

# **COURSEWORK3**

## Single Page Web Application

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CST2120

Web Applications and Databases

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## **Description-**

The single page web application I make is a Shopping items list. The front end of the website has a single HTML page. The front end of the website is written in HTML, CSS and Javascript. Javascript is running on node.js on the server. This website provides the functionality to add the items into the shopping list. The users can add the items to the list by clicking on the Add button and it will show the items list below. The name of the item, date and time will be shown in the shopping items list.

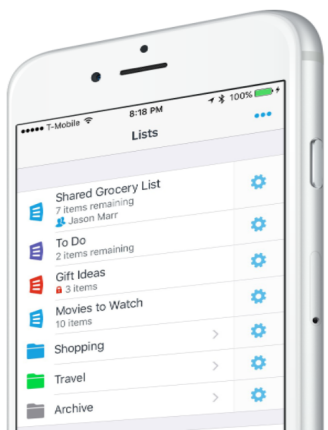
## **Screenshots-**

The front page of shopping list website which shows some information about the website the functions that the user can perform in this website. After this explanation, there is an add items form in which the user can fill the item name, time and date and then there is an Add button which will help the user to add the item into the list. The list will be shown under the Items List after adding the item name to the list. After the Items List there is a feedback form through which the user can send the feedback by filling the first name, Last name, name of the country and the subject in the given form.



List lovers rejoice! Shopping list keeps all your lists in one place.

No more sticky notes and scraps of paper, no more return trips to the grocery store. With Shopping list, the whole family can see and manage shopping lists from any computer.



The best way to create and share a grocery shopping list and organize your recipes.

- QUICKLY CREATE ORGANIZED LISTS-  
AnyList suggests common items as you type, and automatically groups items by category to help save time at the store.
- EASILY SHARE LISTS-  
Stay in sync with family and friends by sharing a list with them. Any changes made to a shared list will show up instantly to everyone sharing the list.



- PLAN YOUR SHOPPING-  
Simply tap on ingredients to add them to your shopping list, or plan for an entire week or month

With shopping list you can..



Add your items to the shopping list. In the options below, add your shopping item with exact date and time to remember easily. Use the Add button.

### Add Items

Item:

Time:

Date:

Add

### Items List

#### Feedback

First Name

Last Name

Country

Country

Subject

Submit

Contact us: [manubasa96@gmail.com](mailto:manubasa96@gmail.com)

© 2021 Shopping List

## HTML Validation -

The index.html file passed without any errors.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title> Shopping List </title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
10  <link rel="stylesheet" href="style.css">
11  <script src="client.js"></script>
12  <script src="web-application-example.js"></script>
13 </head>
14 <body>
15
16   <nav class="navbar navbar-inverse">
17     <div class="container-fluid">
18       <div class="navbar-header">
19         <a class="navbar-brand" href="#"> 
21     </div>
22   </nav>
23
24   <h1 style="text-align: center;"> Shopping Items List </h1>
25   <h2 style="text-align: center;"> List lovers rejoice! Shopping list keep
26   <p style="text-align: center;"> No more sticky notes and scraps of paper,
27    With shopping list you can...</h3>
31   <h4>
36
```

### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

#### Showing results for uploaded file index.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

**Document checking completed. No errors or warnings to show.**

Used the HTML parser.

Total execution time 7 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.3.14

## CSS Validation-

No errors found while checking the validation of styles.css file.

### The W3C CSS Validation Service

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Jump to: **Validated CSS**

#### W3C CSS Validator results for style.css (CSS level 3 + SVG)

**Congratulations! No Error Found.**

This document validates as **CSS level 3 + SVG** !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>

<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```

