SUEZ _CANNEL UNIVERSITY

FACULTY OF COMPUTER SCIENCE AND INFORMATION SYSTEM

Web programming

Programming without code

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1)Problem:

We have agrave problem with writing codes ,such that a lot of tags in html from this point we make aproject that make Programming more simple and easier for beginner ,special in Web programming .

Solution:

This project that use programming without code (drag and drop) ,you can drag any tag you want to use from button section and drop in code section .

2)Programming language we use :

- We used a total of Web languages to establish this location as (*Html5* , *CSS* , *Java script*..)
- <u>HTML</u> ::
  - We use it to create web page that use on it (form, div, textarea).
- <u>CSS</u> ::
  - o to make style of the site
- <u>JavaScript</u> ::

  To make function (allow_drop, drop, drag)

  We use array to store tags.

3) Documentation for project

3.1) Technical user documentation

3.2) End user documentation

3.1) Technical user documentation :

In this section we talk about how project work

And project life_cycle .

That help programmer to understand the code

and develop it easier.

3.2) **End user documentation :**

That help user to understand how the project work.

Let's start to explain life cycle for project

3.1.1) Array

3.1.2) Function allowDrop()

3.1.3) Function drag

3.1.4) Function drop

3.1.1)

```
var tags = {
    DOCTYPE : ' <!DOCTYPE html> ',
    html : ' <html> </html> ',
    title : ' <title> </title> ',
    head : ' <head> </head> ',
    body : ' <body> </body> ',
    UTF8 : '<meta charset="UTF-8">',
    p : '<p> </p>',
    h1 : '<h1> </h1>',
    h2 : '<h2> </h2>',
    h3 : '<h3> </h3>',
    h4 : '<h4> </h4>',
    h5 : '<h5> </h5>',
    h6 : '<h6> </h6>',
    img : '<img src="image.extensionL" alt="description" width=""  height="" align="" /
    a : '<a href="url"> </a>',
    mail : '<a href="mailto: text.com"> </a>',
    ul : '<ul style=""> </ul>',
    li : '<li> </li>',
    ol : '<ol type=""> </ol>',
    table : '<table border=""> </table>',
    caption : '<caption> </caption>',
    thead : '<thead> </thead>',
    tfoot : '<tfoot> </tfoot>',
    tbody : '<tbody> </tbody>',
    tr : '<tr> </tr>',
    td : '<td> </td>',
    form : ' <form method="" action=""> </form> ',
    text : ' <input type="text" name="" value="" size=""> ',
    password : ' <input type="password" name="" value="" size=""> ',
    button : ' <input type="button" name="" value="" size=""> ',
    checkbox : ' <input type="checbox" name="" value="" size=""> ',
```

We use that array to store each tag including tag name and it's attribute.

This easy to function drag to call the value of tag

3.1.2)

```
function allowDrop(ev) {
    ev.preventDefault();
}
```

By default html don't allow drop ,this function allow drop with built in function preventDefault();

3.1.3)

```
function drag(ev) {
    var data = ev.target.id;
    var tag = tags[data];
    ev.dataTransfer.setData("text",tag);
}
```

This function operate on drag section when I set

data and store in variable tag then use built in function dataTransfer.setData("text",tag);

that take value of tag .

simply this function drag button from drag section into code section

3.1.4)

```
function drop(ev) {
    ev.preventDefault();
    var data = ev.dataTransfer.getData("text");
    var txtarea = document.getElementById("div2");
    var scrollPos = txtarea.scrollTop;
    var strPos = 0;
    var br = ((txtarea.selectionStart || txtarea.selectionStart == '0') ?
        "ff" : (document.selection ? "ie" : false ) );
    if (br == "ie") {
        txtarea.focus();
        var range = document.selection.createRange();
        range.moveStart ('character', -txtarea.value.length);
        strPos = range.data.length;
    }
    else if (br == "ff") strPos = txtarea.selectionStart;

    var front = (txtarea.value).substring(0,strPos);
    var back = (txtarea.value).substring(strPos,txtarea.value.length);
    txtarea.value=front+data+back;
    strPos = strPos + data.length;
    if (br == "ie") {
        txtarea.focus();
        var range = document.selection.createRange();
        range.moveStart ('character', -txtarea.value.length);
        range.moveStart ('character', strPos);
        range.moveEnd ('character', 0);
        range.select();
    }
    else if (br == "ff") {
        txtarea.selectionStart = strPos;
        txtarea.selectionEnd = strPos;
        txtarea.focus();
    }
```

This function get data from function drag with variable data and built in function dataTransfer

.getData("text"); that get data which is tag then

We use document.getElementById("div2"); and

Save it in variable txtarea which the id for txtarea

Simply drop function work in code section ...

3.3)

```html
<form>
    <input type="button" value="DOCTYPE" id="DOCTYPE" draggable="true" ondragstart="drag(event)">
    <input type="button" value="html" id="html" draggable="true" ondragstart="drag(event)">
    <input type="button" value="title" id="title" draggable="true" ondragstart="drag(event)">
    <input type="button" value="head" id="head" draggable="true" ondragstart="drag(event)">
    <input type="button" value="body" id="body" draggable="true" ondragstart="drag(event)">
    <input type="button" value="UTF-8" id="UTF8" draggable="true" ondragstart="drag(event)">
    <input type="button" value="p" id="p" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h1" id="h1" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h2" id="h2" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h3" id="h3" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h4" id="h4" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h5" id="h5" draggable="true" ondragstart="drag(event)">
    <input type="button" value="h6" id="h6" draggable="true" ondragstart="drag(event)">
    <input type="button" value="img" id="img" draggable="true" ondragstart="drag(event)">
    <input type="button" value="link" id="a" draggable="true" ondragstart="drag(event)">
    <input type="button" value="mail" id="mail" draggable="true" ondragstart="drag(event)">
    <input type="button" value="ul" id="ul" draggable="true" ondragstart="drag(event)">
    <input type="button" value="li" id="li" draggable="true" ondragstart="drag(event)">
    <input type="button" value="ol" id="ol" draggable="true" ondragstart="drag(event)">
    <input type="button" value="table" id="table" draggable="true" ondragstart="drag(event)">
    <input type="button" value="caption" id="caption" draggable="true" ondragstart="drag(event)">
    <input type="button" value="table head" id="thead" draggable="true" ondragstart="drag(event)":
    <input type="button" value="table foot" id="tfoot" draggable="true" ondragstart="drag(event)":
    <input type="button" value="table body" id="tbody" draggable="true" ondragstart="drag(event)":
    <input type="button" value="insert row" id="tr" draggable="true" ondragstart="drag(event)">
    <input type="button" value="insert data" id="td" draggable="true" ondragstart="drag(event)">
    <input type="button" value="form" id="form" draggable="true" ondragstart="drag(event)">
    <input type="button" value="text feild" id="text" draggable="true" ondragstart="drag(event)">
    <input type="button" value="password feild" id="password" draggable="true" ondragstart="drag(e
    <input type="button" value="button" id="button" draggable="true" ondragstart="drag(event)">
    <input type="button" value="check box" id="checkbox" draggable="true" ondragstart="drag(event]
```

This form we make to entre on it the button that each button has a value ,

We use the input tag and some attribute suchas

Type ,value , draggable.

NAMES

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