11. 表單

1. 表單樣式
form-control, form-label, form-text

```html
<div class="demo">
    <form>
        <div class="mb-3">
            <label class="form-label" for="username">Username</label>
            <input type="text" id="username" class="form-control">
            <div class="form-text">不會記憶任何資訊!</div>
        </div>
    </form>
</div>
```
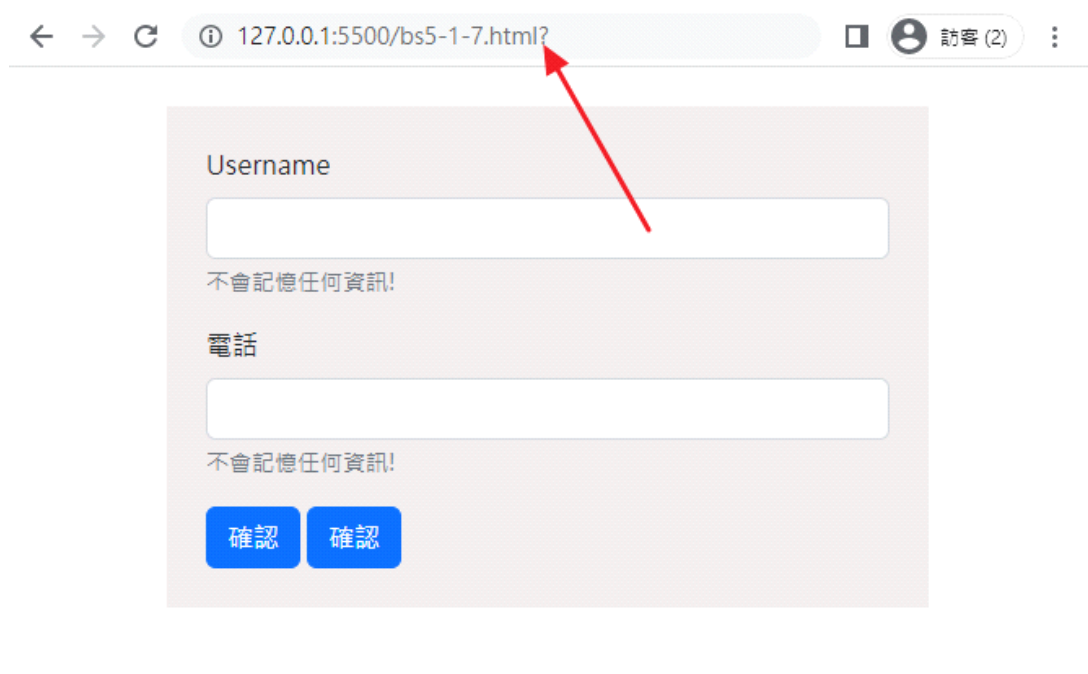
for, id 需要一致, 選取label也可同時選取input

Username

不會記憶任何資訊!

type="button" form表單無反應
type="submit" form表單內容送出並清空

```html
<form>
    <div class="mb-3">
        <label class="form-label" for="username">Username</label>
        <input type="text" id="username" class="form-control">
        <div class="form-text">不會記憶任何資訊!</div>
    </div>
    <div class="mb-3">
        <label class="form-label" for="tel">電話</label>
        <input type="tel" id="tel" class="form-control">
        <div class="form-text">不會記憶任何資訊!</div>
    </div>
    <button type="button" class="btn btn-primary">確認</button>
    <button type="submit" class="btn btn-primary">確認</button>
</form>
```

利用 align-items-center 搭配 form-text 讓文字垂直置中

```html
<div class="demo">
    <div class="row align-items-center">
        <div class="col-auto">
            <label class="form-label" for="username">Username</label>
        </div>
        <div class="col-auto">
            <input type="text" id="username" class="form-control">
        </div>
        <div class="col-auto">
            <div class="form-text">不會記憶任何資訊!</div>
        </div>
    </div>
</div>
```


disabled

```
<div class="demo">
    <form>
        <div class="row align-items-center">
            <div class="col-auto">
                <label class="form-label" for="username">Username</label>
            </div>
            <div class="col-auto">
                <input disabled type="text" id="username" class="form-control">
            </div>
            <div class="col-auto">
                <div class="form-text">不會記憶任何資訊!</div>
            </div>
        </div>
    </form>
</div>
```

Username　　　　　　　　　　　不會記憶任何資訊!

