



# Video 1.7

## Chris Murphy

# Review

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- **HTML** allows us to specify the structure of Web content
- **CSS** is a formatting language used to describe the appearance of content in an HTML file

# Lists in HTML: `<ol>` and `<ul>`

---

- Lists can either be ordered or unordered

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- Lists can either be ordered or unordered

## Ordered List: <ol>

1. January
2. February
3. March

# Lists in HTML: <ol> and <ul>

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- Lists can either be ordered or unordered

## Ordered List: <ol>

1. January
2. February
3. March

```
<ol>  
  <li> January </li>  
  <li> February </li>  
  <li> March </li>  
</ol>
```

# Lists in HTML: <ol> and <ul>

---

- Lists can either be ordered or unordered

## Ordered List: <ol>

1. January
2. February
3. March

```
<ol>  
  <li> January </li>  
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  <li> March </li>  
</ol>
```

## Unordered List: <ul>

- Eliana
- Chris
- Swapneel

# Lists in HTML: <ol> and <ul>

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- Lists can either be ordered or unordered

## Ordered List: <ol>

1. January
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## Unordered List: <ul>

- Eliana
- Chris
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```
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  <li> Chris </li>  
  <li> Swapneel </li>  
</ul>
```

# Lists in HTML: `<ol>` and `<ul>`

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- Lists can either be ordered or unordered

## Ordered List: `<ol>`

1. January
2. February
3. March

```
<ol>
  <li> January </li>
  <li> February </li>
  <li> March </li>
</ol>
```

## Unordered List: `<ul>`

- Eliana
- Chris
- Swapneel

```
<ul>
  <li> Eliana </li>
  <li> Chris </li>
  <li> Swapneel </li>
</ul>
```

- In both cases, use `<li>` tag to represent List Items



# Unordered Lists - Style

---

- Use CSS style properties to determine the style of bullet point used within the list as follows (inline example)

# Unordered Lists - Style

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```
<ul style="list-style-type:circle">  
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  <li> Chris </li>  
  <li> Swapneel </li>  
</ul>
```

# Unordered Lists - Style

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<ul style="list-style-type:circle">  
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</ul>
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## Unordered List

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list-style-type:value	Bullet View
disc	• Disc is the default value
circle	○ This is the circle view
square	▪ This is the square view
none	No bullets, just list items

# Ordered Lists - Style

---

- Use the *type* attribute of `<ol>` tag to select numbering of each item

# Ordered Lists - Style

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- Use the *type* attribute of `<ol>` tag to select numbering of each item

```
<ol type="A" >  
  <li> January</li>  
  <li> February</li>  
  <li> March</li>  
</ol>
```

# Ordered Lists - Style

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- Use the *type* attribute of `<ol>` tag to select numbering of each item

```
<ol type="A" >  
  <li> January</li>  
  <li> February</li>  
  <li> March</li>  
</ol>
```

## Ordered List

- A. January
- B. February
- C. March

# Ordered Lists - Style

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- Use the *type* attribute of `<ol>` tag to select numbering of each item

```
<ol type="A" >  
  <li> January</li>  
  <li> February</li>  
  <li> March</li>  
</ol>
```

## Ordered List

- A. January
- B. February
- C. March

type	View
type="1"	1. This is the default setting 2. for ordered lists
type="A"	A. Items ordered with B. Uppercase letters
type="a"	a. Items ordered with b. Lowercase letters
type="I"	I. Items ordered with II. Uppercase Roman Numerals
type="i"	i. Items ordered with ii. Lowercase Roman Numerals



# Nested Lists

---

- List items can themselves include lists as well to produce a nested list effect

```
<ul style="list-style-type:circle">  
  <li> Eliana </li>  
  <li> Chris </li>  
    <ol type="A">  
      <li> SD2x </li>  
      <li> SD4x </li>  
    </ol>  
  <li> Swapneel </li>  
</ul>
```

# Nested Lists

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  <li> Chris </li>  
    <ol type="A">  
      <li> SD2x </li>  
      <li> SD4x </li>  
    </ol>  
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      <li> SD4x </li>  
    </ol>  
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</ul>
```

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  <li> Eliana </li>  
  <li> Chris </li>  
    <ol type="A">  
      <li> SD2x </li>  
      <li> SD4x </li>  
    </ol>  
  <li> Swapneel </li>  
</ul>
```

- Eliana
- Chris
  - A. SD2x
  - B. SD4x
- Swapneel

# Application Form

Full Name:

Email Address:

Password:

Date of Birth:

Graduation Year:

Phone Number:

## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen



# Forms

---

- Forms are used to retrieve information from user of a Web page
- Enclose all form fields within `<form>` elements

```
<form>
  Full name:<br>
  <input type="text" name="fullname" value="Jane Doe">
<br>
  Email Address:<br>
  <input type="email" name="email"
    value="jdoe@example.com">
<br><br>
  <input type="submit" value="Submit">
</form>
```

Full name:

Email Address:

Submit

# Forms: `<input type="value">`

---

- Use the *type* attribute of the input tag to provide more information on what type of data to expect from the user
- Different *types* often allow different input formats that make data entry more convenient for the user

