1

DESIGN USER INTERFACE

2

IDENTIFY COMPONENTS

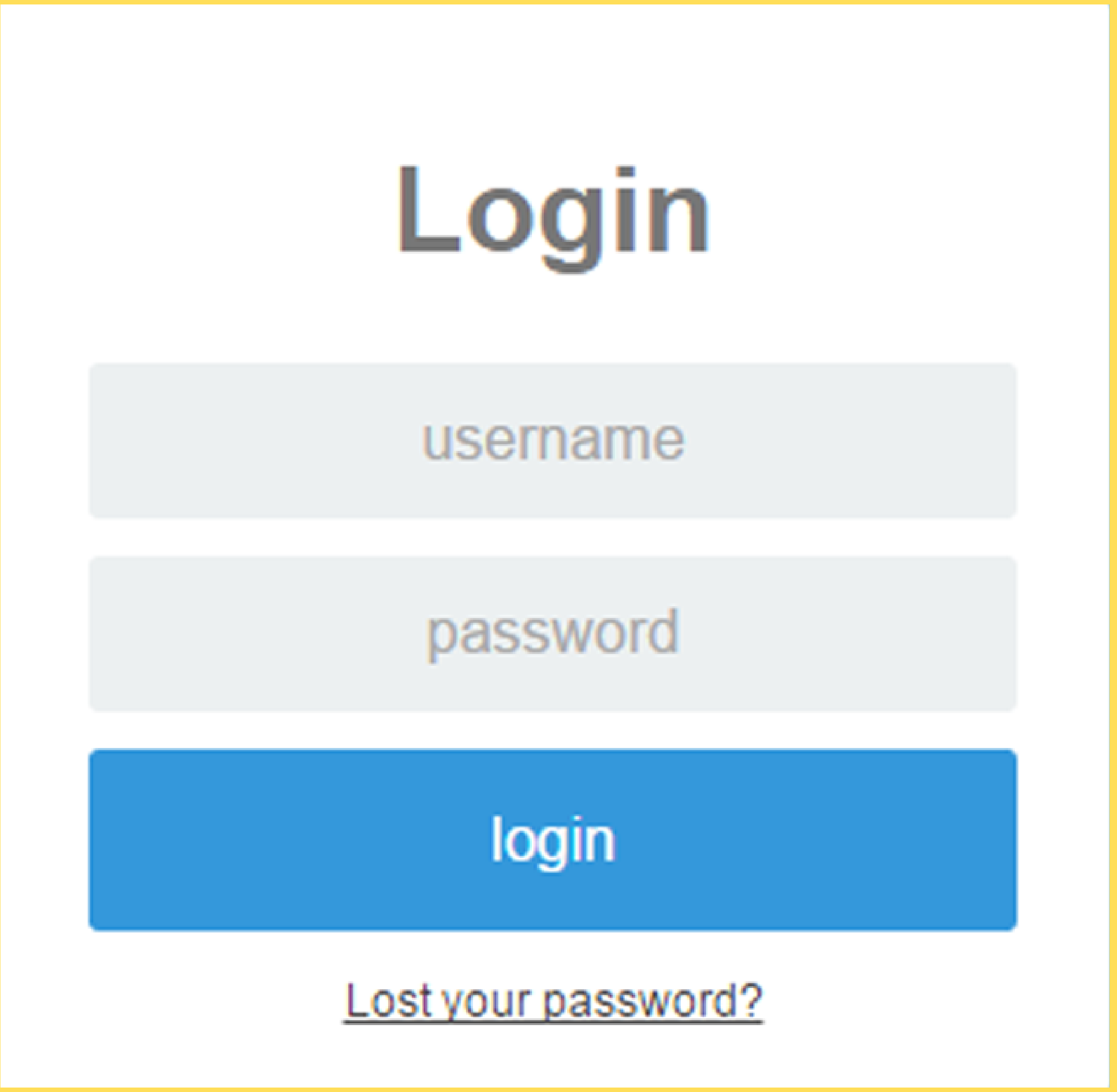
3

