COURSEWORK3
Single Page Web Application

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.
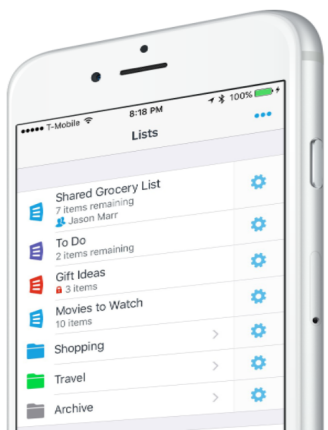
Screenshots-

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 a add items form in which the user can fill the item name, time and date and then with there is a 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.

- 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:
[Enter your item]

Time:
[--:--]

Date:
[dd/mm/yyyy]

[Add]

Items List

Feedback

First Name
[Your name..]

Last Name
[Your last name..]

Country
[Australia]

Country
[Australia]

Subject
[Write something..]

[Submit]

Contact us: manubasra96@gmail.com

© 2021 Shopping List

HTML Validation -

The index.html file passed without any errors.

CSS Validation-

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

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
```
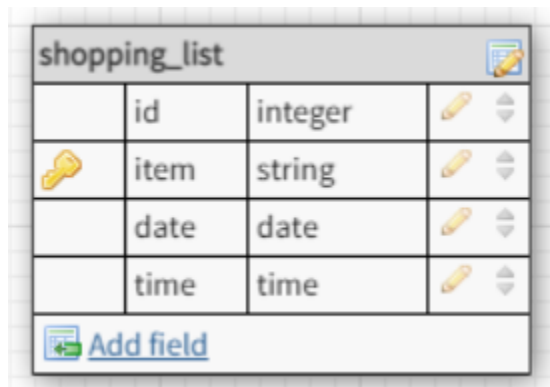
Database Design:

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

shopping_list				
	id	integer	✏️	↕
🔑	item	string	✏️	↕
	date	date	✏️	↕
	time	time	✏️	↕
Add field				

Summary:

I 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.