2. Form controls

```
<div class="demo">
    <input class="form-control form-control-lg mb-2" type="text" placeholder=".form-control-lg"
    aria-label=".form-control-lg example">
    <input class="form-control mb-2" type="text" placeholder="Default input" aria-label="default input
    example">
    <input class="form-control form-control-sm mb-2" type="text" placeholder=".form-control-sm"
    aria-label=".form-control-sm example">
</div>
```

.form-control-lg

Default input

.form-control-sm

File input

```html
<div class="demo">
    <div class="mb-3">
        <label for="formFile" class="form-label">Default file input example</label>
        <input class="form-control" type="file" id="formFile">
    </div>
    <div class="mb-3">
        <label for="formFileMultiple" class="form-label">Multiple files input example</label>
        <input class="form-control" type="file" id="formFileMultiple" multiple>
    </div>
    <div class="mb-3">
        <label for="formFileDisabled" class="form-label">Disabled file input example</label>
        <input class="form-control" type="file" id="formFileDisabled" disabled>
    </div>
    <div class="mb-3">
        <label for="formFileSm" class="form-label">Small file input example</label>
        <input class="form-control form-control-sm" id="formFileSm" type="file">
    </div>
    <div>
        <label for="formFileLg" class="form-label">Large file input example</label>
        <input class="form-control form-control-lg" id="formFileLg" type="file">
    </div>
</div>
```

Default file input example

| 選擇檔案 | 未選擇任何檔案 |

Multiple files input example

| 選擇檔案 | 未選擇任何檔案 |

Disabled file input example

| 選擇檔案 | 未選擇任何檔案 |

Small file input example

| 選擇檔案 | 未選擇任何檔案 |

Large file input example

| 選擇檔案 | 未選擇任何檔案 |

Datalists

```html
<div class="demo">
    <label for="exampleDataList" class="form-label">我的美食紀錄</label>
    <input class="form-control" list="datalistOptions" id="exampleDataList" placeholder="Type to search...">
    <datalist id="datalistOptions">
        <option value="牛肉麵">
        <option value="麥當勞">
        <option value="肯德基">
        <option value="必勝客">
        <option value="春水堂">
    </datalist>
</div>
```

我的美食紀錄

Type to search...

3. Select

```html
<div class="demo">
    <select class="form-select" aria-label="Default select example">
        <option selected>Open this select menu</option>
        <option value="1">One</option>
        <option value="2">Two</option>
        <option value="3">Three</option>
    </select>
</div>
```

Open this select menu ⌄
Open this select menu
One
Two
Three

Multiple, form-select-lg

```html
<div class="demo">
    <select class="form-select mb-2" multiple aria-label="Default select example">
        <option selected>Open this select menu</option>
        <option value="1">One</option>
        <option value="2">Two</option>
        <option value="3">Three</option>
    </select>
    <select class="form-select form-select-lg" aria-label="Default select example">
        <option selected>Open this select menu</option>
        <option value="1">One</option>
        <option value="2">Two</option>
        <option value="3">Three</option>
    </select>
</div>
```

Open this select menu
One
Two
Three

Open this select menu ⌄

Size 表達可以顯示幾筆資料

```html
<select class="form-select mb-2" size="4"  multiple aria-label="Default select example">
    <option selected>Open this select menu</option>
    <option value="1">One</option>
    <option value="2">Two</option>
    <option value="3">Three</option>
    <option value="4">Four</option>
</select>
```

```
Open this select menu
One
Two
Three
```

4. Checks and radios
form-check, form-check-input, form-check-label, checked

```html
<div class="demo">
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value="" id="flexCheckDefault">
        <label class="form-check-label" for="flexCheckDefault">
            Default checkbox
        </label>
    </div>
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value="" id="flexCheckChecked" checked>
        <label class="form-check-label" for="flexCheckChecked">
            Checked checkbox
        </label>
    </div>
</div>
```

```
☐ Default checkbox
☑ Checked checkbox
```