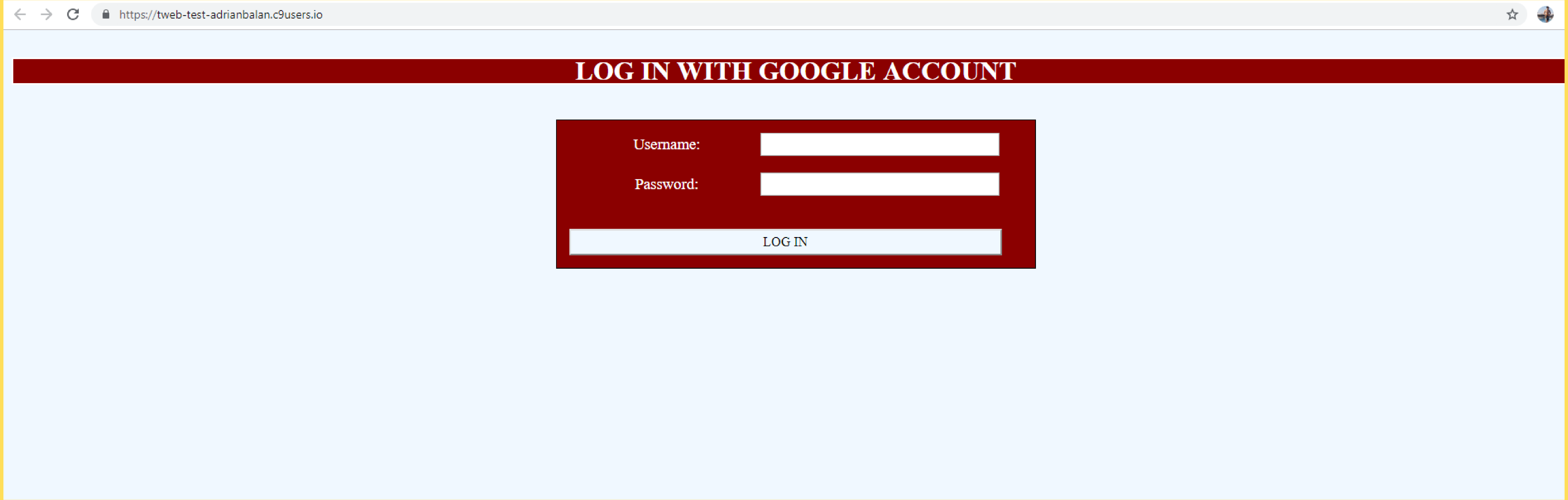
IDENTIFY API CALLS

4

USER ACTIONS

1



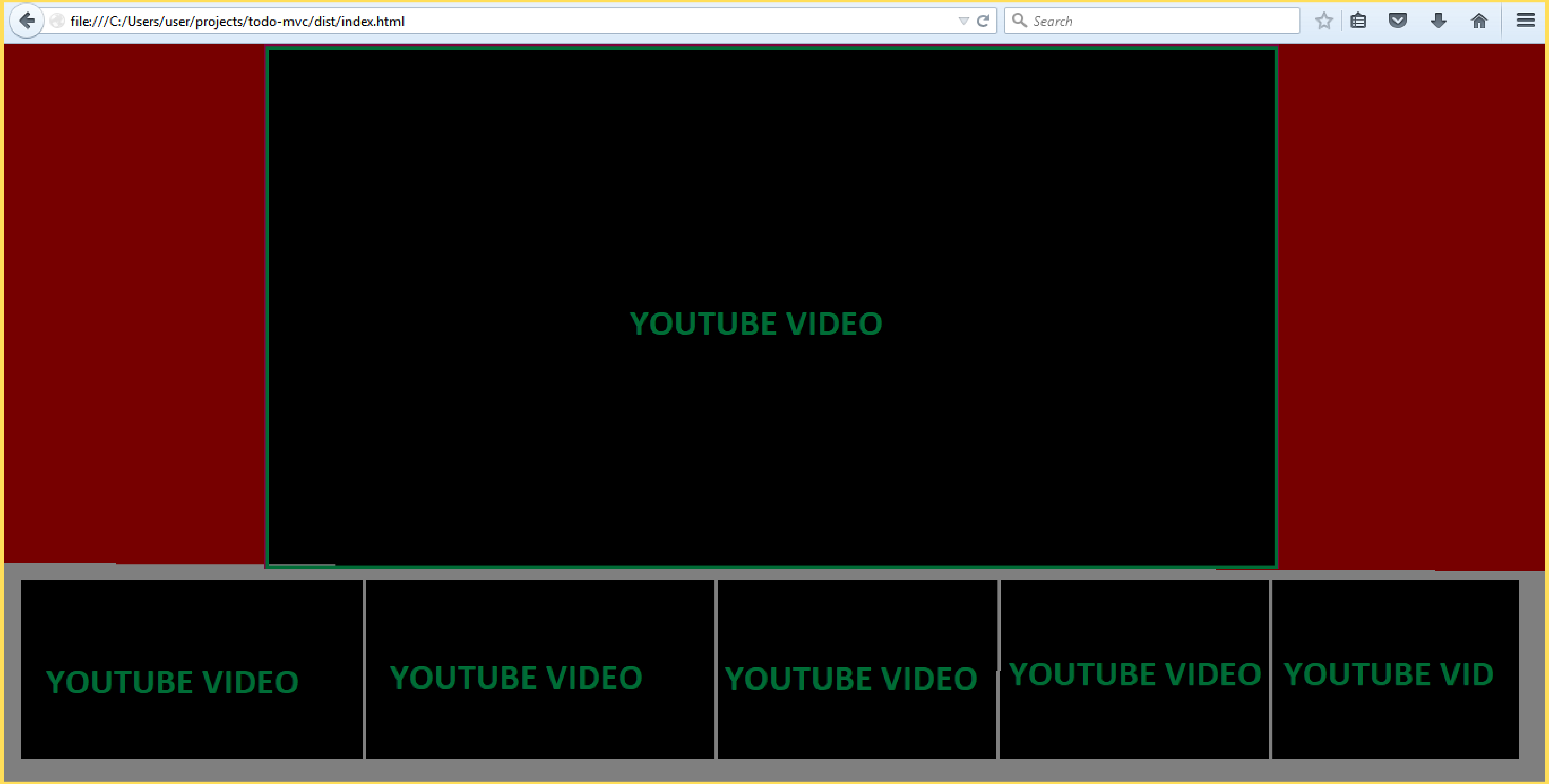


