HW

Tuesday, May 2, 2023 12:14 PM

20-May-23

1. For all the components that you have created , select a few parent components add then to Routes and use them on HOME page <Link>
2. Write a Parent component - show dropdown of all the productIds
   Show 2 links - Update , Delete
   User selects a product Id and If Update is clicked Show update component = show all values in textfields and on click of update button change the record in the array
   Give a back link it will go parent component

   User selects a product Id and clicks Delete
   Show Delete component ---
   show all the records in the array WITHOUT the selected productId
   Give a back link to parent component

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

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="/changeguestname" 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

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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 successfult submit go to welcome.html

3. Write an html that is accepting a date of joining give a range using html validation , make it compulsary
   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
   Distplay 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 let 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 prodectName, 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 properites 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 boder 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 texfield 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 in 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 uptil 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 Convertor 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 <ul> 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

Accpet 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

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3-May-2023

HW1 ---- try out all examples done in class
HW2 --- write a script to tell wether 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 uname 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