```
93 }
94
95 .text{
96   text-align: justify;
97   font-family: Verdana, Geneva, Tahoma, sans-serif;
98   font-size: x-large;
99   color: rgb(36, 166, 218);
100 }
101
102 .list{
103   background-color: rgb(136, 207, 231);
104   text-align: center;
105   color: white;
106   padding-top: 30px;
107   padding-right: 30px;
108   padding-bottom: 30px;
109   padding-left: 80px;
110   font-size: xx-large;
111   font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
112 }
113
114 .star{
115   text-align: center;
116   font-size: x-large;
117   font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
118 }
119
120 .pic{
121   text-align: justify;
122   font-family: Verdana, Geneva, Tahoma, sans-serif;
123   font-size: larger;
124 }
```

---

## Selenium Tests-

### Test 1-

Running 'test'	22:02:52
1. open on / OK	22:02:52
2. setWindowSize on 1936x1096 OK	22:02:52
3. click on id=ItemInput OK	22:02:52
4. click on id=ItemInput OK	22:02:53
5. type on id=ItemInput with value Milk OK	22:02:54
6. click on id=TimeInput OK	22:02:55
7. type on id=TimeInput with value 10:48 OK	22:02:56
8. click on id=DateInput OK	22:02:57
9. type on id=DateInput with value 2021-03-16 OK	22:02:58
10. click on css=button OK	22:02:59
'test' completed successfully	22:02:59

### Test 2-

Log	Reference	
Running 'test'		21:49:45
1. open on / OK		21:49:45
2. setWindowSize on 1936x1096 OK		21:49:45
3. click on id=ItemInput OK		21:49:45
4. click on id=ItemInput OK		21:49:45
5. type on id=ItemInput with value Test-Milk OK		21:49:46
6. click on id=TimeInput OK		21:49:47
7. type on id=TimeInput with value 10:00 OK		21:49:48
8. click on id=DateInput OK		21:49:49
9. type on id=DateInput with value 2021-03-16 OK		21:49:50
10. click on css=button OK		21:49:51
11. assertText on css=tr:last-child > td:nth-child(2) with value Test-Milk OK		21:49:51
'test' completed successfully		21:49:52

### Test 3-

Running 'test4'	22:09:55
1. open on / OK	22:09:55
2. setWindowSize on 984x1080 OK	22:09:55
3. click on id=ItemInput OK	22:09:56
4. type on id=ItemInput with value Chocolates OK	22:09:56
5. click on id=TimeInput OK	22:09:56
6. type on id=TimeInput with value 22:09 OK	22:09:56
7. click on id=DateInput OK	22:09:56
8. type on id=DateInput with value 2021-04-11 OK	22:09:56
9. click on css=button OK	22:09:56
10. assertNotText on id=TimeInput with value 09:00 OK	22:09:56
'test4' completed successfully	22:09:57

### Test 4 -

Log	Reference	
Running 'test4'		22:15:04
1. open on / OK		22:15:04
2. setWindowSize on 984x1080 OK		22:15:04
3. click on id=ItemInput OK		22:15:04
4. type on id=ItemInput with value Chocolates OK		22:15:04
5. click on id=TimeInput OK		22:15:04
6. type on id=TimeInput with value 22:09 OK		22:15:05
7. click on id=DateInput OK		22:15:05
8. type on id=DateInput with value 2021-04-11 OK		22:15:05
9. click on css=button OK		22:15:05
10. assertNotText on id=TimeInput with value 09:00 OK		22:15:05
11. assertValue on id=ItemInput with value Chocolates OK		22:15:05
'test4' completed successfully		22:15:05

## Test 5 -

Log	Reference	
Running 'test6'		22:23:10
1. open on / OK		22:23:11
2. setWindowSize on 984x1080 OK		22:23:11
3. click on id=ItemInput OK		22:23:11
4. type on id=ItemInput with value Butter OK		22:23:11
5. click on id=TimeInput OK		22:23:11
6. type on id=TimeInput with value 04:25 OK		22:23:11
7. click on id=DateInput OK		22:23:11
8. type on id=DateInput with value 2021-03-16 OK		22:23:12
9. click on css=button OK		22:23:12
10. assertElementPresent on css=tr:nth-child(2) > td:nth-child(2) with value Test-Milk OK		22:23:12
'test6' completed successfully		22:23:12

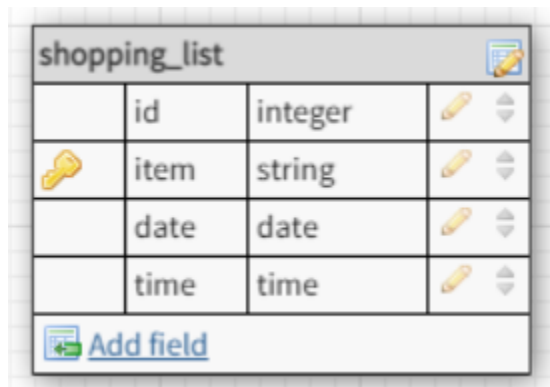
## Test 6-



Log	Reference	
1. open on / OK		10:02:54
2. setWindowSize on 984x1080 OK		10:02:54
3. click on id=ItemInput OK		10:02:54
4. type on id=ItemInput with value Drinks OK		10:02:55
5. click on id=TimeInput OK		10:02:55
6. click on id=TimeInput OK		10:02:55
7. type on id=TimeInput with value 10:02 OK		10:02:55
8. click on id=DateInput OK		10:02:55
9. type on id=DateInput with value 2021-03-17 OK		10:02:56
10. click on css=button OK		10:02:56
11. mouseDownAt on css=html with value 857,3339 OK		10:02:56
12. mouseMoveAt on css=html with value 857,3339 OK		10:02:56
13. mouseUpAt on css=html with value 857,3339 OK		10:02:56
14. click on id=ItemInput OK		10:02:56
15. click on css=button with value Add OK		10:02:56
'test7' completed successfully		10:02:57

## Database Design:

The name of the table is Shopping list. Which has four columns id, item, date and time, In which, item is a primary key.

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shopping_list			
	id	integer	
	item	string	
	date	date	
	time	time	
 <a href="#">Add field</a>			

## **Summary:**

In conclusion, I am creating this project using the node js connecting to the mysql database in which the user can add the items into the shopping list and also the user can see the added items on the website and in mysql database in which the user can see the added items with the date and time.