WELCOME TO

REACT 11

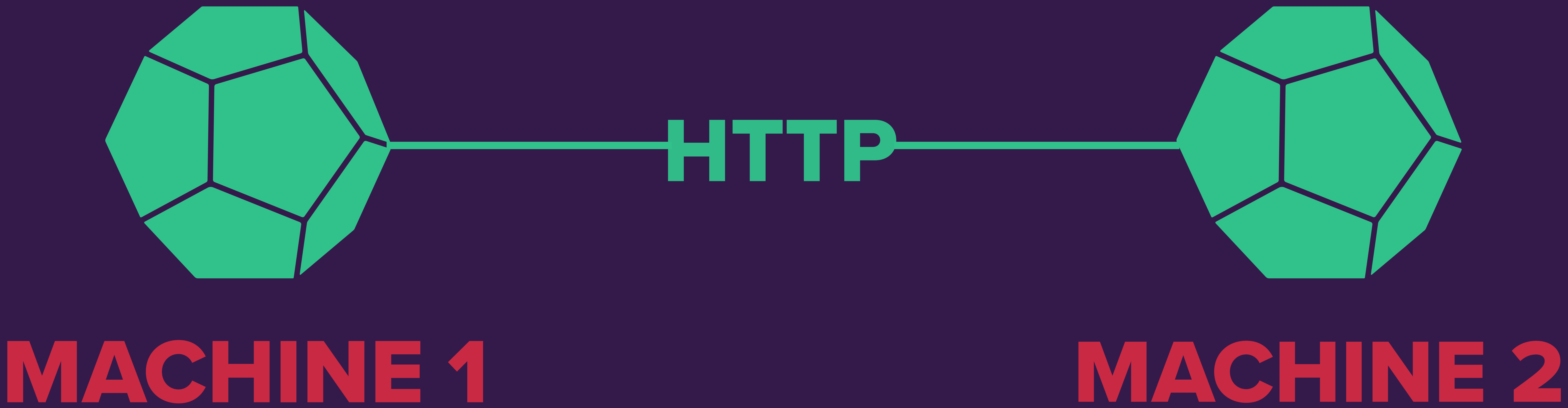
LESSON 6

BASIC HTTP

ON TODAY'S LESSON

BEFORE ANYTHING WE NEED TO REST

REST



HTTP

MACHINE 1

MACHINE 2

CREATE

READ

UPDATE

DELETE

CREATE	POST
READ	GET
UPDATE	PUT/PATCH
DELETE	DELETE

CREATE	POST
READ	GET
UPDATE	PUT/PATCH
DELETE	DELETE

WE RELY ON THESE TO COMMUNICATE WITH OUR SERVER(S)

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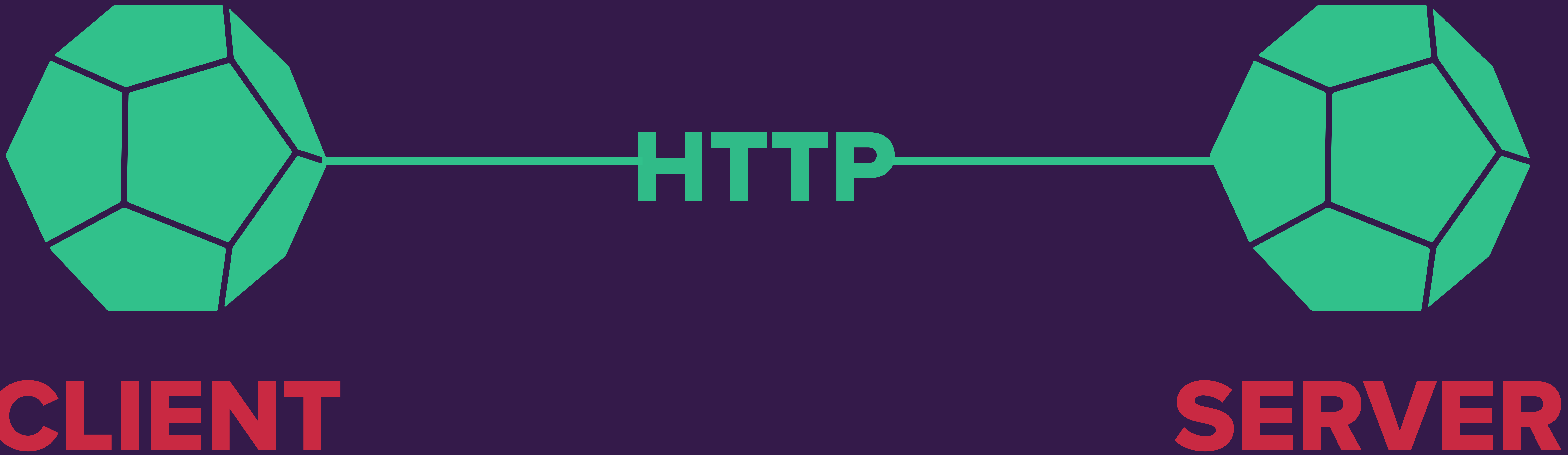

