A user fills in a form and then presses a button to submit the information to the server.

username = Ivy

vote = Herbie

1

VOTE FOR YOUR FAVORITE JAZZ MUSICIAN OF ALL TIME

Username: Ivy

I vote for:
- ○ Ella Fitzgerald
- ● Herbie Hancock
- ○ John Coltrane
- ○ Miles Davis
- ○ Thelonius Monk

SUBMIT

2

The name of each form control is sent to the server along with the value the user enters or selects.

3

The server processes the information using a programming language such as PHP, C#, VB.net, or Java. It may also store the information in a database.

4

The server creates a new page to send back to the browser based on the information received.

Thank you, Ivy!

You voted for Herbie Hancock.

Form controls

Lägger till text:
1. Text input
2. Password input
3. Text area

Att göra val:
4. Radio buttons
5. Checkboxes
6. Drop-down boxes

Skicka in formular:
7. Submit buttons
8. Image buttons

Ladda upp filer:
9. File uppload

1 Username:

2 Password: ••

What did you think of this gig?

3

4 Please select your favorite genre:
◉ Rock ○ Pop ○ Jazz

5 Please select your favorite music service(s):
☑ iTunes ☐ Last.fm ☑ Spotify

What device do you listen to music on?

iPod ⌄

iPod
Radio
Computer

7 Subscribe

8 SUBSCRIBE

9 Upload your song in MP3 format:

Välj fil | Ingen fil vald
Upload

HTML Formulär – Grunderna

```
<form action="action_page.php" method="post">

        First name: <br>

        <input type="text" name="firstname">
<br>

        Last name: <br>

        <input type="text" name="lastname"> <br>

        <input type="submit" value="Submit">

</form>
```

First name:

Last name:

Submit

Inloggningsformulär

```
<form action="action_page.php" >
    <p>Username:
    <input type="text" name="username" size="15"
    maxlength="10">
    </p>
    <p>Password:
    <input type="password" name="password" size="15"
    maxlength="20">
    </p>
    <p>
    <input type="submit" value="Submit">
    </p>
</form>
```

Textarea

```html
<p>Would you like to give us a comment?</p>
  <textarea name="comments" cols="20" rows="4"></textarea>
```

Would you like to give us a comment?

Radioknappar

<p>Please select your favorite genre:

<input type="radio" name="genre" value="rock" checked="checked">

Rock

<input type="radio" name="genre" value="pop">

Pop

<input type="radio" name="genre" value="jazz">

Jazz

</p>

Please select your favorite genre:
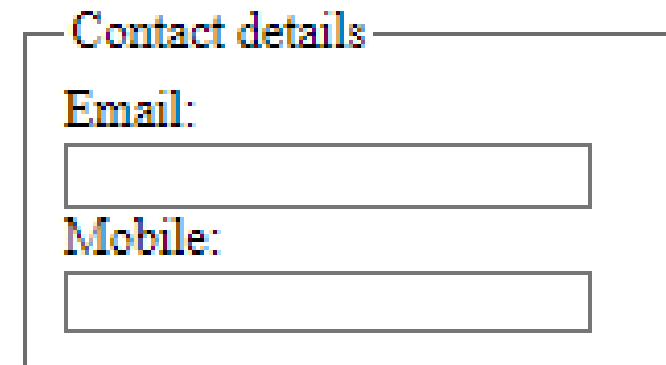◉ Rock ○ Pop ○ Jazz

Label

```
<label>Age:<input type="text" name="age"></label>

    <br>

    Gender:

    <input id="female" type="radio" name="gender" value="f">

    <label for="female">Female</label>


    <input id="male" type="radio" name="gender" value="m">

    <label for="male">Male</label>
```

Age: _____
Gender: ○ Female ○ Male

Fieldset

```html
<fieldset>
    <legend>Contact details</legend>
    <label>Email:<br>
    <input type="text" name="email">
    </label>
    <br>
    <label>Mobile:<br>
    <input type="text" name="mobile">
    </label>
</fieldset>
```

Kryssrutor (Checkbox)

Please select your favorite music service(s):
☑ iTunes ☐ Syntax.fm ☐ Spotify

```html
<p>Please select your favorite music service(s):<br>
    <input type="checkbox" name="service" value="itunes" checked="checked">
    iTunes
    <input type="checkbox" name="service" value="syntaxfm">
    Syntax.fm
    <input type="checkbox" name="service" value="spotify">
    Spotify
  </p>
```

Drop-Down-Listor

<p>What device do you listen to music on?</p>
   <select name="devices">
     <option value="ipod">iPod</option>
     <option value="radio">Radio</option>
     <option value="computer" selected >Computer</option>
   </select>

What device do you listen to music on?

