

LOGIN FORM AUTHENTICATION

A MINI PROJECT REPORT

SUBMITTED BY

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ABSTRACT

Login forms are used in almost every website and Application. A login form utilizes the credentials of a user, in order to authenticate their access.

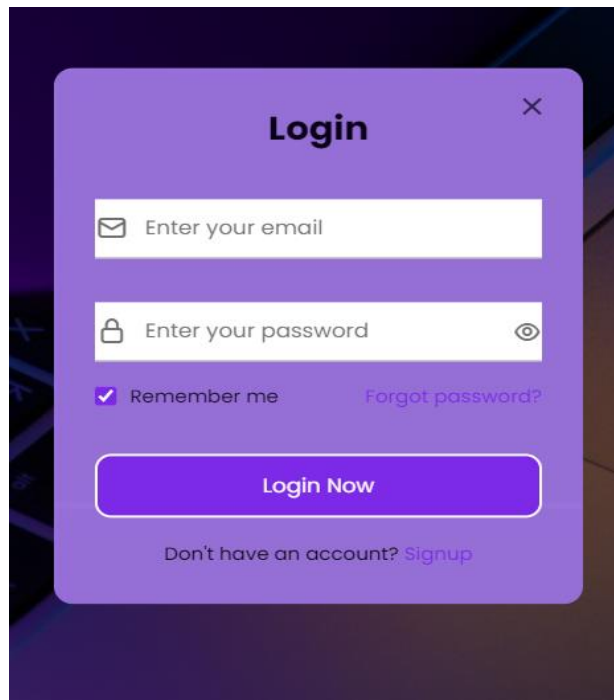
It generally consists of the typical username or email and password. But more fields can be added to improve the site's security. These can be in the form of a passcode, PIN number, or a secret phrase. So indeed that a login form is an important aspect of your site to prevent unauthorized access. A beautiful login page can also attract a lot of visitors as well.

Login Form has the following fields:

- Email: This input field is used to take the email as input from the user.
- Password: This input field is used to take the password as input from the user.
- Show Password: This checkbox field is used to display or hide the password to the user. By default, it hides the password.
- Sign-in button: This button is used to authenticate and give access to the verified user.
- Forget Username/password?: This link allows the user to change their username or password in case he/she forgets.
- Signup link: This link takes the user to the signup page in case they want to create a new account.

INTRODUCTION

TITLE – LOGIN FORM AUTHENTICATION



Login authentication

is a vital process, widely followed by organizations to keep their servers safe by allowing access only to authenticated users. Every website or application demands users to complete the login authentication process to cement their credentials for security and to improve user experience. In this project users enter their email ID/username and password to log in to the site.

PROBLEM STATEMENT

Every website or application demands users to complete the login authentication process to cement their credentials for security and to improve user experience. Authentication is the process of determining whether someone or something is, in fact, who or what it says it is. It provides access control for systems by checking to see if a user's credentials match the credentials in a database of authorized users or in a data authentication server. In doing this, authentication assures secure systems, secure processes and enterprise information security.

TECHNICAL DETAILS

- The basic structure of website is designed using HTML.
- The graphical and user experience is implemented using CSS.
- The backend for the project is managed with the help of JavaScript.

KEY FEATURES

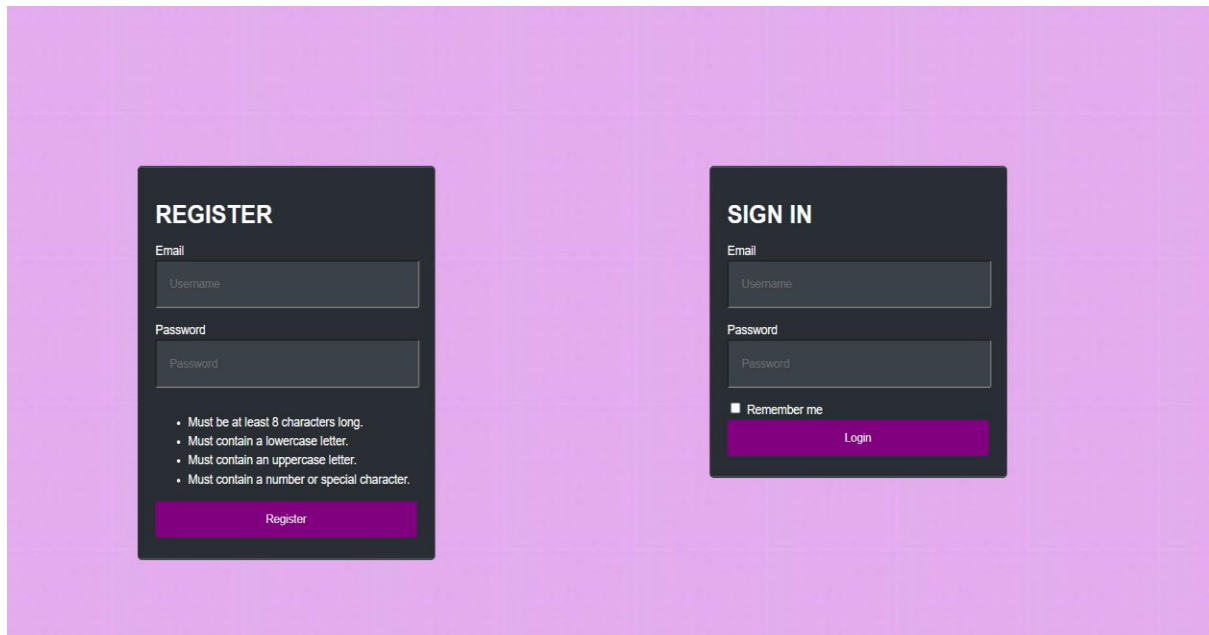
This slide should include Key features needed to solve the problem.