HTTP

CLIENT

SERVER

HOW DO WE DO THIS IN REACT?

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FETCH API

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USES

PROMISES

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ARE

OBJECTS THAT MAY PRODUCE A SINGLE VALUE IN THE FUTURE

FETCH API

USES

PROMISES

FULFILLED

REJECTED

PENDING

ARE

OBJECTS THAT MAY PRODUCE A SINGLE VALUE IN THE FUTURE

GET EXAMPLE

```
componentDidMount( ) {





}
```

GET EXAMPLE

```
componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)



}
```

GET EXAMPLE

```
componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
 .then   ( (res)          => { return res.json() } )



}
```

GET EXAMPLE

```
componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
  .then   ( (res)          => { return res.json() } )
  .then   ( (resData)  => { this.setState( { data: resData } ) } )

}
```

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componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
  .then   ( (res)        => { return res.json() } )
  .then   ( (resData)  => { this.setState( { data: resData } ) } )
  .catch ( (error)      => { console.log(error) } )
}
```

GET EXAMPLE

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componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
  .then   ( res          => res.json() )
  .then   ( resData  => this.setState( { data: resData } ) )
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}
```

POST EXAMPLE

```
fetch(‘https://pokeapi.co/api/v2/pokemon/’,                    )
```

POST EXAMPLE

```
fetch(‘https://pokeapi.co/api/v2/pokemon/’, requestOptions)
```

POST EXAMPLE

```
const requestOptions = {
  method:  ‘POST’,
  headers: { ‘Content-Type’: ‘application/json’ } ,
  body:       JSON.stringify({ pokemon: { name: ‘pikachu’ } })
}


fetch(‘https://pokeapi.co/api/v2/pokemon/’, requestOptions)
```

ASYNC AWAIT

AS INTRODUCED IN ES6

ASYNC AWAIT EXAMPLE

```
componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
  .then   ( res         => res.json() )
  .then   ( resData  => this.setState( { data: resData } ) )
  .catch ( error       => console.log(error) )
}
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ASYNC AWAIT EXAMPLE

```
componentDidMount( ) {







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ASYNC AWAIT EXAMPLE

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async componentDidMount( ) {




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ASYNC AWAIT EXAMPLE

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const res        = await fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)



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ASYNC AWAIT EXAMPLE

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async componentDidMount( ) {

const res          = await fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
const resData = await res.json()



}
```

ASYNC AWAIT EXAMPLE

```
async componentDidMount( ) {

const res        = await fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
const resData = await res.json()
this.setState( { data: resData } )

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ASYNC AWAIT EXAMPLE

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componentDidMount( ) {

fetch(‘https://pokeapi.co/api/v2/pokemon/pikachu’)
  .then   ( res          => res.json() )
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  .catch ( error       => console.log(error) )
}
```

IMPORTANT NOTES

November 26, 2020 (Thursday)	HOT and Cold Example Release
December 3, 2020 (Thursday)	Capstone Deadline + Data Collection (Feedback etc.)

Q.E.D.