Computer ⌄
iPod
Radio
Computer

Datumfält

<label for="departure">Departure date:</label>
    <input id="departure" type="date" name="depart">
    <input type="submit" value="Submit">

Sökfält och placeholder

```
<input type="search" name="search" placeholder="Sök...">
   <input type="submit" value="Sök">
   <input type="reset" value="Rensa">
```

Ladda upp en fil

```
<p>Upload your song in MP3 format:</p>
   <input type="file" name="user-song" /><br />
   <input type="submit" value="Upload" />
```

Upload your song in MP3 format:

| Välj fil | Ingen fil har valts

Upload

Attributet disabled

```
<form>
    First name: <input type="text" name="firstname">
    <input type="submit" disabled>
  </form>
```

First name: [   ] Skicka

Formulärvalidering – Attributet required

```
<form>
    Quantity (between 1 and 5):
    <input type="number" name="quantity" required>
    <input type="submit" value="Send">
  </form>
```

E-postfält

```
<form action="subscribe.php">
    <p>Subscribe to our email list:</p>
    <input type="email" name="email">
    <input type="submit" name="subscribe" value="Subscribe">
  </form>
```

Validering – Min och Max

```
<form>
    Quantity (between 1 and 10):
    <input type="number" name="quantity"
    min="1" max="10" required>
    <input type="submit" value="Send">
</form>
```
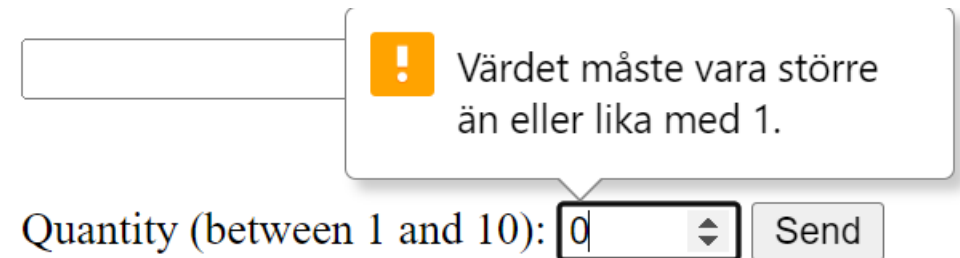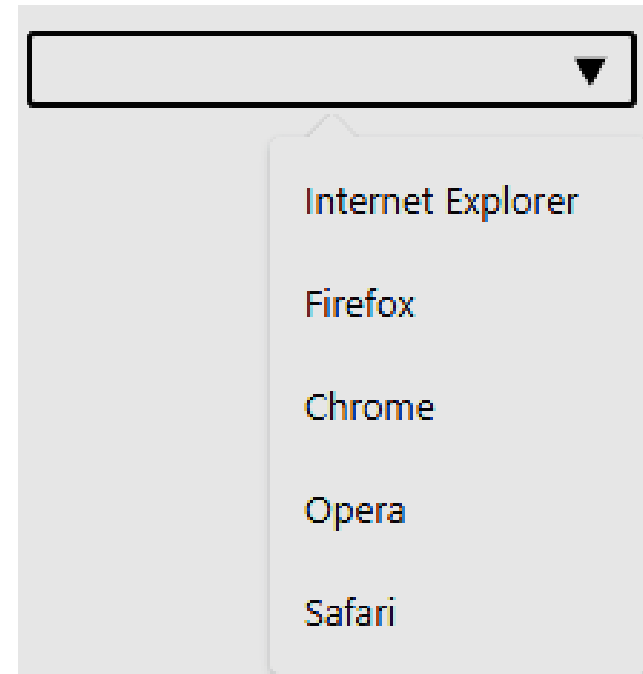

Värdet måste vara större än eller lika med 1.