Radio: name 必須一致!

```html
<div class="demo">
    <div class="form-check">
        <input class="form-check-input" type="radio" name="sameDefault" id="flexRadioDefault1">
        <label class="form-check-label" for="flexRadioDefault1">
            Default radio
        </label>
    </div>
    <div class="form-check">
        <input class="form-check-input" type="radio" name="sameDefault" id="flexRadioDefault2" checked>
        <label class="form-check-label" for="flexRadioDefault2">
            Default checked radio
        </label>
    </div>
</div>
```

```
○ Default radio
◉ Default checked radio
```

Switches（.form-switch, role="switch"）

```html
<div class="demo">
    <div class="form-check form-switch">
        <input class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckDefault">
        <label class="form-check-label" for="flexSwitchCheckDefault">Default switch checkbox input</label>
    </div>
    <div class="form-check form-switch">
        <input class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckChecked" checked>
        <label class="form-check-label" for="flexSwitchCheckChecked">Checked switch checkbox input</label>
    </div>
    <div class="form-check form-switch">
        <input class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckDisabled" disabled>
        <label class="form-check-label" for="flexSwitchCheckDisabled">Disabled switch checkbox input</label>
    </div>
    <div class="form-check form-switch">
        <input class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckCheckedDisabled" checked disabled>
        <label class="form-check-label" for="flexSwitchCheckCheckedDisabled">Disabled checked switch checkbox input</label>
    </div>
</div>
```

- ○ Default switch checkbox input
- ● Checked switch checkbox input
- ○ Disabled switch checkbox input
- ● Disabled checked switch checkbox input

Inline

```html
<div class="demo">
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="checkbox" id="inlineCheckbox1" value="option1">
        <label class="form-check-label" for="inlineCheckbox1">1</label>
    </div>
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="checkbox" id="inlineCheckbox2" value="option2">
        <label class="form-check-label" for="inlineCheckbox2">2</label>
    </div>
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="checkbox" id="inlineCheckbox3" value="option3" disabled>
        <label class="form-check-label" for="inlineCheckbox3">3 (disabled)</label>
    </div>
</div>
```

☑ 1 ☑ 2 ☐ 3 (disabled)

```
<div class="demo">
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="radio" name="inlineRadioOptions" id="inlineRadio1"
        value="option1">
        <label class="form-check-label" for="inlineRadio1">1</label>
    </div>
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="radio" name="inlineRadioOptions" id="inlineRadio2"
        value="option2">
        <label class="form-check-label" for="inlineRadio2">2</label>
    </div>
    <div class="form-check form-check-inline">
        <input class="form-check-input" type="radio" name="inlineRadioOptions" id="inlineRadio3"
        value="option3"
            disabled>
        <label class="form-check-label" for="inlineRadio3">3 (disabled)</label>
    </div>
</div>
```

○ 1　　○ 2　　○ 3 (disabled)

Checkbox toggle buttons (保留狀態)

```
<div class="demo">
    <input type="checkbox" class="btn-check" id="btn-check" autocomplete="off">
    <label class="btn btn-primary" for="btn-check">Single toggle</label>
</div>
<div class="demo">
    <input type="checkbox" class="btn-check" id="btn-check-2" checked autocomplete="off">
    <label class="btn btn-primary" for="btn-check-2">Checked</label>
</div>
```

5. Range

```
<div class="demo">
    <label for="customRange3" class="form-label">Example range</label>
    <input type="range" class="form-range" min="0" max="100" step="1" id="customRange3">
</div>
<div class="demo">
    range的參數為: <span id="demo">0</span>
</div>
<script>
    const range = document.querySelector('#customRange3');
    range.addEventListener('change', (evt)=>{
    document.querySelector('#demo').innerHTML = evt.target.value;
    })
</script>
```