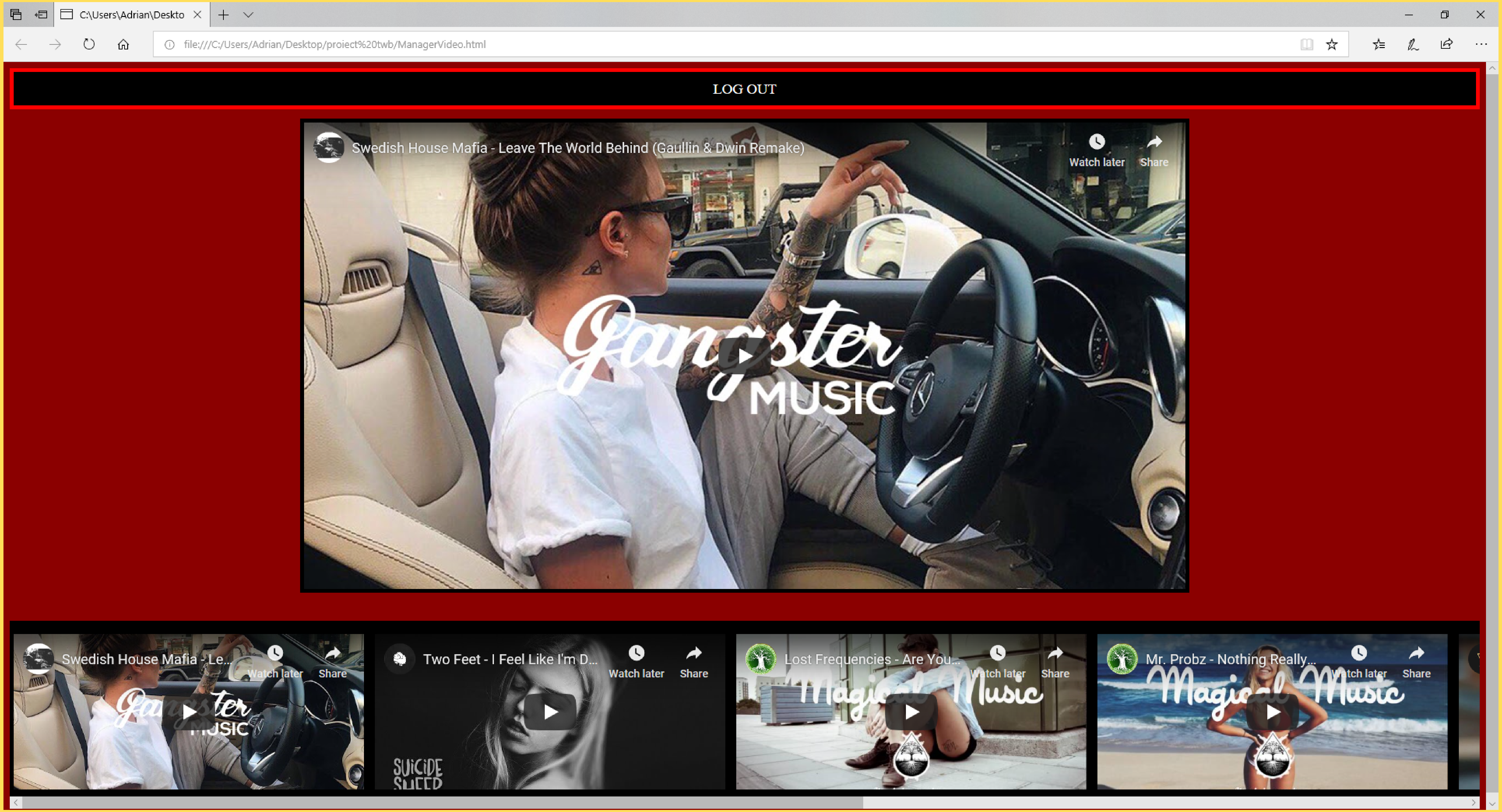
LOG IN WITH GOOGLE ACCOUNT

Username:

Password:

1

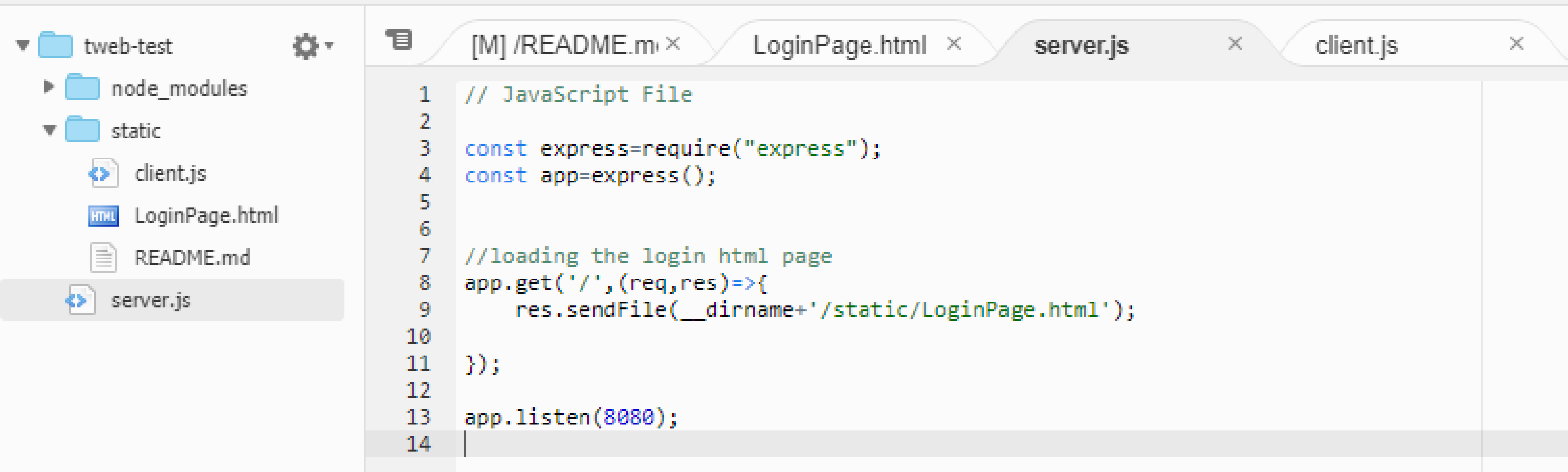

file:///C:/Users/user/projects/todo-mvc/dist/index.html
Search
YOUTUBE VIDEO
YOUTUBE VIDEO
YOUTUBE VIDEO
YOUTUBE VIDEO
YOUTUBE VIDEO
YOUTUBE VID


C:\Users\Adrian\Deskto
file:///C:/Users/Adrian/Desktop/proiect%20twb/ManagerVideo.html
LOG OUT
Swedish House Mafia - Leave The World Behind (Gaullin & Dwin Remake)
Watch later
Share
Gangster MUSIC
Swedish House Mafia - Le...
Two Feet - I Feel Like I'm D...
Lost Frequencies - Are You...
Mr. Probz - Nothing Really...
Magical Music
SUICIDE SHEEP

2

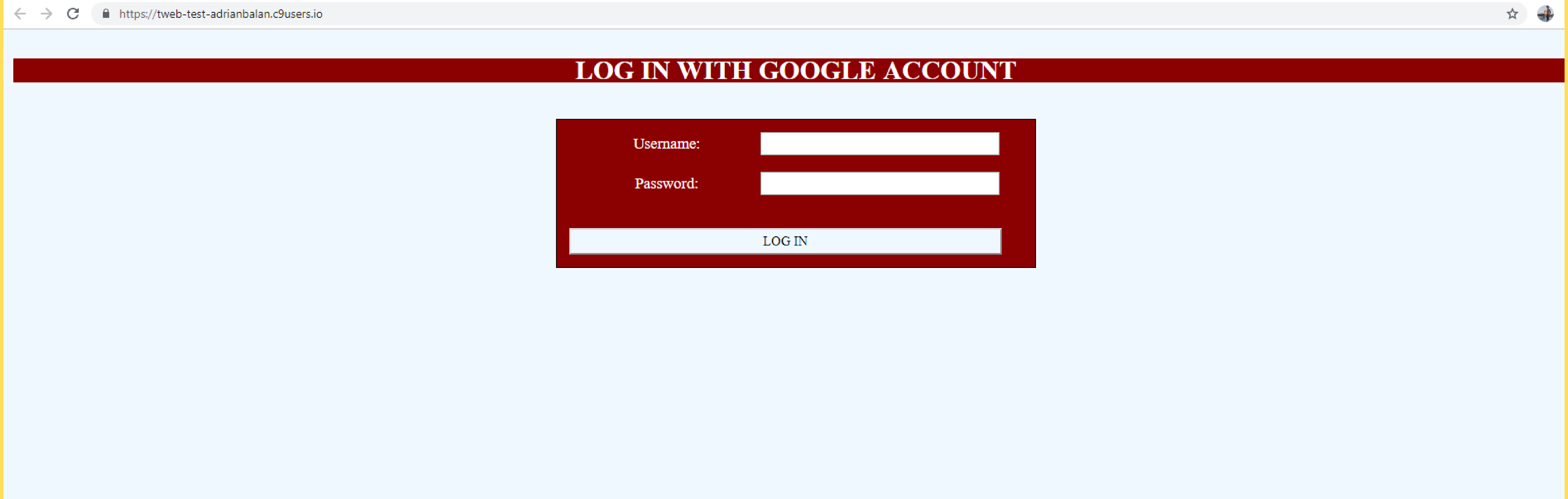
1. LOGIN BUTTON / HYPERLINK
2. LOGIN TEXTBOX
3. IFRAMES
4. SCROLL BUTTONS
5. NEXT BUTTON

