To Do List

To Do Lists

"Hello World" of front ends

Tasks added, marked as complete, removed

Store the users tasks

localStorage

Persist data in the browser

Domain-specific

Limited amount of storage

Strings only

Key-value pairs

localStorage

Downside

Doesn't work on files loaded in browser

```
npm install -g serve
```

```
serve
```

localStorage

```
window.localStorage
```

```
setItem(key, value)
```

```
getItem(key)
```

localStorage

```
window.localStorage.setItem("username",
"SuperUser66")'


const username =
window.localStorage.getItem("username");


username === "SuperUser66"
```

localStorage

To the code editor and browser

Prompt user for username if not in localStorage

localStorage

Any questions?

JSON

Java Script Object Notation

Just text

Not objects

Can be **parsed**

JSON

```
{

    "title": "My first blog post"

}
```

Keys are strings, enclosed in ""

Values are: strings, numbers, booleans, arrays, objects, null

JSON

`"{"title": "My first blog post"}"`

It's all just a string

To access object.title, it must be parsed

JSON.parse

```
const jsonData = "{"title": "My first blog
post"}"


const object = JSON.parse(jsonData);


object.title === "My first blog post"
```

JSON.parse

To the code editor and browser

JSON.stringify

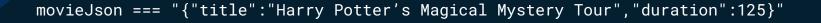To convert a JS object into JSON

Often used when

- Sending data
- Writing to files
- Storing data

JSON.stringify

```
const movie = {

    title: "Harry Potter's Magical Mystery Tour",

    duration: 125

}



const movieJson = JSON.stringify(movie);



movieJson === "{"title":"Harry Potter's Magical Mystery Tour","duration":125}"
```

JSON.stringify

To the code editor and browser

JSON.stringify

Any questions?

To Do List

Deliverables

1. Render items from localStorage

2. Add new task

3. Toggle completed status

4. Remove task

5. Add category to each task, display category

6. Build category filter buttons

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Deliverables

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Deliverables

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2. Add new task

CODERSINHOODS

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7. More features!

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Any questions?