SAGE UNIVERSITY

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Academic Session- Jan-June- 2025

A report on
"Amazon Prime Clone"

Submitted in the partial of the requirement for the degree of the Bachelor of Computer Application

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1. <u>Abstract</u>

This project is a simplified clone of the Amazon Prime Video platform, developed using HTML, CSS, and JavaScript. It includes a Sign-Up page, Sign-In page, and a Home page that redirects users to the official Amazon website. The goal is to simulate the basic structure and flow of a streaming service using front-end technologies.

2. <u>Introduction</u>

With the increasing demand for video streaming platforms, creating a clone of Amazon Prime Video helps in understanding the structure, design, and basic functionality of such platforms. This project lies in the web development domain and focuses on front-end implementation.

2.1   Need for the Project

The project serves as a learning tool for beginners in web development, offering practical experience in building a user interface similar to a real-world streaming application.

2.2   Objectives

To replicate the user interface of Amazon Prime Video using front-end technologies and understand user navigation flow.

2.3   Domain Description

This project belongs to the web development and entertainment domain, simulating a basic streaming platform.

3. <u>Technology Used / Tools Used / Programming Languages Used</u>

3.1 HTML
Used to structure the content of the web pages.

3.2 CSS
Used for styling and layout design of the pages.

3.3 JavaScript
Adds interactivity and page logic, like redirecting to the Amazon site.

3.4 Tools
Visual Studio Code, GitHub (for resources and collaboration).

4. Algorithm or Flow Chart

4.1 User Flow
User navigates: Sign-Up → Sign-In → Home → Redirect to Amazon.

4.2 Navigation Logic
JavaScript handles navigation and form validation.

5. Code

5.1 Sign-Up and sign-in Page Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Signin form</title>
    <link rel="stylesheet" href="signin.css">
</head>
<body>
    <div class="main">
        <div class="image">
            <center><img src="./img/logo 2.png" alt="logo" ></center>
        </div>
        <div class="box">
            <h1>Sign in</h1>
            <label for="email/number">Email or mobile phone number</label>
            <input type="text" id="Email" name="Email">
            <br>
            <label for="password">password  <span>
                                          
                <a href="" class="id">Forgot your password?</a>
            </span>
            </label>
            <input type="password" id="password" name="password">
            <br>
            <button>Sign in</button>

            <p>By continuing, you agree to the Amazon <span><a
href="https://www.primevideo.com/help/ref=av_auth_te?nodeId=202064890">Conditions of
Use and Privacy Notice.</a></span></p>
            <p> &#9744;   Keep me signed in. Details  &#9662; </p>
             <div class="breck">
                <center><p>New to amazon?</p></center>
```

```
        </div>

        <div class="Btn">
        <a
href="https://www.amazon.in/ap/register?showRememberMe=true&openid.pape.max_auth_ag
e=0&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select
&accountStatusPolicy=P1&siteState=262-0788730-
0988518&language=en_US&pageId=amzn_prime_video_ww&mobileBrowserWeblabTreatm
ent=C&openid.return_to=https%3A%2F%2Feu.primevideo.com%2Fauth%2Freturn%2Fref%
3Dav_auth_ap%3F_t%3DsgytyrgoDeS8GODCmX6jY43JF7MR0KHJmMIzD7N4dNOJPAA
AAAQAAAABjxP_tcmF3AAAAAPgWC9WfHH8iB-
olH_E9xQ%26location%3D%2F%3Fgclid%253DCjwKCAiA5Y6eBhAbEiwA_2ZWIUzJ1rV
j8vX5E1O6n61QhUdB088bvhxeCHReAj6SHJSaJBheJrF0aRoCZ-
gQAvD_BwE%2526ref_%253Datv_auth_pre%2526mrntrk%253Dpcrid_610141119780_slid_
_pgrid_84577172368_pgeo_1007740_x__adext__ptid_kwd-
821391705347&prevRID=5HXYE6W8M7CZP2FR4WRY&openid.assoc_handle=amzn_prim
e_video_sso_in&openid.mode=checkid_setup&desktopBrowserWeblabTreatment=C&prepop
ulatedLoginId=&failedSignInCount=0&openid.claimed_id=http%3A%2F%2Fspecs.openid.ne
t%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Faut
h%2F2.0">
            <button >Create your amazon account</button>
        </a>
        </div>
      </div>
   </div>
   <center> <footer class="links">
   <a href="https://www.primevideo.com/help/ref=av_auth_ter?nodeId=202064890"> Terms
and Privacy Notice </a>  
   <a
href="https://www.amazon.in/ap/signin?openid.pape.max_auth_age=0&openid.return_to=http
s%3A%2F%2Feu.primevideo.com%2Fauth%2Freturn%2Fref%3Dav_auth_ap%3F_t%3Dsg-
LTSuvRQH0BCgOne6DR-
_s9kyg4TQQuxGXHnZrGstzpAAAAAQAAAABjxPlWcmF3AAAAAPgWC9WfHH8iB-
olH_E9xQ%26location%3D%2Fhelp%2Fcontact-
us%3Fref_%253Datv_auth_red_aft&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fa
uth%2F2.0%2Fidentifier_select&accountStatusPolicy=P1&openid.assoc_handle=amzn_prime
_video_sso_in&openid.mode=checkid_setup&siteState=262-0788730-
0988518&language=en_US&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth
%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0"
>
      Send us feedback </a>  
   <a href=""> Help </a>
   <p>© 1996-2023, Amazon.com, Inc. or its affiliates</p>
   </footer></center>

