

Vue.js : Web Programming

```
<script src="https://cdn.jsdelivr.net/npm/vue@2.5.22/dist/vue.js"></script>
```

ใส่ prevent เพื่อไม่ให้มีการ refresh v-on:click.prevent.stop="blog.likes += 1"

การทำระบบ Search อย่างง่าย

```
<input type="text" class="form-control" placeholder="Search post" aria-label="search"
aria-describedby="basic-addon1" v-model="searchText">
```

```
var vm = new Vue({el: "#app1",
```

```
  data: {searchText: ""},
```

```
  computed: {blogSearchResult() {
```

```
    return this.blogs.filter(blog => {
```

```
      let searchText = this.searchText.toLowerCase()
```

```
      let isMatchTitle = blog.title.toLowerCase().includes(searchText)
```

```
      let isMatchContent = blog.content.toLowerCase().includes(searchText)
```

```
      return isMatchTitle | isMatchContent
```

```
    }) } },
```

ตัวอย่างฟังก์ชันต่าง ๆ

```
v-for="(comment, index) in blog.comments"
```

```
v-show="blog.showComment"
```

```
@click.stop="showComment(blog)"
```

```
v-bind:class="{ 'bg-dark text-white': isActive}" @click="changeBGColor"
```

```


```
<input v-model.number="message" placeholder="edit me">
```

```
<p>Message is: {{ message }}</p>
```

**v-model → checkbox**

```
data : { checkedNames: [] }
```

```
<input type="checkbox" id="jack" value="Jack" v-model="checkedNames">
```

```
 <label for="jack">Jack</label>
```

```
<input type="checkbox" id="john" value="John" v-model="checkedNames">
```

```
 <label for="john">John</label>
```

```
<input type="checkbox" id="mike" value="Mike" v-model="checkedNames">
```

```
 <label for="mike">Mike</label>
```

```
Checked names: {{ checkedNames }}
```

**v-model → radio**

```
data : { picked: " " }
```

```
<input type="radio" id="one" value="One" v-model="picked">
```

```
 <label for="one">One</label>

```

```
<input type="radio" id="two" value="Two" v-model="picked">
```

```
 <label for="two">Two</label>

```

```
Picked: {{ picked }}
```

**v-model → select**

data : { selected: '' }

```
<select v-model="selected">

 <option disabled value="">Please select one</option>

 <option>A</option>

 <option>B</option>

 <option>C</option>

</select>
```

**v-model → multiple select**

data : { selectedList: [] }

```
<select v-model="selectedList" multiple>

 <option disabled value="">Please select one</option>

 <option v-for="item in items">{{item}}</option>

</select>

```

**v-model → multiple select**

data : { checkedNamesloop: [], items: ['apple', 'banana', 'orange', 'coconut', 'mango'] }