- I. **Email Login** - This option enables user to login via their email address.
- II. **Login Password** - User must provide password information to be collected locally on the server system. If the provided credentials match, the user is successfully authenticated.
- III. **Forgot Password** – It allows users who have forgotten their password to unlock, retrieve, or reset
- IV. it, usually by answering account security questions or sending them an e-mail.
- V. **Sign Up** - It will create a new account using an e-mail address or a username and password if the user is not a member yet.

ADVANTAGES

- It will allow the user to login on the website and application.
- The website further identifies the users with their username and password.
- Login Page takes user input and passes the data to server-side program. The authentication is done by server-side program and authentication results is displayed to user on the website site login form.
- If user is authenticated they are forwarded to the secure section of the website.

PROJECT HIGHLIGHTS



IMAGES OF CODE:

```
JS script.js  project.html X  # style.css
<> project.html > html > body > script
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8      <link rel="stylesheet" href="style.css">
9  </head>
10 <body>
11     <div class="inline">
12         <div class="login">
13             <form name='form-login'>
14                 <h1>REGISTER</h1>
15                 <label for="name">Email</label>
16                 <input type="email" id="name" placeholder="Username" required>
17                 <label for="pw">Password</label>
18                 <input type="password"
19                     id= "pw"
20                     placeholder="Password" required>
21                 <ul class="helper-text">
22                     <li class="length">Must be at least 8 characters long.</li>
23                     <li class="lowercase">Must contain a lowercase letter.</li>
24                     <li class="uppercase">Must contain an uppercase letter.</li>
25                     <li class="special">Must contain a number or special character.</li>
26                 </ul>
27                 <input id="rgstr_btn" type="submit" value="Register" onclick="store()">
28             </form>
29         </div>
30     </div>
31 </body>
32 </html>
33
34
```

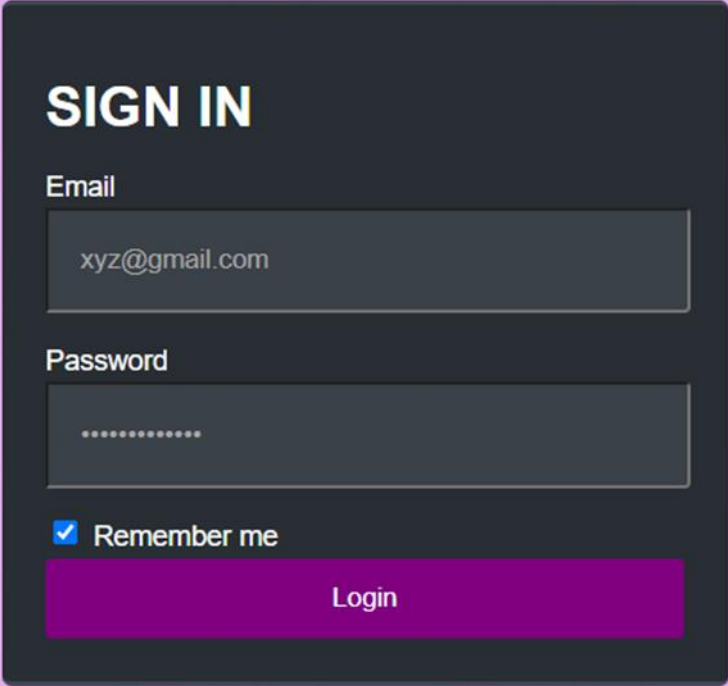
TO ADD BACKGROUND

```
# style.css > % login form
1 @charset "utf-8";
2 @import url(http://weloveiconfonts.com/api/?family=fontawesome);
3 [class*="fontawesome-"]:before {
4   font-family: 'FontAwesome', sans-serif;
5 }
6 body {
7   background: white;
8   color: white;
9   font: 87.5%/1.5em 'Open Sans', sans-serif;
10  margin: 0;
11  background-image: url(https://external-content.duckduckgo.com/iu/?u=https%3A%2F%2Ftse1.mm.bing.net%2Fth%3Fi
12  background-attachment: fixed;
13 }
14 p {
15   line-height: 1.5em;
16 }
17 after { clear: both; }
18 .login {
19   margin: 50px auto;
20   width: 320px;
21   padding: 190px;
22 }
23 .inline{
24   display: inline-flex;
25 }
26 .login form {
27   margin: auto;
28   padding: 22px 22px 22px 22px;
29   width: 100%;
30   border-radius: 5px;
31   background: #282e33;
32   border-top: 3px solid #434a52;
33   border-bottom: 3px solid #434a52;
34 }
```

```
.login form span {
  line-height: 1.5em;
}
after { clear: both; }
.login {
  margin: 50px auto;
  width: 320px;
  padding: 190px;
}
.inline{
  display: inline-flex;
}
.login form {
  margin: auto;
  padding: 22px 22px 22px 22px;
  width: 100%;
  border-radius: 5px;
  background: #282e33;
  border-top: 3px solid #434a52;
  border-bottom: 3px solid #434a52;
}
.login form span {
  background-color: #363b41;
  border-radius: 3px 0px 0px 3px;
  border-right: 3px solid #434a52;
  color: #606468;
  display: block;
  float: left;
  line-height: 50px;
  text-align: center;
  width: 50px;
  height: 50px;
}
.login form input[type="email"] {
  background-color: #3b4148;
  border-radius: 0px 3px 3px 0px;
```

```
§ .login form input[type="email"]
| height: 50px;
| }
| .login form input[type="email"] {
| background-color: #3b4148;
| border-radius: 0px 3px 3px 0px;
| color: #a9a9a9;
| margin-bottom: 1em;
| padding: 0 16px;
| width: 90%;
| height: 50px;
| }
|
| .login form input[type="password"] {
| background-color: #3b4148;
| border-radius: 0px 3px 3px 0px;
| color: #a9a9a9;
| margin-bottom: 1em;
| padding: 0 16px;
| width: 90%;
| height: 50px;
| }
|
| .login form input[type="submit"] {
| background: purple;
| border: 0;
| width: 100%;
| height: 40px;
| border-radius: 3px;
| color: white;
| cursor: pointer;
| transition: background 0.3s ease-in-out;
| }
| #login form input[type="submit"]:hover {
| background: #16aa56;
| }
| }
```