</body>
</html>
```

5.2 Home Page Code - index.html

```
<!DOCTYPE html>
<html lang="en">
```

```html
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to prime video</title>
    <link rel="shortcut icon" href="./img/nav-icon.png" type="image/png">
    <link rel="stylesheet" href="style.css">
    <script src="https://kit.fontawesome.com/ccf39ecc94.js"
crossorigin="anonymous"></script>
</head>
<body>
 <nav>
    <div class="logo">
        <img src="./img/logo.png" alt="logo">
        <div class="menu-left">
         <a href="#">Home</a>
         <a
href="https://www.primevideo.com/storefront/ref=atv_hm_pri_c_9zZ8D2_1_2?merchI
d=RentBuy&ie=UTF8">Store</a>
         <a
href="https://www.primevideo.com/storefront/channels/ref=atv_hm_pri_c_9zZ8D2_1_
3">Channel</a>
         <a href="#">Categories
          <i class="fas fa-caret-down arrow-down lang-btn"></i>
         </a>
         <a href="signin-form.html">My Stuff</a>

      </div>
     </div>


    <div class="menu-right">
      <a href="signin-form.html">
      <button class="Btn" type="button">Try for free</button> </a>

      <a href="#"> <i class="fas fa-search"></i></a>

      <a  class="dropdown-Btn" >
       <i class="fas fa-globe"></i>
       EN
         <i class="fas fa-caret-down arrow-down lang-btn"  >
         </i>
         <div id="languages" class="Ldd">
         <li><a href="">Bahas indonesia</a></li>
         <li><a href="">Bahas melayu</a></li>
         <li><a href="">Dansk</a></li>
         <li><a href="">Deutsch</a></li>
         <li><a href="">English</a></li>
         <li><a href="">Espanol</a></li>
         <li><a href="">Francais</a></li>
         <li><a href="">Italiano</a></li>
         <li><a href="">Magyar</a></li>
         <li><a href="">Nedarlands</a></li>
         <li><a href="">Norsk</a></li>
             <div class="Ld1">
```

```html
            <li><a href="">Polski</a></li>
            <li><a href="">Português (Brasil)</a></li>
            <li><a href="">Português (Portugal)</a></li>
            <li><a href="">Română</a></li>
            <li><a href="">Suomi</a></li>
            <li><a href="">Svenska</a></li>
            <li><a href="">Türkçe</a></li>
            <li><a href="">Wikang Filipino</a></li>
            <li><a href="">Čeština</a></li>
            <li><a href="">Ελληνικά</a></li>
            <li><a href="">PyCCkNN</a></li>
          </div>
          <div class="Ld2">
            <li><a href="">עברית</a></li>
            <li><a href="">العربية</a></li>
            <li><a href="">हिन्दी</a></li>
            <li><a href="">தமிழ்</a></li>
            <li><a href="">తెలుగు</a></li>
            <li><a href="">日本語</a></li>
            <li><a href="">简体中文</a></li>
            <li><a href="">繁體中文</a></li>
            <li><a href="">한국어</a></li>
          </div>
        </div>

