

Indian Cloud Services

SEPM –Deployment Report

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Indian Cloud Services is an on demand cloud computing and file storage service. We aim to make it easier for the users to manage their files online by having a clean and simple interface. We focus on privacy and security so that our users do not have to worry about their data.

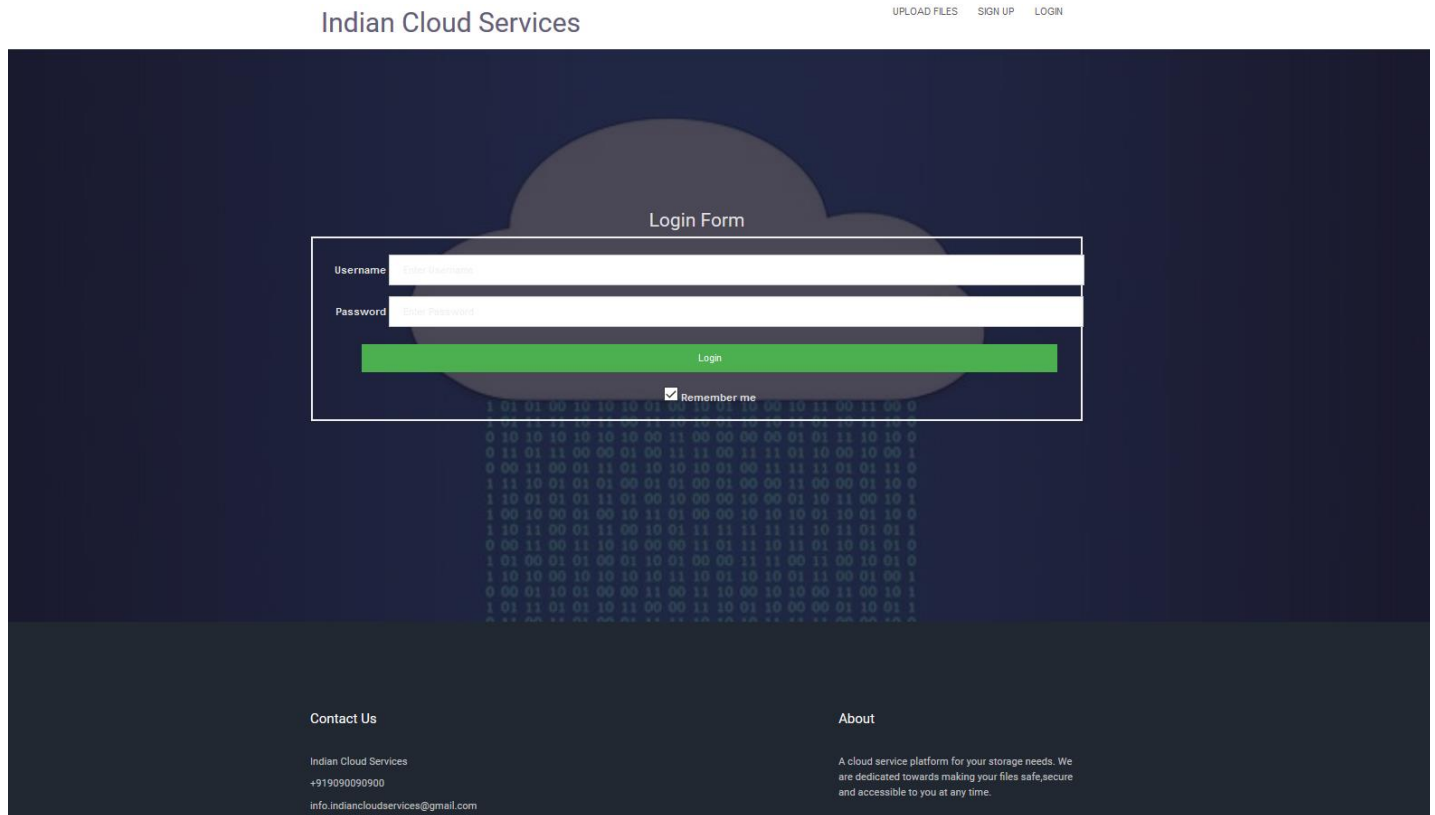
We have implemented our service by creating a website where a user can upload his file with a click of button. His files will then be available to him 24/7 online for him to work upon. A new user needs to sign up the first time. Thereafter he can just login and he will be good to go.