```
<template v-for="item in items">

 <input type="checkbox" :id="item" :value="item" v-model="checkedNamesloop">

 <label :for="item">{{item}}</label>

</template>

Checked names: {{ checkedNamesloop }}
```

v-model → reverseText

methods: {reverseText: function(){this.message = this.message.split('').reverse().join('');}}

<input type="text" v-model="message">

<button @click="reverseText">Reverse Text</button>

MidtermCrisis : WebPro (Music Box / index.html)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Midterm_Crisis I</title>
5 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH
6 <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.2/css/all.css" integrity="sha384-fnmOCqbT1WIlj8LyTjo7mouStjsK4pOpQbqy17RrhN
7 <script src="https://cdn.jsdelivr.net/npm/vue@2.5.22/dist/vue.js"></script>
8 <script src="compo.js"></script>
9 </head>
10 <body>
11 <div class="container my-5 p-3" id="app1">
12 <div class="alert alert-primary mb-5" style="text-align: center;" role="alert">
13 <h2>Music Box <i class="fas fa-headphones"></i></h2>
14 </div>
15 <div class="row">
16 <div class="col-md-1"><h4>search:</h4></div>
17 <div class="col-md-9"><input type="text" class="form-control mb-5" id="search" v-model="search"></div>
18 <div class="col-md-2">TotalLikes : {{ totalLikes }}</div>
19 </div>
20
21 <div class="row">
22 <div class="col-md-4" v-for="(article, index) in searchResult">
23 <blog v-bind:dose="article" @add="push($event, index)"></blog>
24 </div>
25
26 <addblog @add="pushcard($event)"></addblog>
27 </div>
28 </div>
29 </div>
30 </div>
31
32 <script>
33 Vue.component('addblog', {
34 props: ['dose'],
35 template: `
36 <div class="col-md-4">
37 <div class="card my-3">
```

```
38 <div class="card-header bg-secondary text-white" style="text-align: center;"><h5>New Card</h5></div>
39 <div class="card-body">
40
41 <!--div class="input-group mb-3">
42 <div class="input-group-prepend">
43 Upload
44 </div>
45 <div class="custom-file">
46 <input type="file" class="custom-file-input" id="inputGroupFile01" aria-describedby="inputGroupFileAddon01" v-model="image">
47 <label class="custom-file-label" for="inputGroupFile01">Choose file</label>
48 </div>-->
49
50 <div class="input-group mb-2">
51 <div class="input-group-prepend">
52 Image
53 </div>
54 <input type="text" aria-label="image" class="form-control" v-model="image">
55 </div>
56
57 <div class="input-group mb-2">
58 <div class="input-group-prepend">
59 Title
60 </div>
61 <input type="text" aria-label="Title" class="form-control" v-model="title">
62 </div>
63
64 <div class="input-group mb-2">
65 <div class="input-group-prepend">
66 Detail
67 </div>
68 </div>
```





## MidtermCrisis : WebPro (Music Box / compo.js)

```
1 Vue.component('blog', {
2 props: ['dose'],
3 data() { return { commenttxt: '' } },
4 template: `
5 <div class="card my-3">
6
7 <div class="card-body">
8 <h5{{ dose.title }} {{ dose.likes }} <i class="fas fa-heart"></i></h5>
9 <p class="card-text">{{ dose.detail }}</p>
10 <button type="button" class="btn btn-primary" @click.prevent.stop="dose.likes += 1"><i class="fas fa-thumbs-up"></i> Like</button>
11 <button type="button" class="btn btn-info" @click.stop="showComment(dose)"><i class="fas fa-comments"></i> Comments</button>
12 </div>
13 <!-- comment -->
14 <div v-show="dose.showComment">
15 <div class="card mt-2 text-dark" v-for="(comment, index) in dose.comments">
16 <div class="card-body">
17 <h6 class="card-title">Comment {{index + 1}}</h6>
18 <p class="card-text">
19 {{ comment.text }}

20 <small class="text-muted">Create By: {{ comment.createBy }}</small>
21 </p>
22 </div>
23 </div>
24 </div>
25 <!-- /comment -->
26 <div class="row mt-2">
27 <div class="col-md-5"><input type="text" class="form-control" v-model="commenttxt" placeholder="comment here"></div>
28 <div class="col-md-2"><button type="button" class="btn btn-danger" @click="addCommenttxt({text: commenttxt, createBy: 'Jack'})"><i class="fas fa-plus"></i></button>
29 </div>

30 <p>create date : {{ dose.createDate }}</p>
31 </div>
32 `
33 ,
34 methods: {
35 showComment(dose) {
36 dose.showComment = !dose.showComment;
37 },
38 addCommenttxt(val) {
39 this.$emit('add', val)
40 }
41 }
42 })
43 }
```

## MidtermCrisis : WebPro (javascript - filter)

var fruits = ['apple', 'banana', 'grapes', 'mango', 'orange'];

```
> filterItems('b')
< ▶ ["banana"]
> function filterItems(query) {
 return fruits.filter(function (item) {
 return item.indexOf(query[0]) >= 0;
 })
}
< undefined
> filterItems('a');
< ▶ (5) ["apple", "banana", "grapes", "mango", "orange"]
> function filterItems(query) {
 return fruits.filter(function (item) {
 return item.indexOf(query) >= 0;
 })
}
< undefined
> filterItems('a');
< ▶ (5) ["apple", "banana", "grapes", "mango", "orange"]
>
```

```
//Users/student/Downloads/js/03-js-can-change-text.html
Elements Console Sources Network Perf
top Filter
> array2 = [1,2,3,4,5,6,7,8,9,10]
< ▶ (10) [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
> let greater_than_5 = function (n) {
 return n > 5;
}
Uncaught SyntaxError: Identifier 'greater_than_5' has
at <anonymous>:1:1
> greater_than_5(6)
< true
> greater_than_5(3)
< false
> array2.filter(greater_than_5)
< ▶ (5) [6, 7, 8, 9, 10]
> array2.filter(function (x) { return x % 2 === 0 })
< ▶ (5) [2, 4, 6, 8, 10]
> array2
< ▶ (10) [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
> array2.filter(x => x % 2 === 0)
< ▶ (5) [2, 4, 6, 8, 10]
> let sum = function (total, value) {
 return total + value;
}
< undefined
>
```