    </a>


      <a class="dropdown_button"
          onclick="show_list()">
      <i class="fas fa-user-alt"></i>
       <i class="  fas fa-caret-down arrow-down lang-btn "> </i>
       <div id="courses_id" class="courses">
         <li><a href="signin-form.html">Sign in</a></li>
         <li><a
href="https://www.primevideo.com/splash/watchAnywhere/ref=atv_nb_wa">Watch
AnyWhere</a></li>
         <li><a
href="https://www.primevideo.com/help/ref=atv_nb_hp">Help</a></li>
      </div>
      </a>




  </div>
 </nav>

 <header >
  <img src="./img/home-1.jpg" alt="poster">
   <div class="text-over-img">
     <h1>Welcome to Prime Video</h1>
     <p>Watch the latest movies, TV shows, and award-winning Amazon <br>
       Originals</p>
```

```html
          <a href="signin-form.html">
           <button type="button">
            Sign in to join Prime</button>
          </a>

     </div>
    </header>
    <header >
     <img src="./img/home-2.jpg" alt="poster">
     <div class="text-over-img-1">
        <h1>Movie rentals on Prime Video</h1>
        <p>Early Access to new movies, before digital subscription</p>
        <br>
        <br>
         <a
href="https://www.primevideo.com/storefront/ref=atv_hm_hom_c_9zZ8D2_1_2?ie=U
TF8&merchId=RentBuy">
          <button type="button">Rent now</button>
        </a>
    </div>
    </header>

    <section >
     <div id="section">
       <div class="text-area">
       <h1>Your favorite channels all in one<br> place</h1>
       <p>With Prime Video Channels, find shows and movies from your<br> favorite
channels all in one place. Enjoy with an add-on <br>subscription to Channels of your
choice
       </p>
       </div>

     <div class="channelBtn">
       <a
href="https://www.primevideo.com/gp/video/offers?benefitId=lionsgateplayin"> <img
src="./img/channels/LionsgatePlay.jpg" alt="img"></a>
       <a
href="https://www.primevideo.com/gp/video/offers?benefitId=discoveryplusin"><img
src="./img/channels/Discovery.jpg" alt="img"></a>
       <a
href="https://www.primevideo.com/gp/video/offers?benefitId=erosnowin"><img
src="./img/channels/Erosnow.jpg" alt="img"></a>
       <a
href="https://www.primevideo.com/gp/video/offers?benefitId=manoramamaxin"><im
g src="./img/channels/MANORAMAMAX.jpg" alt="img"></a>
       <a
href="https://www.primevideo.com/gp/video/offers?benefitId=hoichoiin"><img
src="./img/channels/hoichoi.jpg" alt="img"></a>
       <a
href="https://www.primevideo.com/region/eu/ref=dv_web_force_root?contentId=vrotti
n&benefitId=vrottin&contentType=subscription"><img
src="./img/channels/Vrott.png" alt="img"></a>
       <a
href="https://www.primevideo.com/region/eu/ref=dv_web_force_root?contentId=amcp
lusin&benefitId=amcplusin&contentType=subscription"> <img
```

```html
src="./img/channels/Amc.png" alt="img"></a>
      <a
href="https://www.primevideo.com/gp/video/offers?benefitId=docubayin"><img
src="./img/channels/Docubay.jpg" alt="img"></a>
      <a href="https://www.primevideo.com/gp/video/offers?benefitId=mubiin"> <img
src="./img/channels/Mubi.jpg" alt="img"></a>
      <a
href="https://www.primevideo.com/region/eu/ref=dv_web_force_root?contentId=iwon
derin&benefitId=iwonderin&contentType=subscription"> <img
src="./img/channels/iWonder.png" alt="img"></a>
      <a
href="https://www.primevideo.com/region/eu/ref=dv_web_force_root?contentId=hayu
in&benefitId=hayuin&contentType=subscription"><img
src="./img/channels/Hayu.jpg" alt="img"></a>
      <a
href="https://www.primevideo.com/region/eu/ref=dv_web_force_root?contentId=sting
rayin&benefitId=stingrayin&contentType=subscription"> <img
src="./img/channels/Stingray.png" alt="img"></a>
    </div>
   </div>
  </section>

