

# HW

Tuesday, May 2, 2023 12:14 PM

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="/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

10-May-23

1. Write an HTML that has `<body> <div> <div>`  
Use parent to set the css of the outer div [ use 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 and 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 lambda 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 corresponding 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 externalcsssex.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

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HW2 ---- Write an 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

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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, background 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