Our website was built using:

- HTML
- CSS
- Javascript
- Bootstrap
- JQuery
- PHP

Login Page

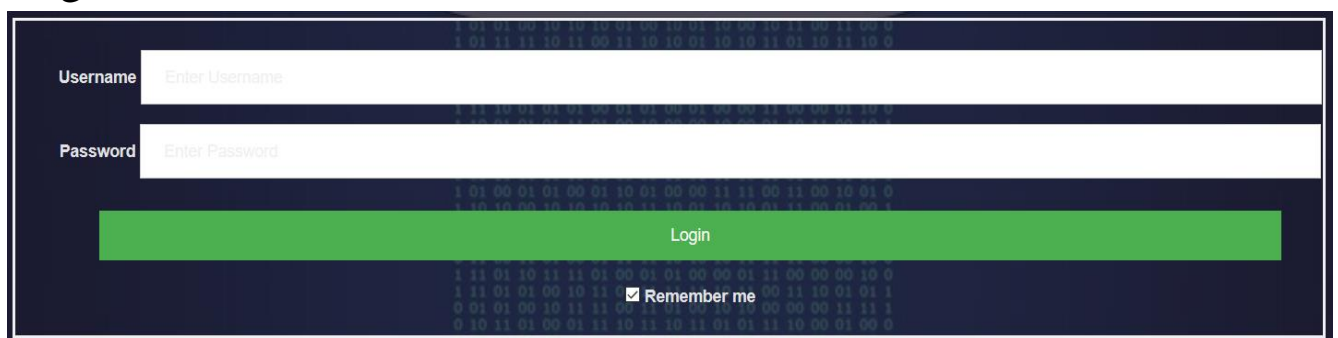
Login page is the first page that a user sees. If he is already registered to our service then he just has to put in his credentials to start using it. It leads to the homepage of our website.



The screenshot shows the login page for Indian Cloud Services. At the top, the text "Indian Cloud Services" is on the left, and "UPLOAD FILES SIGN UP LOGIN" is on the right. The main content area has a dark blue background with a faint cloud graphic and binary code. In the center is a "Login Form" with a white border. It contains two input fields: "Username" with placeholder text "Enter Username" and "Password" with placeholder text "Enter Password". Below these is a green "Login" button. Under the button is a checkbox labeled "Remember me". At the bottom of the page, there are two columns of text. The left column is titled "Contact Us" and contains "Indian Cloud Services", "+91909090900", and "info.indiancloudservices@gmail.com". The right column is titled "About" and contains "A cloud service platform for your storage needs. We are dedicated towards making your files safe, secure and accessible to you at any time."

Elements in the page and their uses are:

I. Login Form:



This is a close-up of the login form from the previous image. It shows the "Username" and "Password" input fields, the green "Login" button, and the "Remember me" checkbox. The form is set against a dark blue background with binary code.

- A registered user enters his user name and password in this space.
- The login button sends the credentials for verification and subsequently leads the user to homepage.
- Remember me checkbox- It remembers the credentials of the user so that they do not have to login multiple times.

Code Snippet:

```
<!-- Slider Start -->  
<section class="slider">  
  <div class="container">  
    <div class="row">  
      <div class="col-md-12">  
        <div class="block">  
          <!DOCTYPE html>  
  
<html>  
<head>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<style>  
body {font-family: Arial, Helvetica, sans-serif;}  
form {border: 3px solid #f1f1f1;}  
input[type=text], input[type=password] {  
  width: 90%;  
  padding: 2px 20px;  
  margin: 8px 0;  
  display: inline-block;  
  border: 1px solid #ccc;  
  box-sizing: border-box;  
}  
button {  
  background-color: #4CAF50;  
  color: white;  
  padding: 10px 20px;  
  
  margin: 18px 0;  
  border: none;  
  cursor: pointer;  
  width: 90%;  
}
```

```
<h2>Login Form</h2>

<form>

  <div class="container">
    <label for="uname"><b>Username</b></label>
    <input type="text" placeholder="Enter Username" name="uname" required>

    <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" required>

    <button type="submit">Login</button>
    <label>
      <input type="checkbox" checked="checked" name="remember"> Remember me
    </label>
  </div>
</form>
```

II. Navigation bar:



- It takes the user to Upload Files page if he is logged in.
- It takes the user to Sign Up page if he is not registered to our service.
- It takes the user to Login Page if he is not logged in.