  <header class="fire-stick-header">
    <img src="./img/home-3.jpg" alt="poster ">
   <div class="fire-header" id="firehead">
      <h1 class="fire-heading">Even better with Fire TV Stick</h1>
      <p class="fire-para">The biggest movies and TV shows are always better on a big
screen. <br> Simply plug in your Amazon Fire TV Stick and stream on any HDTV.
Press<br> the voice button on the remote and say the name of the title you want to
<br>watch to find it in seconds.</p>
      <a href="signin-form.html">
       <button class="btn" type="button">Get started</button>
      </a>
   </div>
  </header>

  <header class="membership-header">
   <img src="./img/home-4.jpg" alt="poster ">
   <div class="mem-header" id="mem-div">
     <h1 class="mem-heading">Family Friendly</h1>
     <br>
     <br>
     <p class="mem-para">With easy to use Parental Controls and a dedicated kids
page, enjoy <br>secure, ad-free kids entertainment. Kids can enjoy popular TV shows
like <br>Peppa Pig, Powerpuff Girls, and Chhota Bheem.</p>
     <a href="signin-form.html">
      <button class="btn" type="button">Get started</button>
     </a>
  </div>
 </header>

 <footer>
  <div id="logo">
    <div>
      <img src="./img/footer-logo.png" alt="footer-logo" id="footer-img">
```

```html
      </div>
      <div id="copy-right">
        <p><a href="">Terms and PrivacyNotice</a></p>
        <p><a href="">Send us feedback</a></p>
        <p><a href="">Help</a></p>
        <p class="copy">
           © 1996-2022, Amazon.com, Inc. or its affiliates
        </p>
      </div>
   </div>

 </footer>


    <script src="app.js"> </script>
</body>
</html>
```

5.3 Home page Styling – style.css

```css
@import url('https://fonts.cdnfonts.com/css/amazon-ember');
*{
   margin: 0;
   padding: 0;
   box-sizing: border-box;
   list-style: none;
   outline: none;
   font-family: 'Amazon Ember', sans-serif;
   text-decoration: none;
}
a{
   cursor: pointer;
}
nav{
   background-color: #1a242f;
   padding: 0px 25px;
   display: flex;
   justify-content: space-between;
   position: sticky;
   width: 100%;
   z-index: 10;
   top: 0;

}
.Btn{
   width: 120px;
   background-color:#0f79af ;
   font-size: 14px;
   font-weight: 500;
   padding: 8px 5px;
   margin-top: 15px;
   border: none;
   border-radius: 3px;
```

```css
    color: #fff;
    cursor: pointer;
}
.logo{
    display: flex;
}
.logo img{
    width: 180px;
    height: 100px ;
    object-fit: cover;
}
.menu-left{
    padding-top: 45px;
    font-size: 18px;
    color: rgb(247, 246, 246);

}
.menu-left > a{
    padding: 5px 7px;
    color: rgb(224, 220, 220);

}
.menu-right{
    padding: 25px;
    font-size: 22px;
    color: #fff;
}
.menu-right a{
    padding: 5px 15px;
    color: rgb(255, 255, 255);
}

.menu-right.Btn{
    color: blue;

}
.menu-right label :hover{
    cursor: pointer;
}
.menu-right a:nth-child(2),
.menu > a >label{
    font-size: 16px;
    padding: 0px 3px;
}
.arrow-down{
    font-size: 12px;
}
header{
    position: relative;
    min-width: 320px;
    height: 620px;
    overflow: hidden;
    color:#fff;
}
header > img{
```

```css
    width: 100%;
    object-fit: cover;

}
.text-over-img{
    position: absolute;
    width: 45%;
    height: 100%;
    top: 3%;
    left: 3%;
}
.text-over-img > h1{
    font-size: 50px;
    font-weight: 100;
    line-height: 70px;
    margin-top: 100px;
    padding: 20px 0;
}
.text-over-img > p {
    font-size: 26px;
    line-height: 29px;
    font-weight: 100;

}
.text-over-img > a> button {
    width: 280px;
    background-color:#0f79af ;
    font-size: 18px;
    font-weight: 500;
    padding: 14px 22px;
    margin-top: 15px;
    border: none;
    border-radius: 3px;
    color: rgb(255, 255, 255);
    cursor: pointer;
}
.text-over-img-1{
    position: absolute;
    width: 45%;
    height: 100%;
    top: 7%;
    right: -3%;
}
.text-over-img-1> h1{
    font-size: 50px;
    font-weight: 100;
    line-height: 70px;
    margin-top: 100px;
    padding: 20px 0;
}
.text-over-img-1> p {
    font-size: 26px;
    line-height: 29px;
    font-weight: 100;
```

