

HW

Tuesday, May 2, 2023 12:14 PM

19-May-23

1. Try out the examples of get JSON array and get individual employee and PUT request using reqres.in as discussed
2. Try out the class life cycle and function life cycle as discussed
3. Copy the shopstock.json in public folder

Show all the IDs to the user in a dropdown --

Once the user selects an ID show the itemname and the unit cost

Ask the user to enter a quantity

Show the user Total cost

Ask the user to click a button ADD TO CART

Show the cart

Item name unitcost qty subtotal

Add the qty in a textfield so that user may change it

At each row show a button = on click of the button remove that purchase from the cart

total cost =====>

17-May-23

1. Try out the 3 different ways of solving uppercase , lowercase, titlecase problem as discussed in lecture .
2. Try out the SquareC as discussed
3. CurrencyConvertor class component to be implemented using state
4. Try out the Parent and Child component communication as discussed in class
5. Write a React Component to accept user details

name

email

dropdown	Graduate, PG , UnderGrad
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If the user selects Graduate show GraduateComponent degree, year, final year score, univ

If the user selects PG show PGComponent year, Thesis subject

If the user selects UnderGrad show UnderGradComponent SSC , HSC
(USE conditional Renderring)

6. Do the Fruits example as discussed

16-May-23

1. Try out passing each type of DATA from AppHW1 to Trial1 using PROPS component and print as discussed in class . Trial1 is a functional component
2. Repeat the above by creating Trial2 which is a class component
3. Use function component - Accept a string from user in a textfield , accept the checkbox value for uppercase , lowercase, titlecase
Depending on which checkbox is checked show the input string in upper, lower or title case
EVENT - onBlur of textfield = collect the data
Event - onchange on each check box = show different output in different <p> tags

4. Activate the login screen created yesterday -- if

```
[
    { uname: "xxx",password : "123"},
    { uname: "rrr",password : "13"},
    { uname: "xeex",password : "23"},
]
```

When user enters uname and password that matches any of the above show a message SUCCESSFUL LOGIN on <p> tag

Else show a message FAILED on <p> tag

13-May-23

1. npm install hbs >>> in the mynodeproject
2. Write a login.hbs - show it to user through the server
on click of login button if login correct render welcome.hbs
in welcome.hbs

```
<html>
    <form action="/calculator" >
        Button for calc ==> this will go to app.get("/calculator")
    </form>
    <form action="/maths" >
        button for maths ==> this will go to app.get("/maths")
    </form>
</html>
```

Write code for calc and maths as discussed in class

12-May-23

1. Create a route for guestrouter mapped to /atithi as discussed in class
add following APIs
 - a) Method=GET url="/" show the name of the host as discussed in class
 - b) Method = GET url="/all" show all the names in the list with index
---- create a new array using arr.map ((e,index)=>{ return index+"."+e})
 - c) Method =POST url="/addguest" pass a query parameter "guestname" add
it to a guest array on server side
 - d) Method = GET url="/guestcount" show the total count of guests added
already
 - e) Method = PUT url="/changeusername" pass two path parameters the first
one is the index of the name already in the list and second one is the
changedname . Change the name on the specified index
 - f) method = DELETE url="/removeguest" accept a path parameter that is the
index to be remove . Remove the entry from the guest array

- 2) Write a route productrouter mapped to path /product
create an array of products
 - a) Method =POST url="/add" pass a request body {

```
        "productId":1
        "productName": "AAA",
        "costPerUnit": 30
        "units": 2
    }
```

Add this product Info the products array

- b) Method = GET url=/getInfo pass the product Id as query parameter
Client will receive the entire product object for that ID
 - c) Method = GET url=/all show all array
 - d) method= PUT url=/changecost accept product Id and cost from user as path parameters and change the cost for that product Id
 - e) method= DELETE url=/remove accept a product Id as path parameter and remove it from array
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10-May-23

1. Write an HTML that has <body> <div> <div>
Use parent to set the css of the outer div [user inner div set css of outer div]
Use the find to set the css of the inner div [using outer div set css of inner div]
2. Write a registration form in an html
Validate the name as non empty, non numeric and length >2
Validate the dob such that the age is not less than 18 age is not > 100

Validate the email such that it has @ and dot
Validate the address such that it has a string "pune"
On successful submit go to welcome.html
3. Write an html that is accepting a date of joining give a range using html validation , make it compulsory
Add a text field to describe the job give minlength an max length
Submit the form if the validations are false show messages
If validations are OK then go to welcome.html

9-May-23

1. Using JQuery write an html that has a button-OK . When button is clicked display hello in a <p> tag
Display italics hello in another <p> tag

Display underline hello in third <p> tag

2. Using JQuery accept a number from the user in a textfield - on change show the factorial of that number in a <p> tag

3. Using JQuery accept num: table from and table upto in 3 textfields

for ex num=5 from=1 to =5

On click of show button

Show maths table in html table with a border and 2 columns

5*1	5
5*2	10
5*3	15
5*4	20
5*5	25

4. Using JQuery animate() API , write a div that has a nice quote in a nice font , color and size . Run the scroller from left to right 4 times , then R to L

