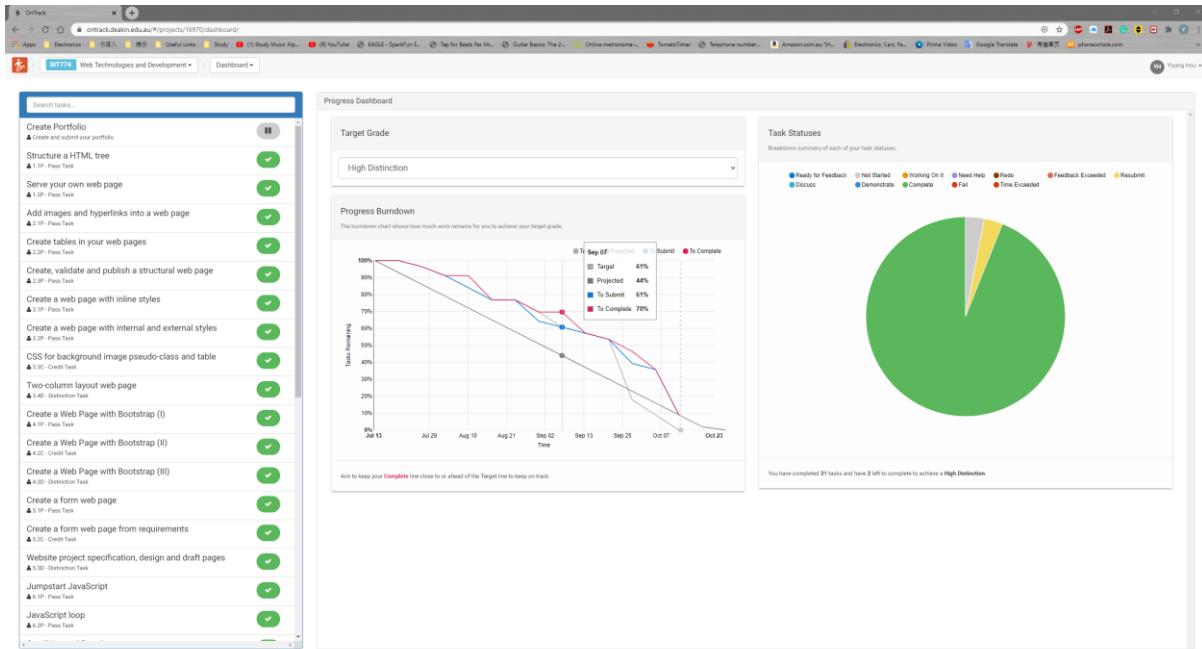
My plan for the next step will be to practice more. I will start work on some interesting project on my own with my free time and try to explore deeper with the knowledge I gained in this unit. I believe my skills will be brushed up and I will be more proficient in the web technologies.

The things that helped me most were:

The most helpful resources include: the cloud Deakin content, W3schools tutorials and various documentations online. The cloud Deakin content helps me with consolidating the contents covered in the lectures, W3schools tutorials and other documentations helped me everytime I stuck with something specific while doing tasks.

My progress in this unit was ...:

During the unit, I tried to complete all the pass tasks at first and work my way up towards higher grades. The graph indicates that I started to complete the higher grade tasks towards the end of the trimester.



If I did this unit again, I would do the following things differently:

During the unit, I tend to study and work on my own, I only do the research on my own to work out the issues that I faced at the time. I should have tried to reach out to the tutor and fellow students more, that is not only an efficient way to tackle problems, but also a great way to learn about different perspective of thinking. I will try to apply that to my studies in the future.