```css
}
.text-over-img-1 >a> button{
   width: 300px;
   background-color:#0f79af ;
   font-size: 18px;
   font-weight: 500;
   padding: 14px 22px;
   margin-top: 15px;
   border: none;
   border-radius: 3px;
   color: #fff;
   cursor: pointer;
}
#section{
display: flex;
justify-content: space-between;
}

.text-area > h1 {
   font-size: 45px;
   padding: 40px;
   left: 30%;

}
.text-area > p {
   font-size: x-large;
   padding: 30px;
}
.channelBtn{
   width: 40%;
   padding-left: 20px;


}
.channelBtn img{
   width: 240px;
   padding: -2px;

}
.channelBtn img:hover{
  cursor: pointer;
  box-shadow: 3px 3px 8px #000 , -3px -3px 8px #000;
}
.fire-stick-header{
   position: relative;
   min-width: 320px;
   height: 630px;
   overflow: hidden;
   color: #fff;
}
.fire-stick-header > img {
   width: 100%;
   object-fit: cover;
}
.fire-header{
```

```css
    position: absolute;
    width: 45%;
    height: 100%;
    top: 20%;
    left: 55%;
}
.fire-header h1{
    font-size: 45px;
    font-weight: 400;
    line-height: 40px;
}
.fire-header p{
    font-size: 24px;
    font-weight: 300;
    line-height: 28px;
    width: 800px;
    margin: 30px 0;
}
.btn {
    width: 280px;
    background-color:#0f79af ;
    font-size: 18px;
    font-weight: 500;
    padding: 14px 22px;
    margin-top: 15px;
    border: none;
    border-radius: 3px;
    color: #fff;
    cursor: pointer;
}
.membership-header{
    position: relative;
    min-width: 320px;
    height: 620px;
    overflow: hidden;
    color:#fff;
}
.membership-header > img{
    width: 100%;
    object-fit: cover;

}
.mem-header{
    position: absolute;
    width: 45%;
    height: 100%;
    top: 3%;
    left: 3%;
}
.mem-header > h1{
    font-size: 50px;
    font-weight: 100;
    line-height: 70px;
    margin-top: 100px;
    padding: 20px 0;
```

```css
}
.mem-header > p {
   font-size: 26px;
   line-height: 29px;
   font-weight: 100;
}
#logo{
   background-color: #1a242f;
   height: 150px;
   display: flex;
   flex-direction: column;
   justify-content: center;
   text-align: center;
}
#logo >  div{
   text-align: center;
   bottom: 5px;
}
#footer-img{
   width: 110px;
   height: 35px;
   object-fit: contain;
   text-align: center;
}
#copy-right {
   display: flex;
   justify-content: center;
   margin: 2px 3px;
   opacity: 0.7;
}
#copy-right> p{
   margin-left: 20px;
   padding-bottom: 20px;

}
#copy-right > p > a {
 color:#0f79af;
 font-size: 15px;

}
.copy{
   color: #949494;
   text-align: center;
   justify-content: center;
   position: absolute;
   padding-top: 30px;
   padding-left: 10px;
}

.dropdown_button {
   border: none;
   cursor: pointer;
   width: 200px;
   position: relative;
```

```css
}

.courses {
  display: none;
  position:absolute;
  right: 2%;
  background-color:#1a242f;
  box-shadow: 0px 8px 16px 0px rgba(0, 0, 0, 0.2);
  z-index: 1;
}

.courses li {
  padding: 12px 16px;
  text-decoration: none;
  display: block;
  list-style: none;
  background-color:#1a242f;
}
.courses li a {
  text-decoration: none;
  color: white;
  display: block;
  padding: 10px;
  font-size: 16px;
  font-weight: 100;

}

.courses li:hover {
  background-color: #9cafbfa3;
  color: white;
}

.dropdown-Btn{

  border: none;
  cursor: pointer;
  width: 300px;
  position: relative;
}

.Ldd{
  display: none;
  position:absolute;
  background-color:#1a242f;
  box-shadow: 0px 8px 16px 0px rgba(0, 0, 0, 0.2);
  z-index: 1;
}