Code Snippet:

```
<!-- Header Start -->
<header class="navigation">
  <div class="container">
    <div class="row">
      <div class="col-md-12">
        <!-- header Nav Start -->
        <nav class="navbar">
          <div class="container-fluid">
            <!-- Brand and toggle get grouped for better mobile display -->
            <div class="navbar-header">
              <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
              <span class="sr-only">Toggle navigation</span>
              <span class="icon-bar"></span>
              <span class="icon-bar"></span>
              <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.html">
              <h1>Indian Cloud Services</h1>
            </a>
          </div>
          <!-- Collect the nav links, forms, and other content for toggling -->
          <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-
1" aria-expanded="false" style="height: 1px;">
            <ul class="nav navbar-nav navbar-right">
              <li><a href="index.html">Upload Files</a></li>

              <li><a href="signup.html">Sign Up</a></li>
              <li><a href="login.html">Login</a></li>
            </ul>
          </div><!-- /.navbar-collapse -->
        </div><!-- /.container-fluid -->
      </nav>
    </div>
  </div>
</div>
</header><!-- header close -->
```

III. Footer:



- It provides basic information to the user about our company.

Code snippets:

```
<footer class="ftco-footer ftco-bg-dark ftco-section">
  <div class="container1">
    <div class="row mb-5" >
      <div class="col-md" style="float: right;">
        <div class="ftco-footer-widget mb-4">
          <h2 class="ftco-heading-2">About</h2>
          <p>A cloud service platform for your storage needs.
            We are dedicated towards making your files safe, secure and accessible to you
            at any time.</p>
        </div>
      </div>
    </div>

    <div class="container2">
      <div class="row mb-5">
        <div class="col-md" style="float: left;">
          <div class="ftco-footer-widget mb-4">
            <h2 class="ftco-heading-2">Contact Us</h2>

            <p>Indian Cloud Services</p>
            <p>+919090090900</p>
            <p>info.indiancloudservices@gmail.com</p>
          </div>
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-md-12 text-center">
      </div>
    </div>
  </div>
</footer>
```

Sign Up Page

The sign up page is for the new users to register themselves. They need to provide the required information.

Indian Cloud Services

UPLOAD FILES SIGN UP LOGIN

First Name

Your name..

Last Name

Your last name..

Email:

Email

Password :

Password

Confirm password:

Confirm Password

UserID:

userid

Submit

The page has the navigation bar and footer just like the login page.

The other elements are:

I. Registration form:

First Name

Your name..

Last Name

Your last name..

Email:

Email

Password :

Password

Confirm password:

Confirm Password

UserID:

userid

Submit

- It contains space for user to enter First Name, Last Name, Email, Password, Confirm Password, User-ID.
- A submit button to send the information to the server.

Code Snippet:

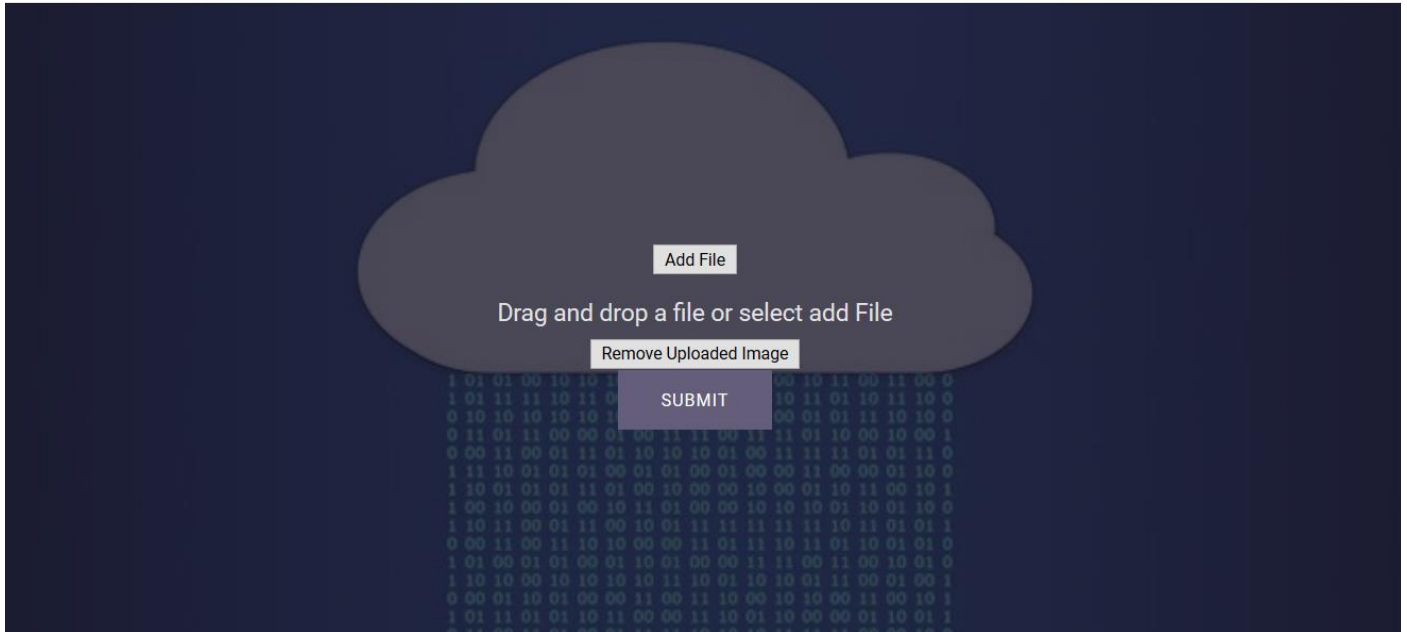
```
<form action="/login.html" name='registration'>
<div class="row">
<div class="col-25">
<label for="fname" style="float:left; margin-right:126px; margin-
bottom:30px">First Name</label>
</div>
<div class="col-75">
<input type="text" id="fname" name="firstname" placeholder="Your name.." style="float:left
;" required>
</div>
</div>
<div class="row">
<div class="col-25">
<label for="lname" style="float:left; margin-right:126px; margin-
bottom:30px">Last Name</label>
</div>
<div class="col-75">
<input type="text" id="lname" name="lastname" placeholder="Your last name.." style="float:
left;" required>
</div>
</div>
<div class="row">
<div class="col-25">
<label for="email" style="float:left; margin-right:153px; margin-
bottom:30px">Email:</label>
</div>
<div class="col-75">
<input type="text" id="email" name="email" size="50" onkeyup='emailVal();' placeholder="Em
ail" style="float:left;" required>
<span id='message1'></span>
</div>
</div>
<div class="row">
<div class="col-25">
<label style="float:left; margin-right:123px; margin-bottom:30px">Password :</label>
</div>
<div class="col-75">
<input name="password" id="password" type="password" onkeyup='check();' style="float:left;"
required placeholder="Password"/>
</div>
</div>
<div class="row">
<div class="col-25">
<label style="float:left; margin-right:70px; margin-bottom:30px">Confirm password:</label>
</div>
<div class="col-75">
<input type="password" name="confirm_password" id="confirm_password" onkeyup='check();' s
tyle="float:left;" placeholder="Confirm Password"/>
</div>
</div>
```

Upload Files Page

This page is used to upload files by the user. He can select the file which is to be uploaded and then click on the “Upload” button.

Indian Cloud Services

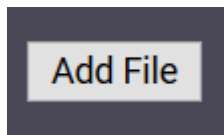
UPLOAD FILES SIGN UP LOGIN



Elements:

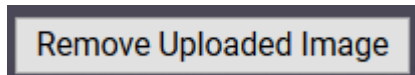
It has the navigation bar and the footer just like the other pages.