3



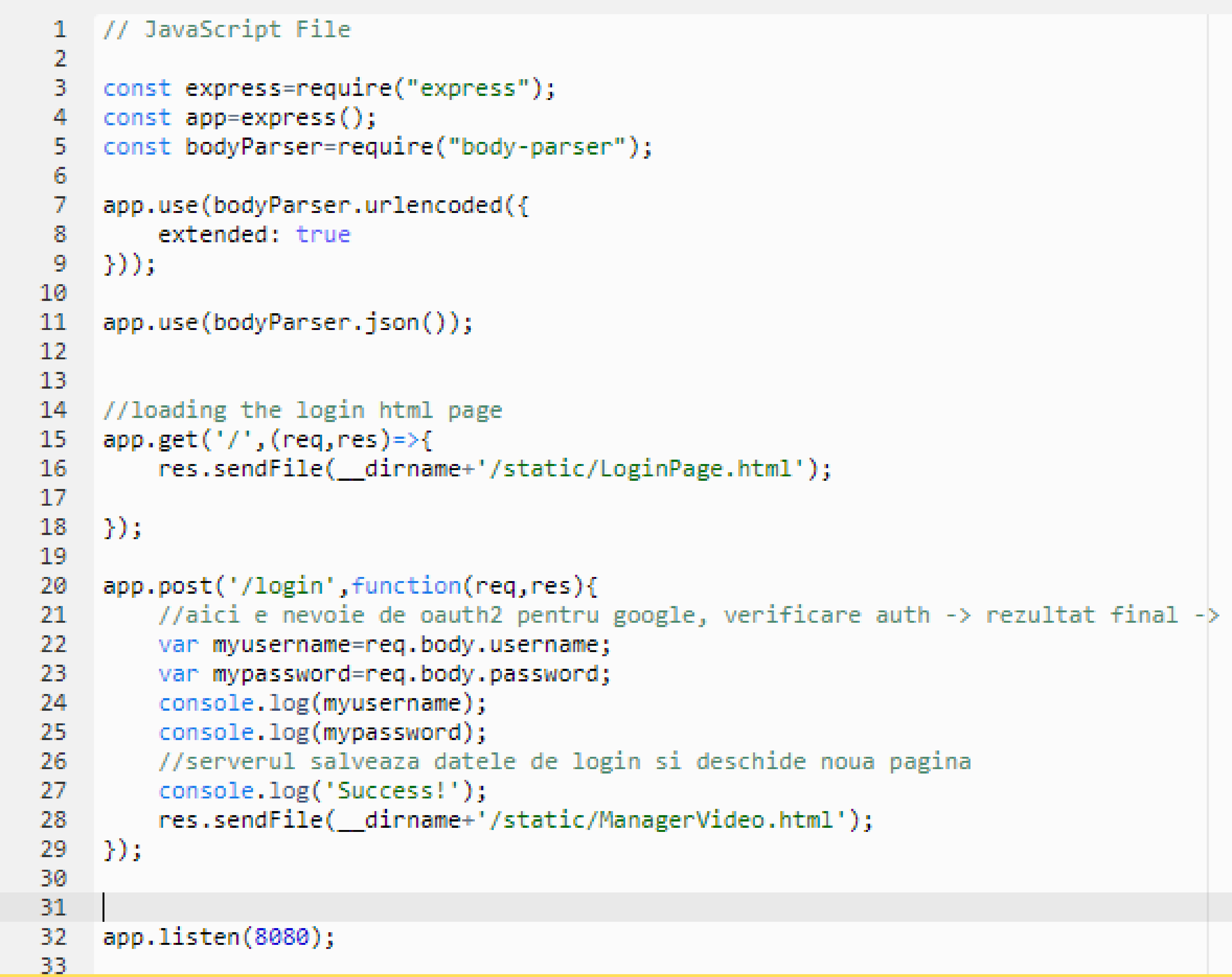
```
// JavaScript File

const express=require("express");
const app=express();


//loading the login html page
app.get('/',(req,res)=>{
    res.sendFile(__dirname+'/static/LoginPage.html');

});

app.listen(8080);
```