6. Input群組

input-group, input-group-text

```
<div class="input-group mb-3">
    <span class="input-group-text" id="basic-addon1">@</span>
    <input type="text" class="form-control" placeholder="Username" aria-label="Username"
        aria-describedby="basic-addon1">
</div>
```

| @ | Username |

```
<div class="input-group mb-3">
    <input type="text" class="form-control" placeholder="Recipient's username"
    aria-label="Recipient's username"
        aria-describedby="basic-addon2">
    <span class="input-group-text" id="basic-addon2">@example.com</span>
</div>
```

| Recipient's username | @example.com |

```
<label for="basic-url" class="form-label">Your vanity URL</label>
<div class="input-group mb-3">
    <span class="input-group-text" id="basic-addon3">https://example.com/users/</span>
    <input type="text" class="form-control" id="basic-url" aria-describedby="basic-addon3">
</div>

<div class="input-group mb-3">
    <span class="input-group-text">$</span>
    <input type="text" class="form-control" aria-label="Amount (to the nearest dollar)">
    <span class="input-group-text">.00</span>
</div>
```

Your vanity URL

| https://example.com/users/ | |

| $ | | .00 |

Button addons

```
<div class="demo">
    <div class="input-group mb-3">
        <button class="btn btn-outline-secondary" type="button" id="button-addon1">Button</button>
        <input type="text" class="form-control" placeholder="" aria-label="Example text with button
        addon" aria-describedby="button-addon1">
    </div>

    <div class="input-group mb-3">
        <input type="text" class="form-control" placeholder="Recipient's username"
        aria-label="Recipient's username" aria-describedby="button-addon2">
        <button class="btn btn-outline-secondary" type="button" id="button-addon2">Button</button>
    </div>

    <div class="input-group mb-3">
        <button class="btn btn-outline-secondary" type="button">Button</button>
        <button class="btn btn-outline-secondary" type="button">Button</button>
        <input type="text" class="form-control" placeholder="" aria-label="Example text with two
        button addons">
    </div>

    <div class="input-group">
        <input type="text" class="form-control" placeholder="Recipient's username"
        aria-label="Recipient's username with two button addons">
        <button class="btn btn-outline-secondary" type="button">Button</button>
        <button class="btn btn-outline-secondary" type="button">Button</button>
    </div>
</div>
```