## MidtermCrisis : WebPro (Bootstrap/utilities/display)

```
46 </body>
47 <div class="container">
48
49 <div class="row">
50 <div class="col-md-6">
51 <div class="blue"></div>
52 </div>
53 <div class="col-md-6">
54 <div class="blue"></div>
55 </div>
56 </div>
57
58 <div class="row">
59 <div class="col-md-4 d-none d-md-block">
60 <div class="yellow"></div>
61 </div>
62 <div class="col-md-4 d-none d-md-block">
63 <div class="yellow"></div>
64 </div>
65 <div class="col-md-4 d-none d-md-block">
66 <div class="yellow"></div>
67 </div>
68 </div>
69
70 <div class="row">
71 <div class="col-md-8">
72 <div class="green"></div>
73 </div>
74 <div class="col-md-4">
75 <div class="lightgreen"></div>
76 </div>
77 </div>
78
79 <div class="row d-none d-md-flex">
80 <div class="col-md-3">
81 <div class="orange"></div>
82 </div>
83 <div class="col-md-3">
84 <div class="orange"></div>
85 </div>
86 <div class="col-md-3">
87 <div class="orange"></div>
88 </div>
```

## MidtermCrisis : WebPro (Javascript)

```
document.querySelector('#hello-world').style = 'display: none';
document.querySelector('#hello-world').innerHTML = 'แก้ไข innerHTML';
document.querySelector('#hello-world').textContent = 'แก้ไข textContent';

1 let list = document.querySelector('#list');
2 let new_item = document.createElement('li'); ลงใน Console
3 list.append(new_item); ลงใน Console พิมพ์ new_item.textContent = 'ถ้างงๆ ให้ยกมือ';
4 new_item.style.fontSize = '40px';
```

ลองทำ: ลบ **<li>** สุดท้ายจาก **<ul>**

- เปิด Console
- พิมพ์ let last\_item =  
document.querySelector('ul#example > li:last-child')
- พิมพ์ let parent = last\_item.parentElement
- พิมพ์ parent.removeChild(last\_item)

ลองทำ: ลบ **<li>** ตัวที่ 2 จาก **<ul>**

- เปิด Console
- พิมพ์ let second\_item =  
document.querySelector('ul#example > li:nth-child(2)')
- พิมพ์ second\_item.remove()



```
<div class="input-group my-3">
 <input id="todo-item-text" type="text" class="form-control" placeholder="เพิ่มรายการใหม่">
 <div class="input-group-append">
 <button class="btn btn-outline-success" type="button" id="add">+</button>
 </div>
</div>
```

```
<script>
```

```
function del(){

 let del_item = document.querySelector("ul#example > li");

 del_item.remove();}

function add(){

 let list = document.querySelector("ul#example");

 let add_item = document.createElement("li");

 add_item.className = "list-group-item d-flex justify-content-between align-items-center";

 let add_button = document.createElement("button");

 add_button.className = "close";

 let add_span = document.createElement("span");

 add_span.innerHTML = "×";

 add_item.append(document.querySelector("#todo-item-text").value);

 add_item.append(add_button);

 add_button.append(add_span);

 list.append(add_item); }

document.querySelector('.close').addEventListener('click', del);

document.querySelector('#add').addEventListener('click', add);

</script>
```

## Mapping

```
var fruits = ['apple', 'banana', 'grapes', 'mango', 'orange'];
```

```
function filterItems(query) { return fruits.filter(function (item) { return item == query }) // จึงทำให้ function
```

```
filterItems() สามารถค้นหาแบบ partial search (คำใบ้: ใช้ IndexOf()) function filterItems2(query) { return fruits.filter(
function (item) { return item.indexOf(query) >= 0? 1 : 0 }) } }
```