On click of the button

5. DO the custom attribute example on printing text on multiple lines on your own.

6. Write an HTML that shows an AD that fadeIn on the screen

Give a button-disappear = onclick of the button fadeOut the AD from the screen

7. Try the slideDown and slideUP APIs as discussed in class

8-May-23

1. Try all assignments done in class

2. Write a class Product with properties productName, productCost and prodDesc and showProdDetails function

a. Use "class" syntax . Create objects and call showProdDetails

b. In another file create same class using function constructor syntax create objects and call showProdDetails

c. In another file create a JSON object with above properties and function Call the showProdDetails

3. In HTML show a textfield and button. On button click show all the property names of the textfield element using for-in

4. Using CSS Box Model adjust the margins , padding and border of multiple div as discussed in class

5. try out the array example to push Person details in array and show all person names on button click as discussed in class

6-May-23

1. Accept a date from the user and show the day on that date in words in a <p> tag
2. Accept a birthdate from the user and show the age in <p>
3. Accept a birthdate from the user and tell the day when it will come this year
4. PRACTICE all the function and lamda syntaxes

5-May-2023

1 . Show a textfield and a checkbox and also a show a label . When the checkbox is checked then textfield is READONLY . If checkbox is unchecked then we can modify the text in the textfield .

2. Accept a number from user and show 3 radio buttons
only one of them should be selected at a time
1st radio for square
2nd radio for cube
3rd radio for as it is
When the radio button is selected then corressponding value should be shown in a <p> tag .
3. Try out <iFrame> tag in html
4. Write an HTML that will Show links for all the htmls that you created upto now (<a>). Show one iFrame on the page that will render the html when the respective link is clicked

5. Observe the 5-May/ex1.html and 5-May/ex2.html for different usages of selectors . MAKE changes (sequence, given common properties)and play !!!

6. To the Currency Converter written yesterday apply external css
add different selectors of your choice . [refer to externalcssex.html discussed in class]
7. Write an HTML that arrays.html
Show a textfield - accept a value
Check if the value is present in the array --- display found or not found in a <p> tag
Show a button add-to-end } if this button is clicked then append in the array

Show a button insert-at-index , tf to accept index
On click insert the value at that index and show the final array in another <p> tag

Show a button remove tf to accept index
Remove that element and show final array in another <p>

4-May-2023

1. Try string functions - charAt , substring, concat, toUppercase, slice
2. Try == , ===
3. write a function to accept a string from user and show it in uppercase in a <p> tag on button click
 write a function to show the string in lowercase in a <p> tag on button click on lowercase-button
 write a function to show the string in titlecase in a <p> tag on button click on titlecase-button
4. -- write a function to accept 2 numbers from user and show their sum
 Do it for - * / % square of n1
5. currency_convertor.html
 Textfield , dropdown for FROM and TO
 Rupee , dollar, euro To = rupee dollar euro

 Convert-button = onclick convert the amount and show in paragraph
 Rupee 80 = 80 1 \$ (for rupee symbol search for unicode decimal code)
 Apply a border over the entire fields
 Apply bg color, color font for <p> tag with a internal border using internal stylesheet

2-May-2023

1. Try out the tags as discussed in class
2. Write a HTML file Resume.html
Use <h> tag for TITLE of the RESUME use underline
ADD these in a div tag , make the title bold and content normal
Name: ggkdf
DOB :gdfgdf
Qualification :fgdfg

Table tag and for Degree Details use suitable <h> tag, show border
Show your Degree Details in 3 columns - year of passing , degree name, grade

Use <h> tag Hobbies
Use to list the hobbies

Use <h> tag About Yourself
Use a <p> tag to write description

Add your photo

HW2 ---- Write and HTML Student Registration Form

Accept first name , last name in textfields
Accept date of birth with input date
Accept city - dropdown
Accept educational qual in checkboxes for SSC , HSC ,UG , Degree, PG
Accept Gender in radio button
Show two buttons , CLEAR and SAVE
Show a TEXT AREA for Student intro

3-May-2023

HW1 ---- try out all examples done in class

HW2 --- write a script to tell whether a number is divisible by 5

HW3 --- write a script to show all prime numbers between 2 to 200

HW4 --- use switch case on a string

If the string is + show sum of 2 nums
- , * , / , % = show respective results

HW5 --- write htmls one.html , two.html and three.html

In one.html show hyperlinks for two.html and three.html

In two.html and three.html show hyperlink "back" it should go to one.html

show 3 different images on each html

HW6 --- Create an html for login.html

Label : textfield username and password and two buttons login and clear

Add the textfields and buttons in a form

Action of the form = home.html (show a welcome message in h1

tag)

Login button is a submit button

Clear button is not a submit button

OBSERVE the query parameters and URLs when login button is clicked -
see that u navigate to home.html

OBSERVE that nothing happens when clear button is clicked

Add a "back" link in home.html to go back to login.html

HW 7 ----- Apply Inline CSS to the Resume.html done earlier , apply different
color, back-ground color

Font and border for different sections

HW 8 ---- Apply internal CSS to the registration form done earlier

Give border and background colors for different fields