1. Add File:



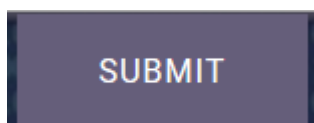
It opens a pop up window which helps to select a file to upload.

2. Remove Uploaded Image:



The button removes the uploaded image.

3. Submit button:



It confirms and uploads the file to the server.

Code Snippet:

```
<!-- Slider Start -->
<section class="slider">

  <div class="container">
    <div class="row">
      <div class="col-md-12">
        <div class="block">
          <script class="jsbin" src="https://ajax.googleapis.com/ajax/libs/jquery/1/jquery.min.js"></script>
          <a href="index.css"></a>
          <a href="index.js"></a>
        </div>
        <div class="file-upload">
          <button class="file-upload-btn" type="button" onclick="$('.file-upload-input').trigger( 'click' )" style="color:black;">Add File</button>

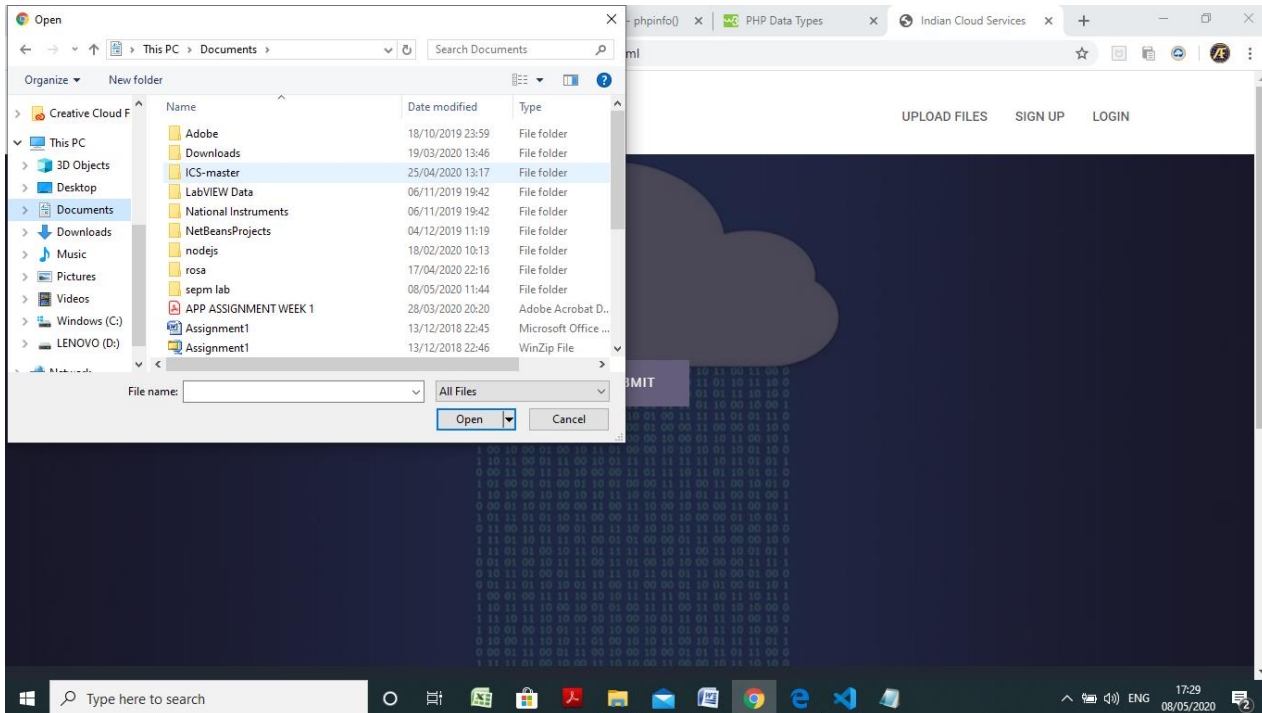
          <div class="image-upload-wrap">
            <input class="file-upload-input" type="file" onchange="readURL(this);" accept="image/*" />
            <div class="drag-text">
              <h3>Drag and drop a file or select add File</h3>
            </div>
          </div>
          <div class="file-upload-content">

            <div class="image-title-wrap">
              <button type="button" onclick="removeUpload()" class="remove-image" style="color:black;">Remove <span class="image-title" style="color:black;">Uploaded Image</span></button>
            </div>
          </div>
        </div>
      </div>
    </div>
    <!--
    - <h1 class="animated fadeInUp">A Digital Marketing <br>  &#38; Design Agency</h1>
      <p class="animated fadeInUp">We love the Web and the work we do.We work closely with our clients to deliver </br> the best possible solutions for their needs</p>
    -->
    <a href="index.html" target="_blank" class="btn btn-main animated fadeInUp" >Submit</a>
  </div>
</div>
</div>
</div>
</div>
</section>
```