.Ldd li {

  padding: 12px 16px;
  text-decoration: none;
  display: block;
  list-style: none;
```
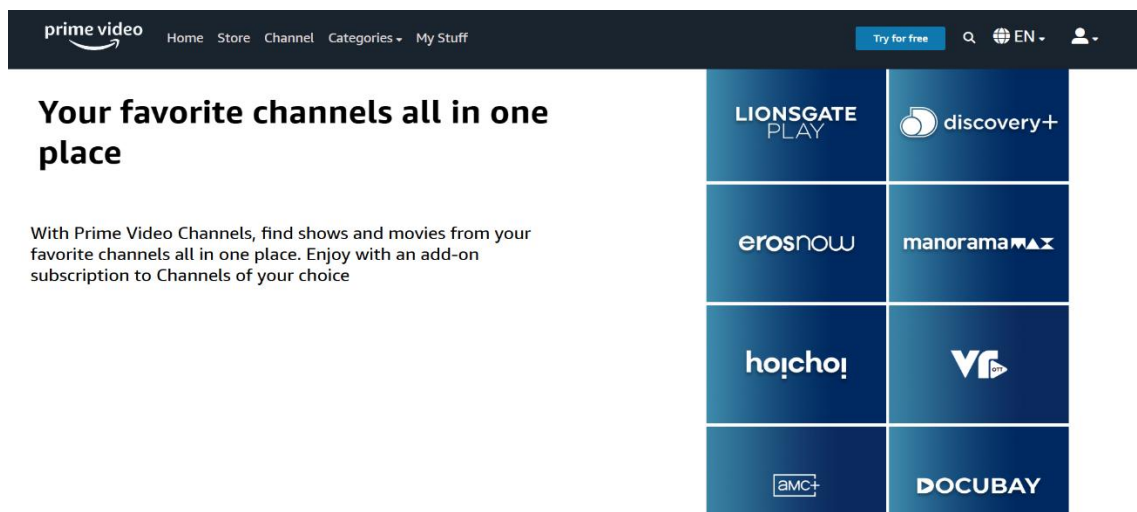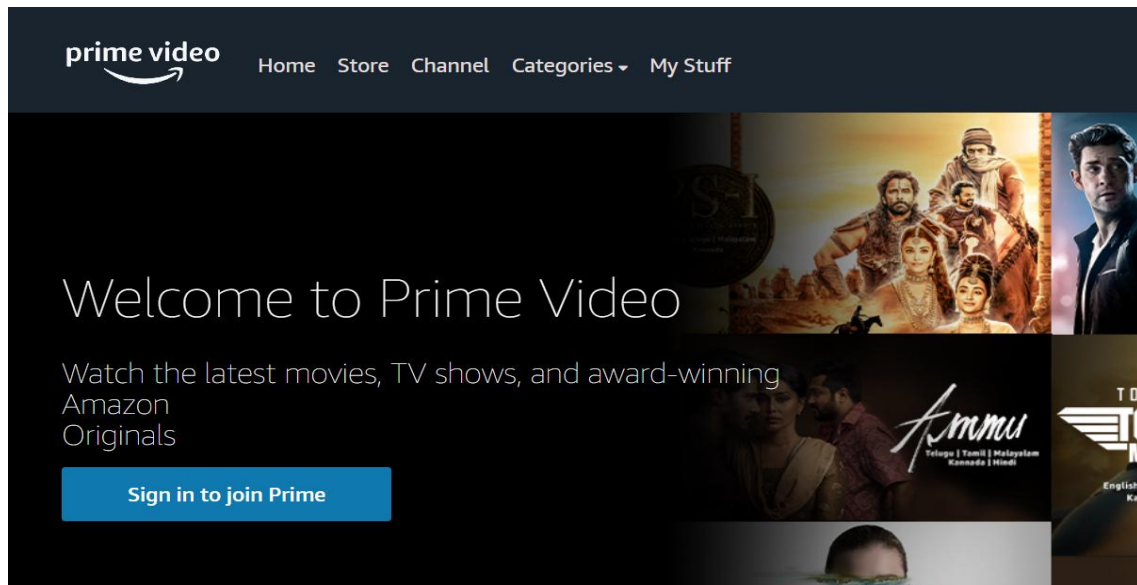
```
    background-color:#1a242f;
}
.Ldd li a {

    text-decoration: none;
    color: white;
    display: block;
    padding: 10px;
    font-size: 16px;
    font-weight: 100;