Quantity (between 1 and 10): 0   Send

Datalist

```
<input list="browsers" name="browser">
  <datalist id="browsers">
    <option value="Internet Explorer">
    <option value="Firefox">
    <option value="Chrome">
    <option value="Opera">
    <option value="Safari">
  </datalist>
```

Ytterligare input-typer

Select a time:

`<input type="time" name="time"> <br>`

Select a week:

`<input type="week" name="week"> <br>`

Select your favorite color:

`<input type="color" name="favcolor" value="#8E269C"> <br>`

Your favorite website

`<input type="url" name="website">`

`<input type="hidden" name="custId" value="3487">`

Select a time: `-- : --` 🕐

Select a week: `Vecka -- ----` 📅
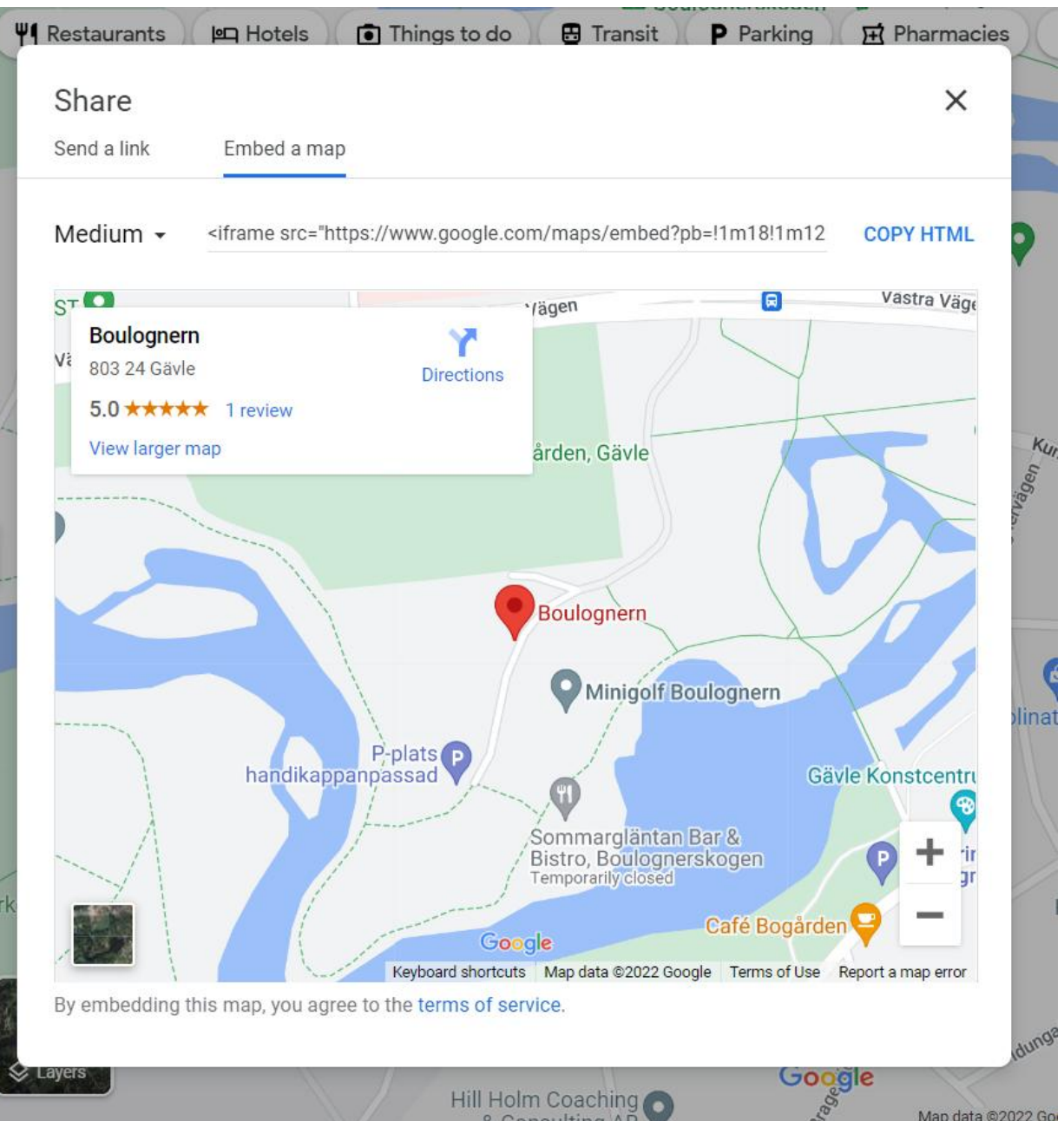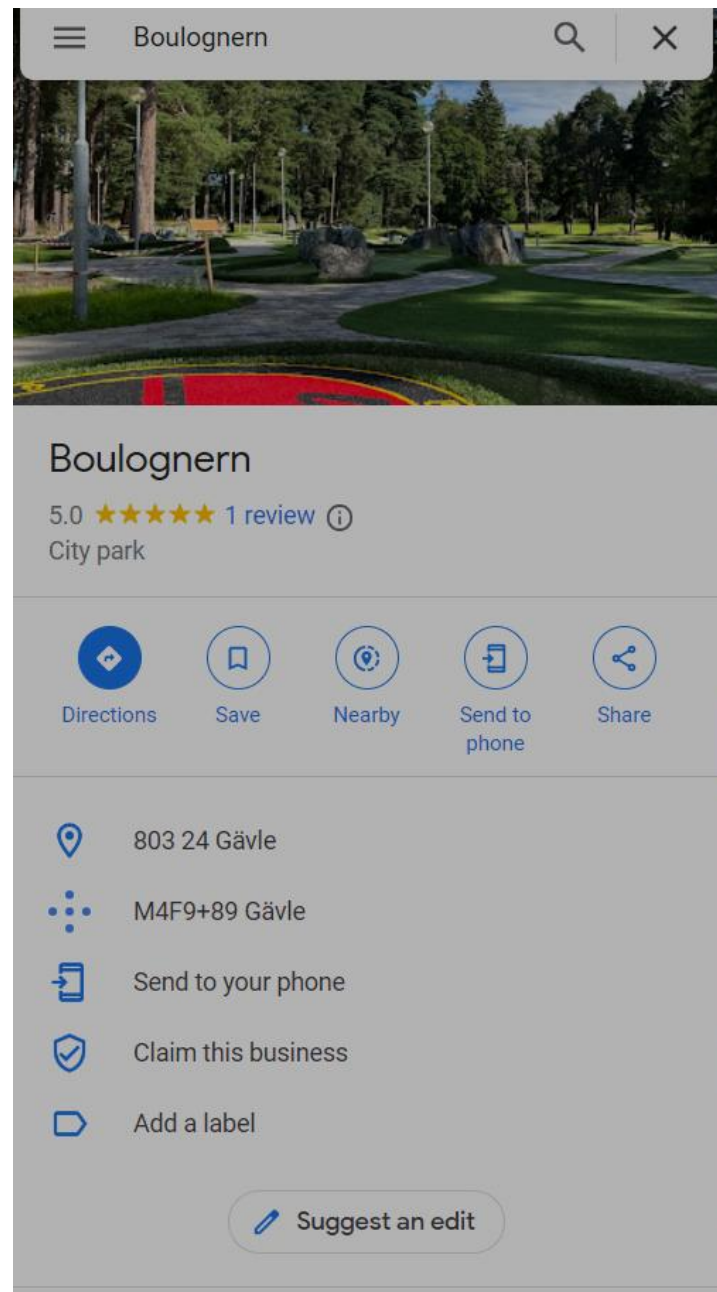
Select your favorite color: ▮

Your favorite website

<iframe> – Inline Frame

- Skapa flytande/inbäddade ramar med <iframe>.

- Iframe-taggen ger möjlighet att skapa ett fönster som visar innehåll från ett annat dokument eller URL, var som helst på en webbsida.

- Youtube, Google Maps och många andra webbtjänster generar en iframe-kod åt dig!