Working- Backend Code

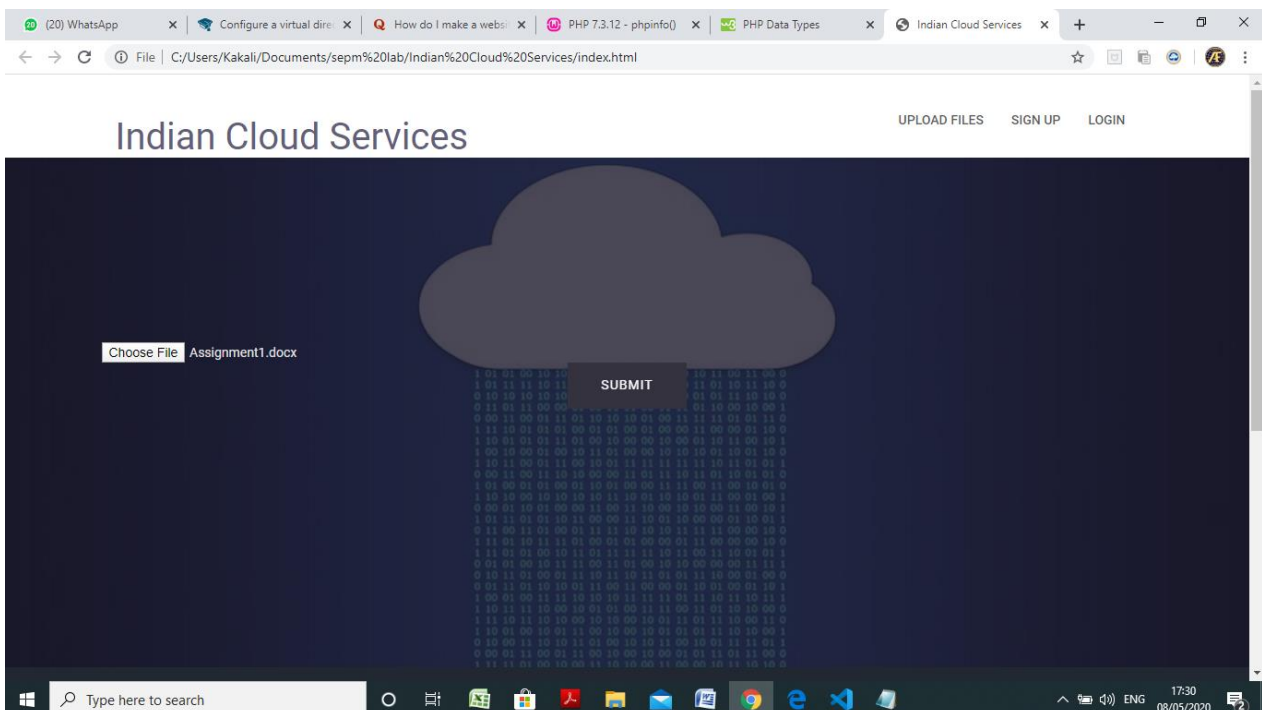
The backend of the site which handles the upload of files was coded using PHP. The idea is to save the files in the company server. To demonstrate this functionality we save the files locally in the root folder.