| Button | |

| Recipient's username | Button |

7. 表單驗證

is-valid 呼叫 valid-feedback

is-invalid 呼叫 invalid-feedback

required 表示需要驗證

此驗證功能可以搭配後端並該改 .is-valid or .is-invalid 以顯示相對的警告訊息!

```html
<div class="demo">
    <form class="row g-3">
        <div class="col-md-4">
            <label for="validationServer01" class="form-label">First name</label>
            <input type="text" class="form-control is-invalid" id="validationServer01" value="Mark"
            required>
            <div class="valid-feedback"> 輸入正確!</div>
            <div class="invalid-feedback">錯誤輸入錯誤!</div>
        </div>
        <div class="col-md-4">
            <label for="validationServer02" class="form-label">Last name</label>
            <input type="text" class="form-control is-valid" id="validationServer02" value="Otto"
            required>
            <div class="valid-feedback"> 輸入正確!</div>
            <div class="invalid-feedback">錯誤輸入錯誤!</div>
        </div>
        <div class="col-12">
            <div class="form-check">
                <input class="form-check-input is-invalid" type="checkbox" value="" id="invalidCheck3"
                    aria-describedby="invalidCheck3Feedback" required>
                <label class="form-check-label" for="invalidCheck3">
                    同意條款和條件
                </label>
                <div id="invalidCheck3Feedback" class="invalid-feedback">你必須先同意條款和條件</div>
            </div>
        </div>
        <div class="col-12">
            <button class="btn btn-primary" type="submit">Submit form</button>
        </div>
    </form>
</div>
```
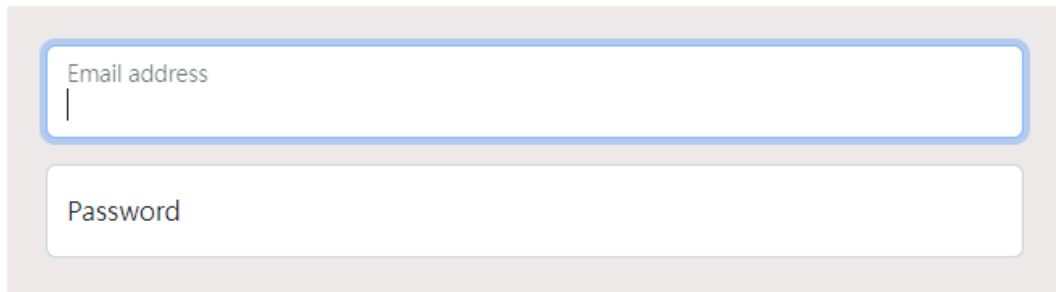
8. Floating labels(浮動標籤)

```html
<div class="demo">
    <div class="form-floating mb-3">
        <input type="email" class="form-control" id="floatingInput" placeholder="name@example.com">
        <label for="floatingInput">Email address</label>
    </div>
    <div class="form-floating">
        <input type="password" class="form-control" id="floatingPassword" placeholder="Password">
        <label for="floatingPassword">Password</label>
    </div>
</div>
```
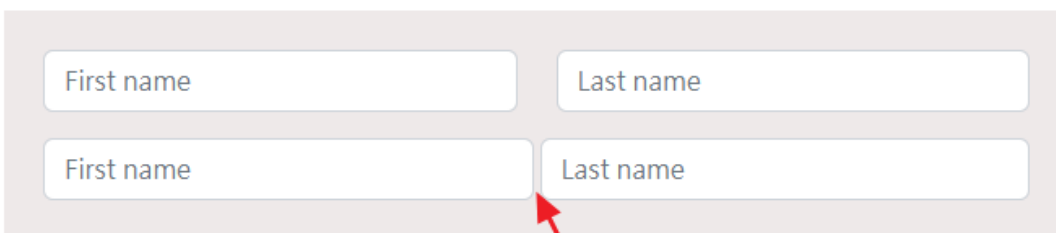
Email address

Password

9. 表單排版練習
利用格線排版, 搭配**gutter**

```html
<div class="demo">
    <div class="row mb-3">
        <div class="col-6">
            <input type="text" class="form-control" placeholder="First name">
        </div>
        <div class="col-6">
            <input type="text" class="form-control" placeholder="Last name">
        </div>
    </div>
    <div class="row gx-1">
        <div class="col-6">
            <input type="text" class="form-control" placeholder="First name">
        </div>
        <div class="col-6">
            <input type="text" class="form-control" placeholder="Last name">
        </div>
    </div>
</div>
```

First name   Last name

First name   Last name

```
<div class="demo">
    <div class="row gx-2 gy-3">
        <div class="col-6">
            <label for="" class="form-text">First name</label>
            <input type="text" class="form-control" placeholder="First name">
        </div>
        <div class="col-6">
            <label for="" class="form-text">Last name</label>
            <input type="text" class="form-control" placeholder="Last name">
        </div>
        <div class="col-12">
            <label for="" class="form-text">email</label>
            <input type="email" class="form-control" placeholder="email">
        </div>
        <div class="col-12">
            <label for="" class="form-text">address</label>
            <input type="text" class="form-control" placeholder="address">
        </div>
    </div>
</div>
```

First name	Last name
First name	Last name

email

email

address

address

label文字垂直置中 col-form-label

```
<div class="demo">
    <div class="row gx-2 gy-3">
        <div class="col-6">
            <div class="row">
                <label for="" class="form-text col-sm-4 col-form-label">First name</label>
                <div class="col-sm-8">
                    <input type="text" class="form-control" placeholder="First name">
                </div>
            </div>
        </div>
        <div class="col-6">
            <div class="row">
                <label for="" class="form-text col-sm-4">First name</label>
                <div class="col-sm-8">
                    <input type="text" class="form-control" placeholder="First name">
                </div>
            </div>
        </div>
        <div class="col-12">
            <div class="row">
                <label for="" class="form-text col-sm-2 col-form-label">email</label>
                <div class="col-sm-10">
                    <input type="email" class="form-control" placeholder="email">
                </div>
            </div>
        </div>
    </div>
</div>
```

First name	First name	First name	First name
email	email		
email	email		