

Internet and Web Programming
CSE3002
Fall Semester 2020-21

Lab Assignment 5

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Question:

Write a program to demonstrate the concept of JavaScript DOM. Design an e- newspaper using DOM with following feature:

- i. Add buttons to change the headlines, content and author with respect to the date.
- ii. Customize the advertisements page based on the requirement

Validate the form for empty field submissions.

Code:

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>E-Newspaper</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">
    <link rel="stylesheet" href="./style.css">
    <script src="https://code.jquery.com/jquery-1.12.4.js"></script>
    <script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>
    <script src="./main.js"></script>
  </head>
  <body>
    <h1 align="center">Times of India</h2>
    <hr>
    <br>
    <span>
      <div id="left">
        
```

```

        <br>
        <button id="change-left" onclick="changeLeft()">Change Ad</button>
    </div>

    <div id="news">
        <p>Date: <input type="text" id="datepicker"></p>
        <br>
        <h2 id="heading-1">Eight assembly seats vacant in Uttar Pradesh, EC
to decide on bypolls</h2>
        
        <p id="content-1">Uttar Pradesh may witness a mini-assembly
election of sorts in the coming months if the Election Commission (EC) decides to
hold bypolls to eight vacant seats in the state assembly along with the Bihar
elections. Five of these eight seats fell vacant after the death of sitting
members. "The Election Commission of India has to take a call about holding by-
polls to the eight assembly seats. As of now, we have no information about the
possible timing of the bypolls," said a senior officer. A bypoll to a vacant seat
in the state assembly is generally held within six months from the date of vacancy.
However, EC has not yet given any indication about holding these bypolls. "For
seats, where the six-month time period is complete, EC has given a certificate,
saying a decision about holding the bypoll there will be taken later," said the
officer.</p>

        <br>

        <h2 id="heading-2">WHO's global COVAX plan: All you need to know
about Covid-19 vaccine access plan</h2>
        
        <p id="content-2">The World Health Organization (WHO) on Monday
said some 172 countries are engaging with the COVAX facility designed to ensure
equitable access to Covid-19 vaccines, but more funding is needed and countries
need to make binding commitments. The WHO had earlier urged countries to join a
global pact aimed at ensuring less wealthy countries have access to Covid-19
vaccines, warning about the risks from so-called 'vaccine nationalism.' WHO
director general Tedros Adhanom Ghebreyesus has said initially, when there will be
limited supply of Covid-19 vaccines, it's important to provide the vaccine to those
at highest risk around the globe. He said this included health workers on the front
lines of the pandemic, who were "critical to saving lives and stabilising the
overall health system".</p>
    </div>

    <div id="right">
        
        <br>
        <button id="change-right" onclick="changeRight()">Change
Ad</button>
    </div>
</span>
</body>
</html>

```

style.css

```
#news{
    width: 1000px;
    margin: 0 auto;
    padding-left: 15%;
    padding-right: 20%;
    display: inline-block;
}

#left{
    display: inline-block;
}

#right{
    display: inline-block;
}

#change-left{
    background-color: brown;
    color: white;
    margin-left: 20%;
    font-size: medium;
}

#change-right{
    background-color: brown;
    color: white;
    margin-left: 20%;
    font-size: medium;
}
```

script.js

```
$( function() {
    $( "#datepicker" ).datepicker({
        onSelect : function(date){
            var day = date.substr(3,2);

            if(day == 24){
                document.getElementById('heading-1').innerHTML="69,239 Covid Cases  
In India In 24 hours, Over 30 Lakh Total Cases";
                document.getElementById('content-1').innerHTML="India recorded  
single-day jump of 69,239 coronavirus cases in the last 24 hours, taking the tally  
to 30,44,940 cases, the Union Health Ministry said this morning. About 22,80,566  
lakh people have recovered. 56,706 Covid-linked deaths have been registered so far;  
912 patients have died since yesterday, according to the official data. The  
recovery rate stood at 74.89 per cent this morning. India is behind Brazil and the  
US in the number of cases in the world.";
                document.getElementById('img-1').src = './news3.jpg';
            }
        }
    });
});
```