1. Once logged in, we can click on the “Add files”.



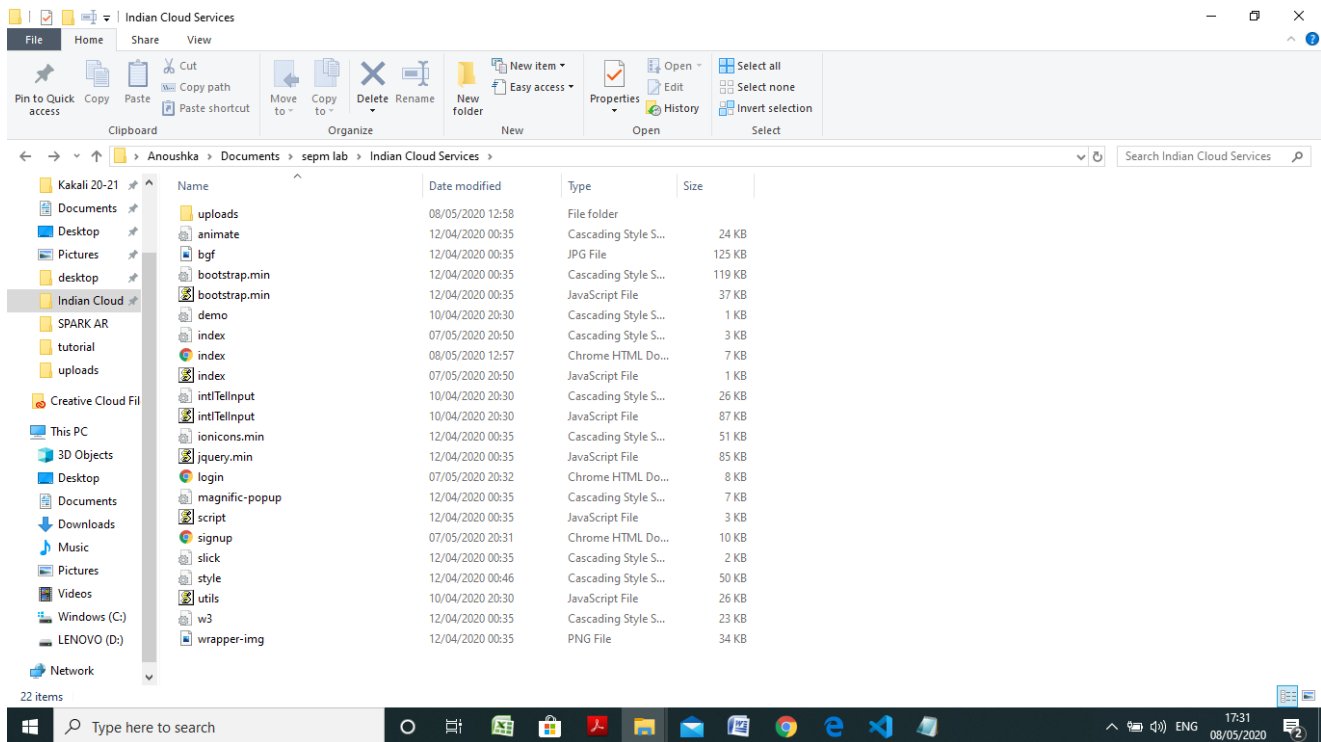
[It opens a pop up window where we can browse to the folder that contains the file.]