}

.Ldd li:hover {
    background-color: #9cafbfa3;
    color: white;
}
```

5.4 JavaScript Functions – app.js

```
function show_list() {
    var courses = document.getElementById("courses_id");

    if (courses.style.display == "block") {
        courses.style.display = "none";
    } else {
        courses.style.display = "block";
    }
}
window.onclick = function (event) {
    if (!event.target.matches('.dropdown_button')) {
        document.getElementById('courses_id')
            .style.display = "none";
    }
    else {
        courses.style.display = "block";
    }
}
```

6.Output

Even better with Fire TV Stick

The biggest movies and TV shows are always better on a big scre
Simply plug in your Amazon Fire TV Stick and stream on any HDT
the voice button on the remote and say the name of the title you
watch to find it in seconds.

Get started
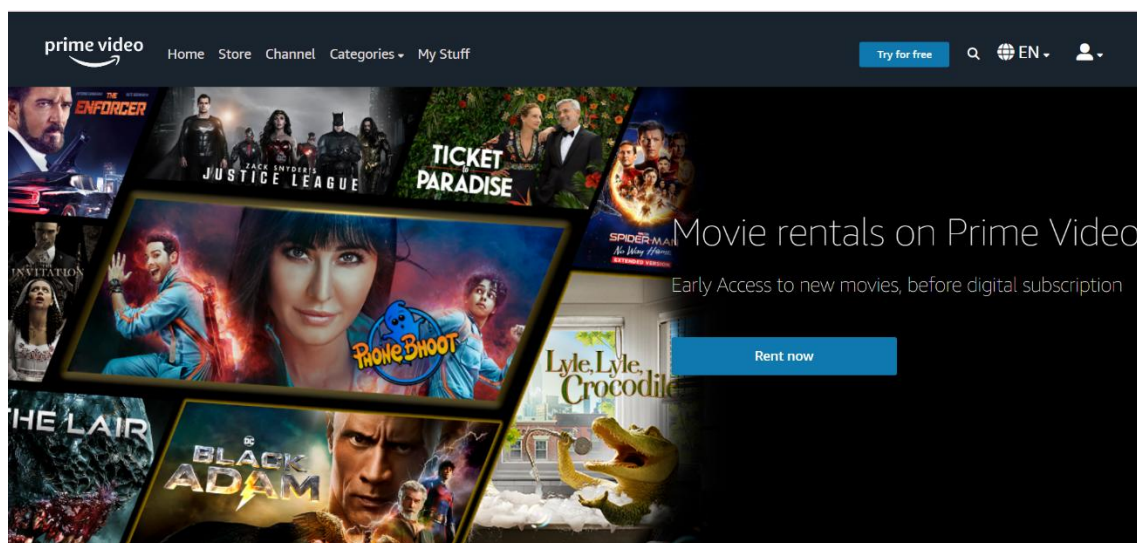
prime video   Home Store Channel Categories My Stuff   Try for free   Q   EN

Family Friendly

With easy to use Parental Controls and a dedicated kids page, enjoy
secure, ad-free kids entertainment. Kids can enjoy popular TV shows like
Peppa Pig, Powerpuff Girls, and Chhota Bheem.

Get started

prime video

Sign in

Email or mobile phone number

password   **Forgot your password?**

Sign in

By continuing, you agree to the Amazon Conditions of Use and Privacy Notice.

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prime video

Create Account

Your name

First and last name

Mobile number

GB +44 ⌄   Mobile number

Password

At least 6 characters

ⓘ Passwords must be at least 6 characters.

To verify your number, we will send you a text message with a temporary code. Message and data rates may apply.

Verify mobile number

Already have an account? Sign in ›

By creating an account, you agree to the Amazon Conditions of Use and Privacy Notice.

7. Future Scope of the Project

• Add real video streaming functionality.
• Connect to a backend database for storing user credentials.
• Personalize content for signed-in users.
• Add admin dashboard and analytics.

8. Limitations of the Project

• No backend/database integration.
• No real authentication mechanism.
• Only a static front-end simulation.

9. References

• Amazon Prime Video interface for design inspiration.
• GitHub repositories for HTML/CSS/JS samples.
• W3Schools, MDN Web Docs for HTML/CSS/JS documentation.