IMAGES OF WEBSITE



A dark-themed sign-in form with a purple gradient background. The form is titled "SIGN IN" in bold white text. It contains two input fields: "Email" with the placeholder "xyz@gmail.com" and "Password" with masked characters. Below the password field is a checkbox labeled "Remember me" which is checked. At the bottom is a purple "Login" button.

SIGN IN

Email

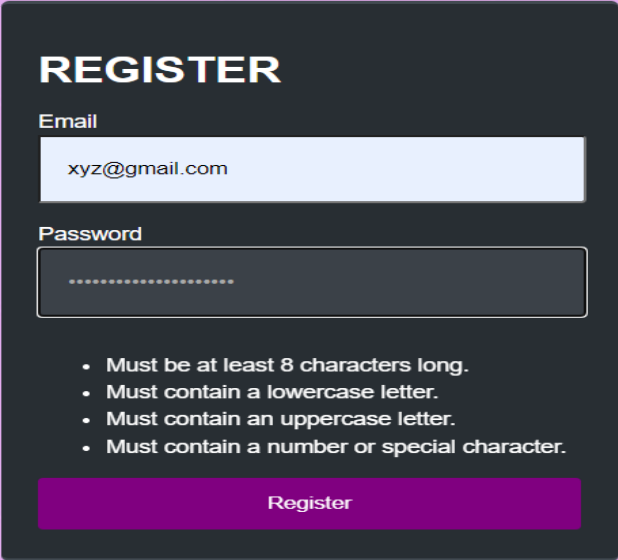
xyz@gmail.com

Password

.....

☒ Remember me

Login



A dark-themed register form with a purple gradient background. The form is titled "REGISTER" in bold white text. It contains two input fields: "Email" with the placeholder "xyz@gmail.com" and "Password" with masked characters. Below the password field is a list of four requirements for the password. At the bottom is a purple "Register" button.

REGISTER

Email

xyz@gmail.com

Password

.....

- Must be at least 8 characters long.
- Must contain a lowercase letter.
- Must contain an uppercase letter.
- Must contain a number or special character.

Register

CONCLUSION

It is key to facilitate the process of accessing a user to your information system, and at the same time it is important to collect as much information as possible from the user (without penalizing the experience) as this data helps us to personalize actions in the future making them much more effective. For this reason the login form is a clear trend in the avant-garde web as it solves this problem by improving the user experience, and also because it provides more information to enrich the activity of our users.

REFERENCES/LINKS USED

- <https://images.unsplash.com/photo-1564369790710-671d2a07d5da?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxleHBsb3JlWZlZW8MTR8fHxlbmwwfHx8fA%3D%3D&w=1000&q=80>
- <https://pixabay.com/photos/sunset-tree-water-silhouette-1373171/>
- <https://external-content.duckduckgo.com/iu/?u=https%3A%2F%2Ftse1.mm.bing.net%2Fth%3Fid%3DOIP.70UUpyte0MxKQbzrrgGjPwHaEo%26pid%3DApi&f=1&ipt=613883078f0d167704a8a8493dea78a383dc66619d213c8f0a1e02b7d6ea6e60&ipo=images>