2. We select the required file and click on “Open”

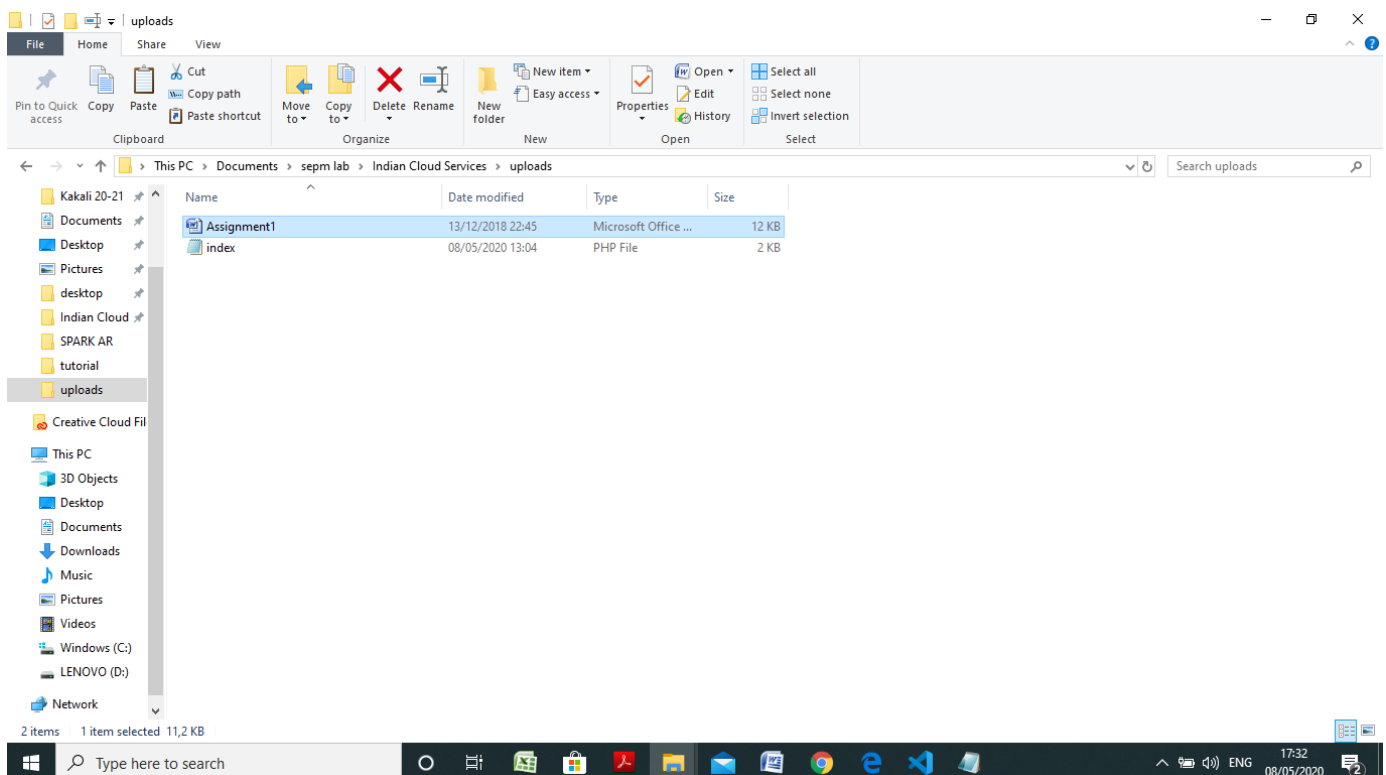


[We can see the name of the file.]

3. After clicking on submit, the file gets submitted into the “Uploads” folder of the website.
4. The “Uploads” folder is in the Indian Cloud Services root folder which contains all other system files.



5. If we navigate to the uploads folder, we will find the uploaded files there.



Code snippet:

```
1 <?php
2 $uploadDirectory = "/uploads/";
3
4 $errors = []; // Store errors here
5
6 $fileExtensionsAllowed = ['jpeg','jpg','png']; // These will be the only file extensions allowed
7
8 $fileName = $_FILES['the_file']['name'];
9 $fileSize = $_FILES['the_file']['size'];
10 $fileTmpName = $_FILES['the_file']['tmp_name'];
11 $fileType = $_FILES['the_file']['type'];
12 $fileExtension = strtolower(end(explode('.', $fileName)));
13
14 $uploadPath = $currentDirectory . $uploadDirectory . basename($fileName);
15
16 if (isset($_POST['submit'])) {
17
18     if (! in_array($fileExtension,$fileExtensionsAllowed)) {
19         $errors[] = "This file extension is not allowed. Please upload a JPEG or PNG file";
20     }
21
22     if ($fileSize > 4000000) {
23         $errors[] = "File exceeds maximum size (4MB)";
24     }
25
26     if (empty($errors)) {
27         $didUpload = move_uploaded_file($fileTmpName, $uploadPath);
28
29         if ($didUpload) {
30             // Success message
31         }
32     }
33 }
```