GET / -> incarcarea paginii de login


https://tweb-test-adrianbalan.c9users.io
LOG IN WITH GOOGLE ACCOUNT
Username:
Password:
LOG IN

3

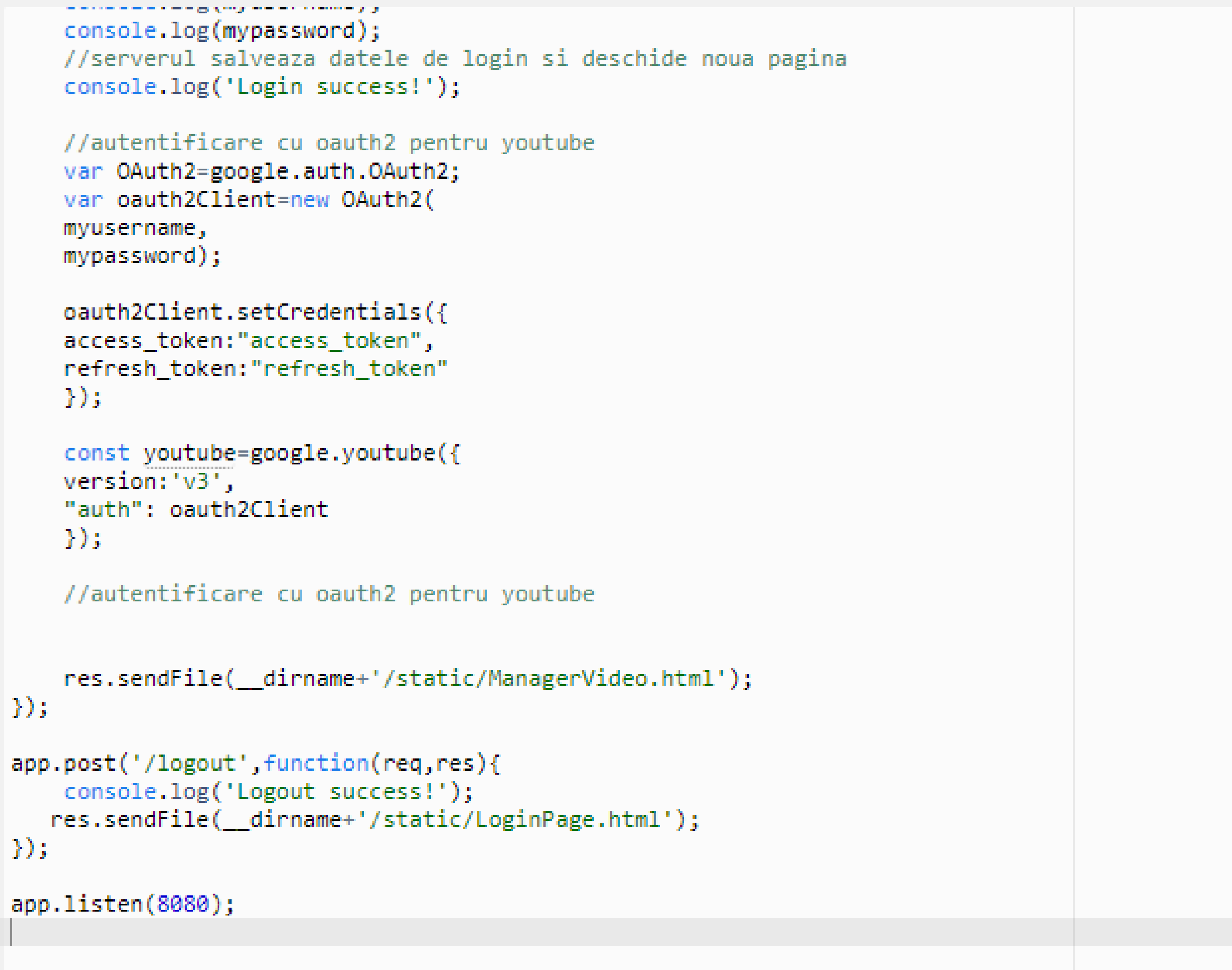
/LOGIN -> deschide o noua pagina, salveaza datele de login de pe prima pagina



```
// JavaScript File

const express=require("express");
const app=express();
const bodyParser=require("body-parser");

app.use(bodyParser.urlencoded({
    extended: true
}));

app.use(bodyParser.json());


//loading the login html page
app.get('/',(req,res)=>{
    res.sendFile(__dirname+'/static/LoginPage.html');

});

app.post('/login',function(req,res){
    //aici e nevoie de oauth2 pentru google, verificare auth -> rezultat final ->
    var myusername=req.body.username;
    var mypassword=req.body.password;
    console.log(myusername);
    console.log(mypassword);
    //serverul salveaza datele de login si deschide noua pagina
    console.log('Success!');
    res.sendFile(__dirname+'/static/ManagerVideo.html');
});


app.listen(8080);

