**Experiment 6**

# **AIM:** Implement search functionality using Php and ajax

**THEORY:**

**PROGRAM:**

**LIVE SEARCH PHP PART**

<?php

$xmlDoc=new DOMDocument();

$xmlDoc->load("links.xml");

$x=$xmlDoc->getElementsByTagName('link');

//get the q parameter from URL

$q=$\_GET["q"];

//lookup all links from the xml file if length of q>0

if (strlen($q)>0) {

  $hint="";

  for($i=0; $i<($x->length); $i++) {

    $y=$x->item($i)->getElementsByTagName('title');

    $z=$x->item($i)->getElementsByTagName('url');

    if ($y->item(0)->nodeType==1) {

      //find a link matching the search text

      if (stristr($y->item(0)->childNodes->item(0)->nodeValue,$q)) {

        if ($hint=="") {

          $hint="<a href='" .

          $z->item(0)->childNodes->item(0)->nodeValue .

          "' target='\_blank'>" .

          $y->item(0)->childNodes->item(0)->nodeValue . "</a>";

        } else {

          $hint=$hint . "<br /><a href='" .

          $z->item(0)->childNodes->item(0)->nodeValue .

          "' target='\_blank'>" .

          $y->item(0)->childNodes->item(0)->nodeValue . "</a>";

        }

      }

    }

  }

}

// Set output to "no suggestion" if no hint was found

// or to the correct values

if ($hint=="") {

  $response="no suggestion";

} else {

  $response=$hint;

}

//output the response

echo $response;

?>

**LIVE SEARCH LINK LIST PART**

<pages>

    <link>

        <title>7 HABBITS OF HIGHLY EFFECTIVE PEOPLE</title>

        <url>index.php</url>

    </link>

    <link>

        <title>ZERO TO ONE</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>ALIBABA</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>ELON MUSK</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>HOW TO THINK LIKE STEVE JOBS</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>$100 STARTUP</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>CHANAKYA NEETI</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>RICH DAD POOR DAD</title>

        <url>index.php</url>undefined

    </link>undefined

    <link>

        <title>THINK AND GROW RICH</title>

        <url>index.php</url>undefined

    </link>undefined

</pages>

**LIVE SEARCH JAVASCRIPT PART PART**

  function showResult(str) {

    if (str.length==0) {

      document.getElementById("livesearch").innerHTML="";

      document.getElementById("livesearch").style.border="0px";

      return;

    }

    var xmlhttp=new XMLHttpRequest();

    xmlhttp.onreadystatechange=function() {

      if (this.readyState==4 && this.status==200) {

        document.getElementById("livesearch").innerHTML=this.responseText;

        document.getElementById("livesearch").style.border="1px solid #A5ACB2";

      }

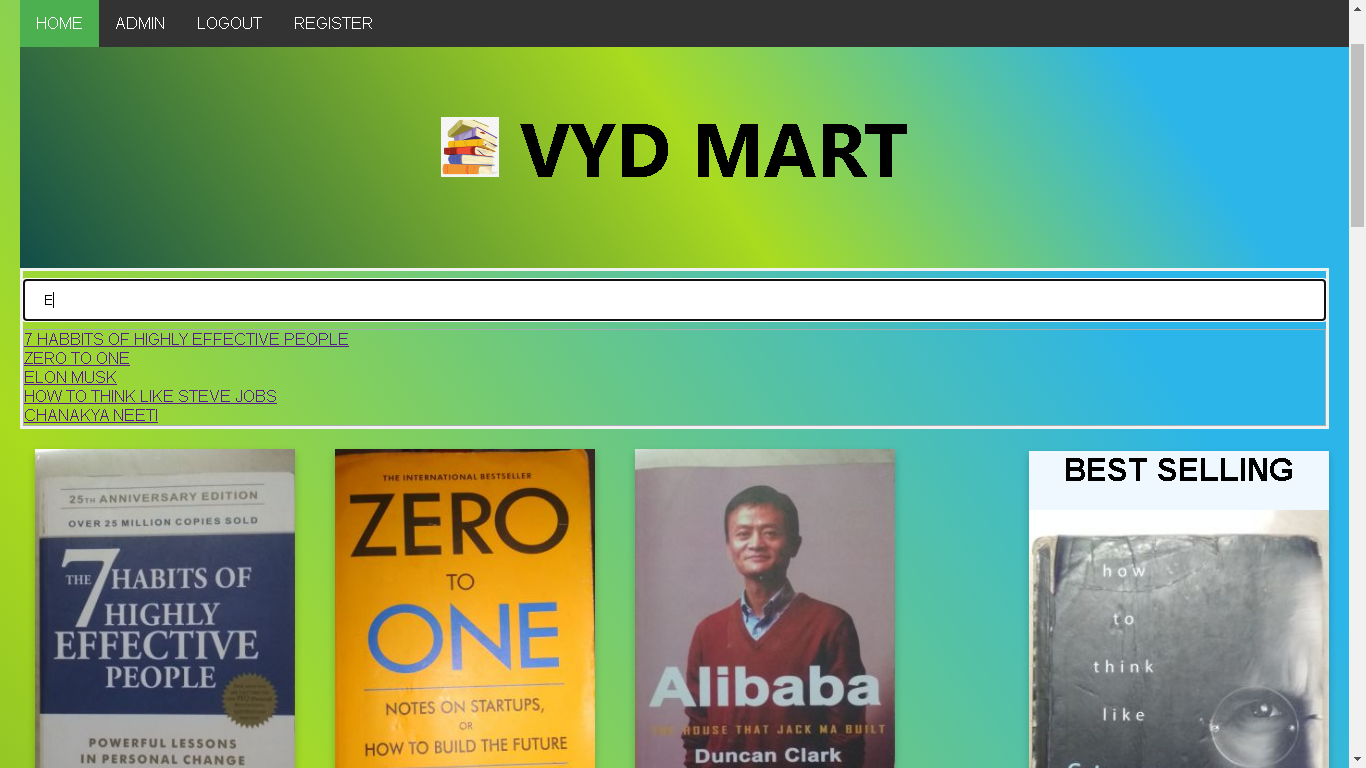
    }

    xmlhttp.open("GET","livesearch.php?q="+str,true);

    xmlhttp.send();

  }

**OUTPUT:**



**CONCLUSION**