```

        document.getElementById('heading-2').innerHTML="Residents Moved Out
After Gurgaon Building Tilts Due To Heavy Rain";
        document.getElementById('content-2').innerHTML="The residents of a
four-storey house in Gurgaon have been moved out after the building tilted
following heavy rain. The building in Sector 46 has been vacated, the police told
news agency ANI. Gurgaon near Delhi, the Millennium City with multiple malls, high-
rises and offices of multinational companies, has been severely challenged in two
days of heavy downpour. The area where the building is located was severely flooded
after yesterday's downpour, according to the police. Haryana: Police vacated a
four-storey building in Gurugram's Sector-46 after it bent on one side, following
heavy downpour in the region.";
        document.getElementById('img-2').src = './news4.jpg';
    }else if(day == 25){
        document.getElementById('heading-1').innerHTML="Eight assembly
seats vacant in Uttar Pradesh, EC to decide on bypolls";
        document.getElementById('content-1').innerHTML="Uttar Pradesh may
witness a mini-assembly election of sorts in the coming months if the Election
Commission (EC) decides to hold bypolls to eight vacant seats in the state assembly
along with the Bihar elections. Five of these eight seats fell vacant after the
death of sitting members. "The Election Commission of India has to take a call
about holding by-polls to the eight assembly seats. As of now, we have no
information about the possible timing of the bypolls," said a senior officer. A
bypoll to a vacant seat in the state assembly is generally held within six months
from the date of vacancy. However, EC has not yet given any indication about
holding these bypolls. "For seats, where the six-month time period is complete, EC
has given a certificate, saying a decision about holding the bypoll there will be
taken later," said the officer.";
        document.getElementById('img-1').src = './news1.jpg';

        document.getElementById('heading-2').innerHTML="WHO's global COVAX
plan: All you need to know about Covid-19 vaccine access plan";
        document.getElementById('content-2').innerHTML="The World Health
Organization (WHO) on Monday said some 172 countries are engaging with the COVAX
facility designed to ensure equitable access to Covid-19 vaccines, but more funding
is needed and countries need to make binding commitments. The WHO had earlier urged
countries to join a global pact aimed at ensuring less wealthy countries have
access to Covid-19 vaccines, warning about the risks from so-called 'vaccine
nationalism.' WHO director general Tedros Adhanom Ghebreyesus has said initially,
when there will be limited supply of Covid-19 vaccines, it's important to provide
the vaccine to those at highest risk around the globe. He said this included health
workers on the front lines of the pandemic, who were "critical to saving lives and
stabilising the overall health system".";
        document.getElementById('img-2').src = './news2.jpg';
    }else{
        alert('Select a valid date');
    }
}
});
}
);

```

```
function changeLeft(){
    if(document.getElementById('ad-left').src.includes('ad1')){
        document.getElementById('ad-left').src = './ad2.gif'
    }else{
        document.getElementById('ad-left').src = './ad1.gif'
    }
}

function changeRight(){
    if(document.getElementById('ad-right').src.includes('ad3')){
        document.getElementById('ad-right').src = './ad4.gif'
    }else{
        document.getElementById('ad-right').src = './ad3.png'
    }
}
```

Output:

The screenshot displays the Times of India website interface. At the top, there's a navigation bar with various links and a search bar. Below the navigation bar, the main content area features a calendar for August 2020, a news article titled "Uttar Pradesh, EC to decide on bypolls", and another article titled "WHO's global COVAX plan: All you need to know about Covid-19 vaccine access plan".

Calendar for August 2020:

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Uttar Pradesh, EC to decide on bypolls

Uttar Pradesh may witness a mini assembly election of seats in the coming months if the Election Commission (EC) decides to hold bypolls to fill vacant seats in the state assembly along with the filter decisions. Five of these eight seats fell vacant after the death of sitting members. "The Election Commission of India has to take a call about holding by-polls to the state assembly seats. As of now, we have no information about the possible timing of the by-polls," said a senior officer. A bypoll to a vacant seat in the state assembly is generally held within six months from the date of vacancy. However, EC has not yet given any indication about holding these bypolls. "For seats, where the six-month time period is complete, EC has given a certificate, saying a decision about holding the bypoll there will be taken later," said the officer.

WHO's global COVAX plan: All you need to know about Covid-19 vaccine access plan

The World Health Organization (WHO) on Monday said some 172 countries are engaging with the COVAX facility designed to ensure equitable access to Covid-19 vaccines, but more funding is needed and countries need to make binding commitments. The WHO had earlier urged countries to join a global pact aimed at ensuring low-income countries have access to Covid-19 vaccines, warning about the risks from so-called "vaccine nationalism". WHO director general Tedros Adhanom Ghebreyesus has said initially, when there will be limited supply of Covid-19 vaccines, it's important to provide the vaccine to those at highest risk around the globe. He said this included health workers on the front lines of the pandemic, who were "critical to saving lives and establishing the overall health system".