```

3

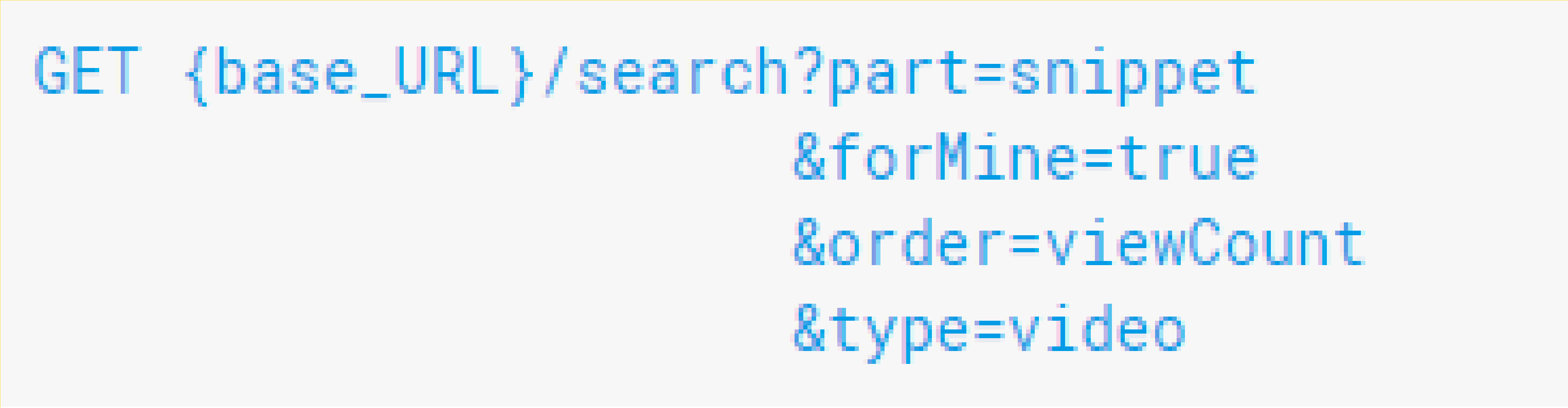
/LOGOUT -> ne duce inapoi pe pagina de login



```
    console.log(myusername);
    console.log(mypassword);
    //serverul salveaza datele de login si deschide noua pagina
    console.log('Login success!');

    //autentificare cu oauth2 pentru youtube
    var OAuth2=google.auth.OAuth2;
    var oauth2Client=new OAuth2(
    myusername,
    mypassword);

    oauth2Client.setCredentials({
    access_token:"access_token",
    refresh_token:"refresh_token"
    });

    const youtube=google.youtube({
    version:'v3',
    "auth": oauth2Client
    });

    //autentificare cu oauth2 pentru youtube


    res.sendFile(__dirname+'/static/ManagerVideo.html');
});

app.post('/logout',function(req,res){
    console.log('Logout success!');
   res.sendFile(__dirname+'/static/LoginPage.html');
});

app.listen(8080);
```

3

GET /MOST-VIEWED-VIDEOS -> extragerea resurselor necesare

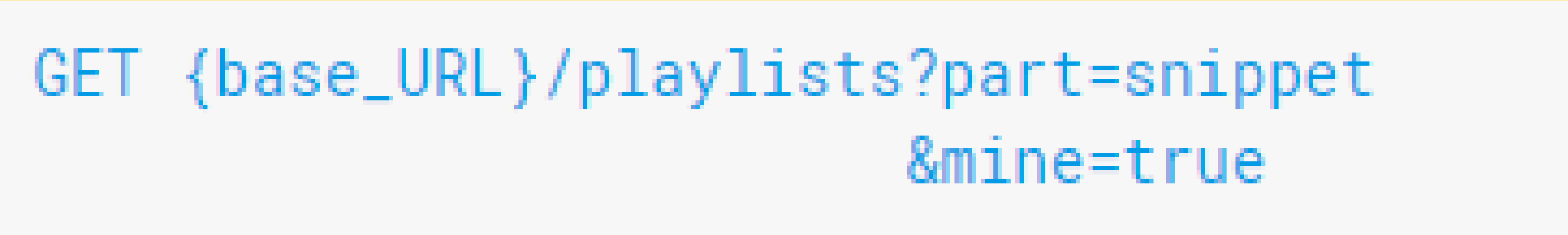


```
GET {base_URL}/search?part=snippet
                     &forMine=true
                     &order=viewCount
                     &type=video
```

```
{
"kind":
"youtube#searchListResponse",
"etag": etag,
"nextPageToken": string,
"prevPageToken": string,
"regionCode": string,
"pageInfo": {
"totalResults": integer,
"resultsPerPage": integer
},
"items": [
search Resource
]
}
```