Iframe exempel

Teckenkoder (entiteter)

Less-than sign
`<`
`<`

Greater-than sign
`>`
`&`

Ampersand
`&`
`&`

Quotation mark
`"`
`"`

Cent sign
`¢`
`¢`

Pound sign
`£`
`£`

Yen sign
`¥`
`¥`

Euro sign
`€`
`€`

Copyright symbol
`©`
`©`

Registered trademark
`®`
`®`

Left single quote
`‘`
`‘`

Right single quote
`’`
`’`

Left double quotes
`“`
`“`

Right double quotes
`”`
`”`

Multiplication sign
`×`
`×`

Division sign
`÷`
`÷`

HTML Character Escape Codes and Entity References (htmlandcssbook.com)

Övning 1

Övning 2

Skapa konto registreringssida. Använd formulärvalidering.

Uppgift finns på teams.

Övning 3

Fortsätt med din HTML -Tabell som innehåller alla element vi har lärt oss hittills! Lägg även till några viktiga attribut under respektive element. Länka till dokumentation på w3schools.

Uppgift - Webbsite feedback form
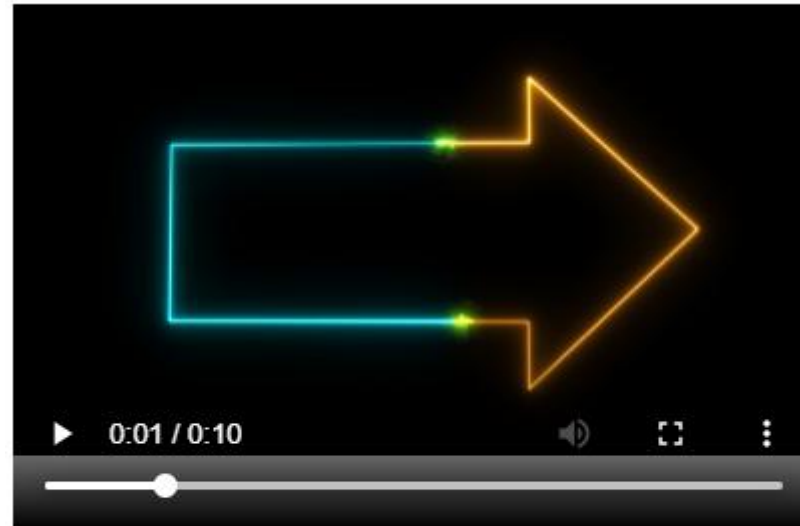
Finns på Teams

Fundera på ...

Summering

Forms

Instudieringsfrågor:

- Vilka element behövs för att skapa ett inloggningsformulär i HTML?

- Vad innebär formulärvalidering? Skriv några exempel!

- Hur fungerar iframe-taggen?

Video på webben

<video src="video/puppy.mp4"poster="images/puppy.jpg"

width="400" height="300"

preload

controls

loop>

</video>

Multiple video sources

<video poster="images/puppy.jpg" width="400" height="320"

preload="" controls="" loop="">

<source src="video/puppy.mp4" type="video/mp4;codecs="avc1.42E01E,
mp4a.40.2"">

<source src="video/puppy.webm" type="video/webm;codecs="vp8, vorbis"">

<p>A video of a puppy playing in the snow</p>

</video>

Ljud på webben

▶ 0:00 / 0:00 ⎯⎯⎯⎯⎯ 🔊 ⋮

```
<audio src="audio/test-audio.ogg" controls autoplay>
    <p>This browser does not support our audio format.</p>
    </audio>
```

Multiple audio sources

```
<audio controls="" autoplay="">

    <source src="audio/test-audio.ogg">

    <source src="audio/test-audio.mp3">

    <p>This browser does not support our audio format.</p>

</audio>
```

Summering

HTML video och ljud

Instuderingsfrågor

- Vilka taggar och attribut är viktiga för att spela upp ljud i HTML?

- Vilka taggar och attribut är viktiga för att spela upp video i HTML?

Bra övningar från w3schools

https://www.w3schools.com/html/html_examples.asp

- HTML Froms
- HTML Form Elements
- HTML Input Types