# Application Form

Full Name:

Email Address:

Password:

Date of Birth:

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Phone Number:

## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

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☐ Pacific Islander ☐ Other

## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen



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Full Name:

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Gender: ☐ Male ☐ Female ☐ Undisclosed

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen

# Forms – Text Inputs

Full Name:

Email Address:

Password:

Date of Birth:

```
<br> Full Name:  
<input type="text" name="username">  
  
<br> Email Address:  
<input type="email" name="email">  
  
<br> Password:  
<input type="password" name="password">  
  
<br> Date of Birth:  
<input type="date" name="dob">
```

# Forms – Text Inputs

Full Name:

Email Address:

Password:

Date of Birth:

```
<br> Full Name:  
<input type="text" name="username">  
  
<br> Email Address:  
<input type="email" name="email">  
  
<br> Password:  
<input type="password" name="password">  
  
<br> Date of Birth:  
<input type="date" name="dob">
```

# Forms – Text Inputs

Full Name:

Email Address:

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Date of Birth:

```
<br> Full Name:  
<input type="text" name="username">  
  
<br> Email Address:  
<input type="email" name="email">  
  
<br> Password:  
<input type="password" name="password">  
  
<br> Date of Birth:  
<input type="date" name="dob">
```

# Forms – Text Inputs

Full Name:

Email Address:

Password:

Date of Birth:

```
<br> Full Name:  
<input type="text" name="username">  
  
<br> Email Address:  
<input type="email" name="email">  
  
<br> Password:  
<input type="password" name="password">  
  
<br> Date of Birth:  
<input type="date" name="dob">
```

# Forms – Text Inputs

Full Name:

Email Address:

Password:

Date of Birth:

```
<br> Full Name:  
<input type="text" name="username">  
  
<br> Email Address:  
<input type="email" name="email">  
  
<br> Password:  
<input type="password" name="password">  
  
<br> Date of Birth:  
<input type="date" name="dob">
```

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Gender: ☐ Male ☐ Female ☐ Undisclosed

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Favorite Color:

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# Forms – Slider/Range Input

Graduation Year:

```
<br> Graduation Year:  
<input type="range" name="gradYr" min="1950" max="2020">
```



# Forms – Slider/Range Input

Graduation Year: 

```
<br> Graduation Year:  
<input type="range" name="gradYr" min="1950" max="2020">
```

# Application Form

Full Name:

Email Address:

Password:

Date of Birth:

Graduation Year:

Phone Number:

## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
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Favorite Color:

Resume Submission:  No file chosen

# Forms – Radio Buttons

Gender: ☐ Male ☐ Female ☐ Undisclosed

```
<br> Gender:  
  
<input type="radio"  
      name="genderOption"  
      value="male"> Male  
  
<input type="radio"  
      name="genderOption"  
      value="female"> Female  
  
<input type="radio"  
      name="genderOption"  
      value="undisclosed"> Undisclosed
```

# Forms – Radio Buttons

Gender: ☐ Male ☐ Female ☐ Undisclosed

```
<br> Gender:  
  
<input type="radio"  
      name="genderOption"  
      value="male"> Male  
  
<input type="radio"  
      name="genderOption"  
      value="female"> Female  
  
<input type="radio"  
      name="genderOption"  
      value="undisclosed"> Undisclosed
```

# Forms – Radio Buttons

Gender: ☐ Male ☐ Female ☐ Undisclosed

```
<br> Gender:  
  
<input type="radio"  
      name="genderOption"  
      value="male"> Male  
  
<input type="radio"  
      name="genderOption"  
      value="female"> Female  
  
<input type="radio"  
      name="genderOption"  
      value="undisclosed"> Undisclosed
```

# Forms – Radio Buttons

Gender: ☐ Male ☐ Female ☐ Undisclosed

```
<br> Gender:  
  
<input type="radio"  
      name="genderOption"  
      value="male"> Male  
  
<input type="radio"  
      name="genderOption"  
      value="female"> Female  
  
<input type="radio"  
      name="genderOption"  
      value="undisclosed"> Undisclosed
```

# Application Form

Full Name:   
Email Address:   
Password:   
Date of Birth:   
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## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen

# Forms – Checkboxes

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

<br> Race:

```
<input type="checkbox" name="race" value="afrAmer"> African American
```

```
<input type="checkbox" name="race" value="asian"> Asian
```

```
<input type="checkbox" name="race" value="white"> White
```

```
<input type="checkbox" name="race" value="amIndian"> American Indian
```

```
<input type="checkbox" name="race" value="pacIsl"> Pacific Islander
```

```
<input type="checkbox" name="race" value="other"> Other
```



# Forms – Checkboxes

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

<br> Race:

<input type="checkbox" name="race" value="afrAmer"> African American

<input type="checkbox" name="race" value="asian"> Asian

<input type="checkbox" name="race" value="white"> White

<input type="checkbox" name="race" value="amIndian"> American Indian

<input type="checkbox" name="race" value="pacIsl"> Pacific Islander

<input type="checkbox" name="race" value="other"> Other

# Forms – Checkboxes

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
☐ Pacific Islander ☐ Other

<br> Race:

```
<input type="checkbox" name="race" value="afrAmer"> African American
```

```
<input type="checkbox" name="race" value="asian"> Asian
```

```
<input type="checkbox" name="race" value="white"> White
```

```
<input type="checkbox" name="race" value="amIndian"> American Indian
```

```
<input type="checkbox" name="race" value="pacIsl"> Pacific Islander
```

```
<input type="checkbox" name="race" value="other"> Other
```

# Application Form

Full Name:

Email Address:

Password:

Date of Birth:

Graduation Year:

Phone Number:

## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

Race: ☐ African American ☐ Asian ☐ White ☐ American Indian  
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## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen

# Forms – Color Chooser

Favorite Color:

```
<br> Favorite Color:  
<input type="color" name="favcolor">
```

# Forms – Color Chooser

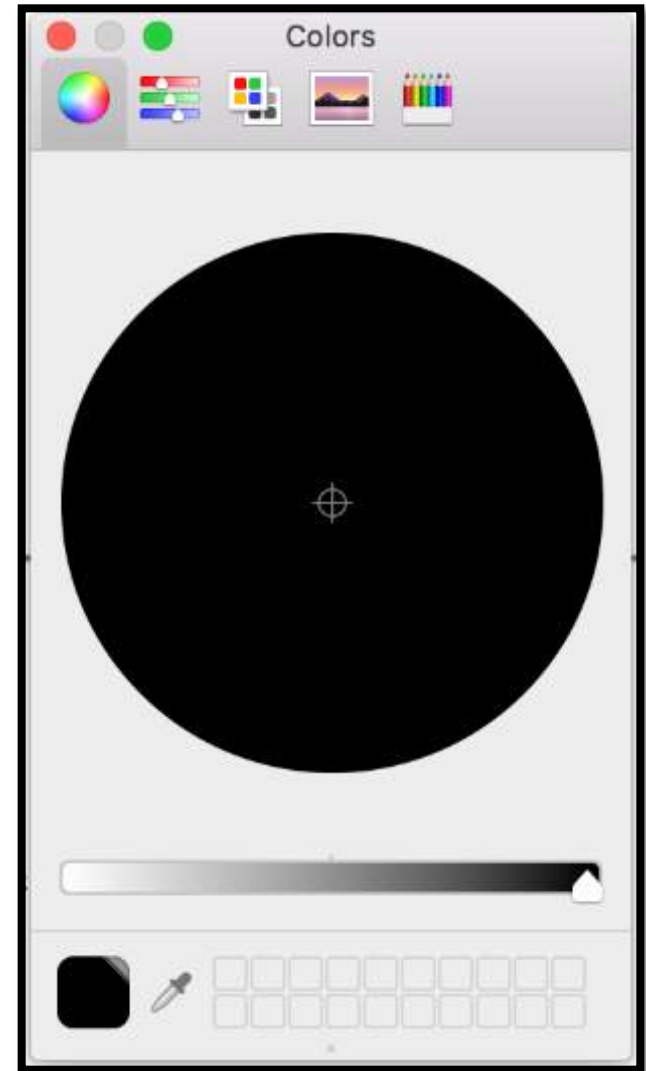
Favorite Color:

```
<br> Favorite Color:  
<input type="color" name="favcolor">
```

# Forms – Color Chooser

Favorite Color:

```
<br> Favorite Color:  
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Full Name:

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## Personal Preferences:

Favorite Color:

Resume Submission:

# Forms – File Uploads

Resume Submission:  No file chosen

```
<br> Resume Submission:  
<input type="file" name="resume">
```



# Forms – File Uploads

Resume Submission:  No file chosen

```
<br> Resume Submission:  
<input type="file" name="resume">
```

# Application Form

Full Name:

Email Address:

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Date of Birth:

Graduation Year:

Phone Number:

## Demographics

Gender: ☐ Male ☐ Female ☐ Undisclosed

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## Personal Preferences:

Favorite Color:

Resume Submission:  No file chosen

# Forms – Buttons



```
<input type="submit" value="Submit">  
<input type="reset" value="Reset">
```

# Forms – Buttons



```
<input type="submit" value="Submit">  
<input type="reset" value="Reset">
```

# Forms – Buttons



```
<input type="submit" value="Submit">  
<input type="reset" value="Reset">
```

# Forms: Input Types

---

Type	Form Field
button	Clickable button
checkbox	Checkbox options
color	Color picker
date	Date picker (year, month, day)
email	Email address field
file	File select/browse for file uploading
hidden	Hidden input field
image	Allow image to serve as submit button
month	Month and year control
time	Time control

Type	Form Field
number	Number format entry
password	Masked characters for password entry
radio	Radio button options
range	Slider control to enter number as a range
reset	Reset all form values to default values (button)
search	Text field for searching
submit	Submit button
tel	Phone number input
text	Plaintext field
url	Field for URL

# Summary

---

- HTML **lists** allow us to organize information in an HTML page and specify the appearance
- HTML **forms** allow us to accept input from the user