**NAAN MUDHALVAN – IBM PROJECT**

**COLLEGE NAME : JEPPIAAR ENGINEERING COLLEGE**

**COLLEGE CODE : 3108**

**DOMAIN : CLOUD APPLICATION DEVELOPMENT**

**PROJECT : 10.MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING**

**TEAM** **MEMBERS** :

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**PHASE 3 : DEVELOPMENT PART 1**

**INTRODUCTION :**

In this project, you will begin building your project using IBM cloud

Video streaming . Perform different functions as per project requirement .Define

the platform features and design an intuitive user interface.Build a user registration

and authentication mechanisms to ensure secure access to the platform.

**OBJECTIVES :**

The main objective is to create a virtual cinema platform using IBM

Cloud video streaming.This platform allow users to upload and store their favourite

Movies and videos for on-demand streaming. We aim to define the implementation

Of user registration and authentication mechanisms, to ensure and secure cinematic

experience for our users.

**USER REGISTRATION AND AUTHENTICATION MECHANISMS :**

This involve the implementation of robust system that allows users to create

an accounts securely , customize their experience and ensure data privacy . This involves

multi-factor authentication with industry standards to secure access to our virtual cinema

platform and it also contains a forget password option and it also includes authentication

mechanisms. We have created the platform using html .

**Code for user registration**

<!DOCTYPE html>

<html>

<head>

<title>User Login</title>

</head>

<body>

<h2>Login</h2>

<form action="login.php" method="post">

<label for="username">Username:</label>

<input type="text" id="username" name="username" required><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br><br>

<input type="submit" value="Login">

</form>

</body>

</html>

**Code for user authentication mechanisms**

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$username = $\_POST["username"];

$email = $\_POST["email"];

$password = $\_POST["password"];

$confirm\_password = $\_POST["confirm\_password"];

// Validate input (e.g., check if passwords match, check for existing users, etc.)

// Hash the password (use a strong hashing function)

$hashed\_password = password\_hash($password, PASSWORD\_BCRYPT);

// Store the user data in your database (e.g., MySQL, PostgreSQL)

// Remember to establish a database connection and insert the data securely.

// Redirect the user to a login page or home page

}

?>

**USER INTERFACE :**

User interface for a media streaming virtual cinema platform involves designing

Websites that allows user to browse and watch movies. Our design is to focus on creating

Aesthetically pleasing and user-friendly interface ensuring that user can navigate and discover

content.

<!DOCTYPE html>

<html>

<head>

<title>Virtual Cinema - Movie Library</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<header>

<h1>Welcome to Virtual Cinema</h1>

<nav>

<ul>

<li><a href="/">Home</a></li>

<li><a href="/movies">Movies</a></li>

<li><a href="/tv-shows">TV Shows</a></li>

<li><a href="/login">Log In</a></li>

</ul>

</nav>

</header>

<main>

<section class="movie-list">

<div class="movie-card">

<img src="movie1.jpg" alt="Movie 1">

<h2>Movie Title 1</h2>

<p>Description of the movie.</p>

<a href="/watch/movie1">Watch Now</a>

</div>

<!-- Repeat movie cards for other movies -->

</section>

</main>

<footer>

<p>&copy; 2023 Virtual Cinema Platform</p>

</footer>

</body>

</html>

**CONCLUSION :**

This Phase 3 : Development part1 plays an important role in creating our virtual cinema

Platform. It defines the implementation of user registration and authentication mechanisms, to

ensure and secure cinematic experience for our users. In conclusion , creating a virtual cinema

platform using IBM cloud video streaming opens Up new opportunities for bringing people

together through shared cinematic experiences.