3

GET /USER-PLAYLISTS



```
GET {base_URL}/playlists?part=snippet
                        &mine=true
```

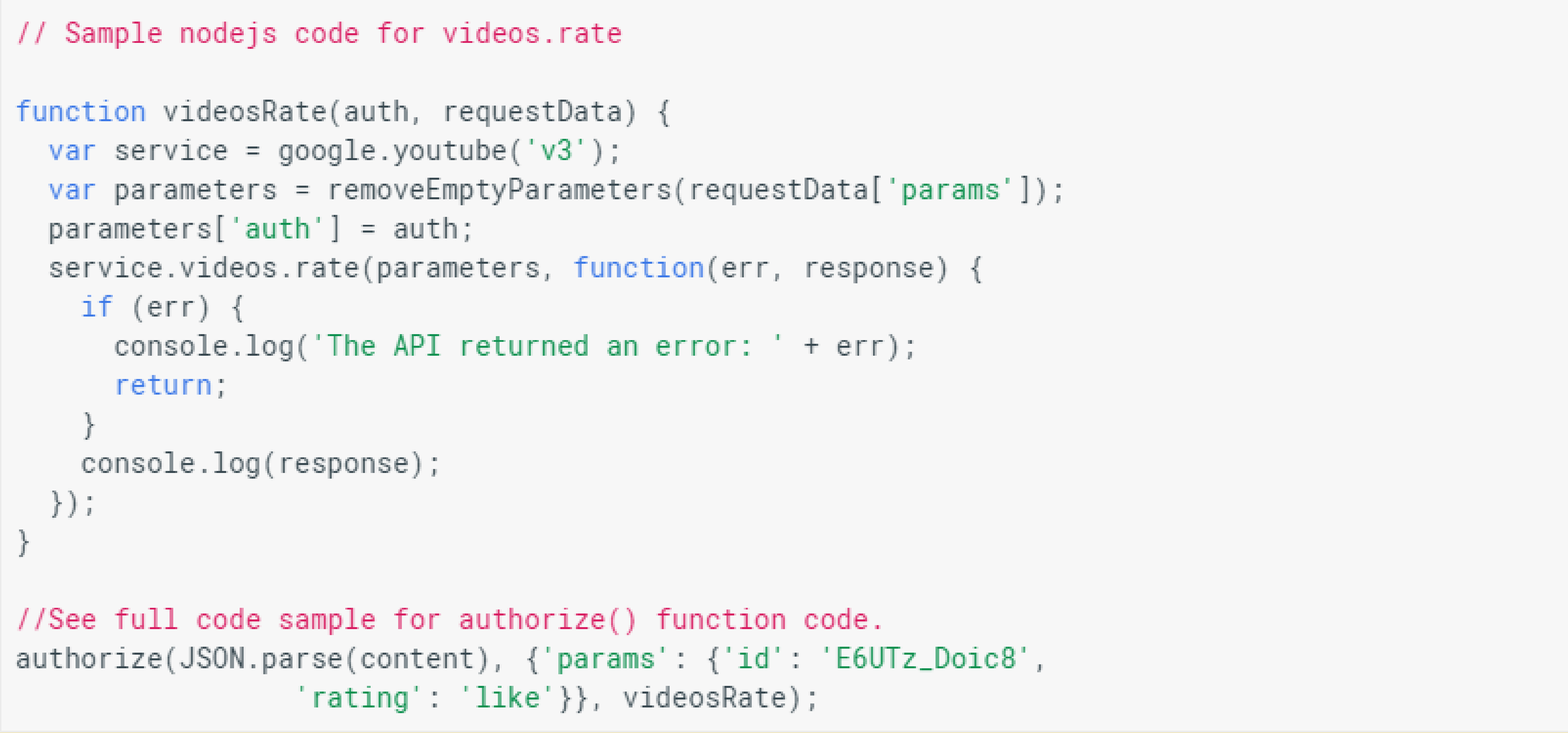
```
{
"kind": "youtube#playlistListResponse",
"etag": etag,
"nextPageToken": string,
"prevPageToken": string,
"pageInfo": {
"totalResults": integer,
"resultsPerPage": integer
},
"items": [
playlist Resource
]
}
```

3

DELETE /VIDEOS/RATE

POST https://www.googleapis.com/youtube/v3/videos/rate

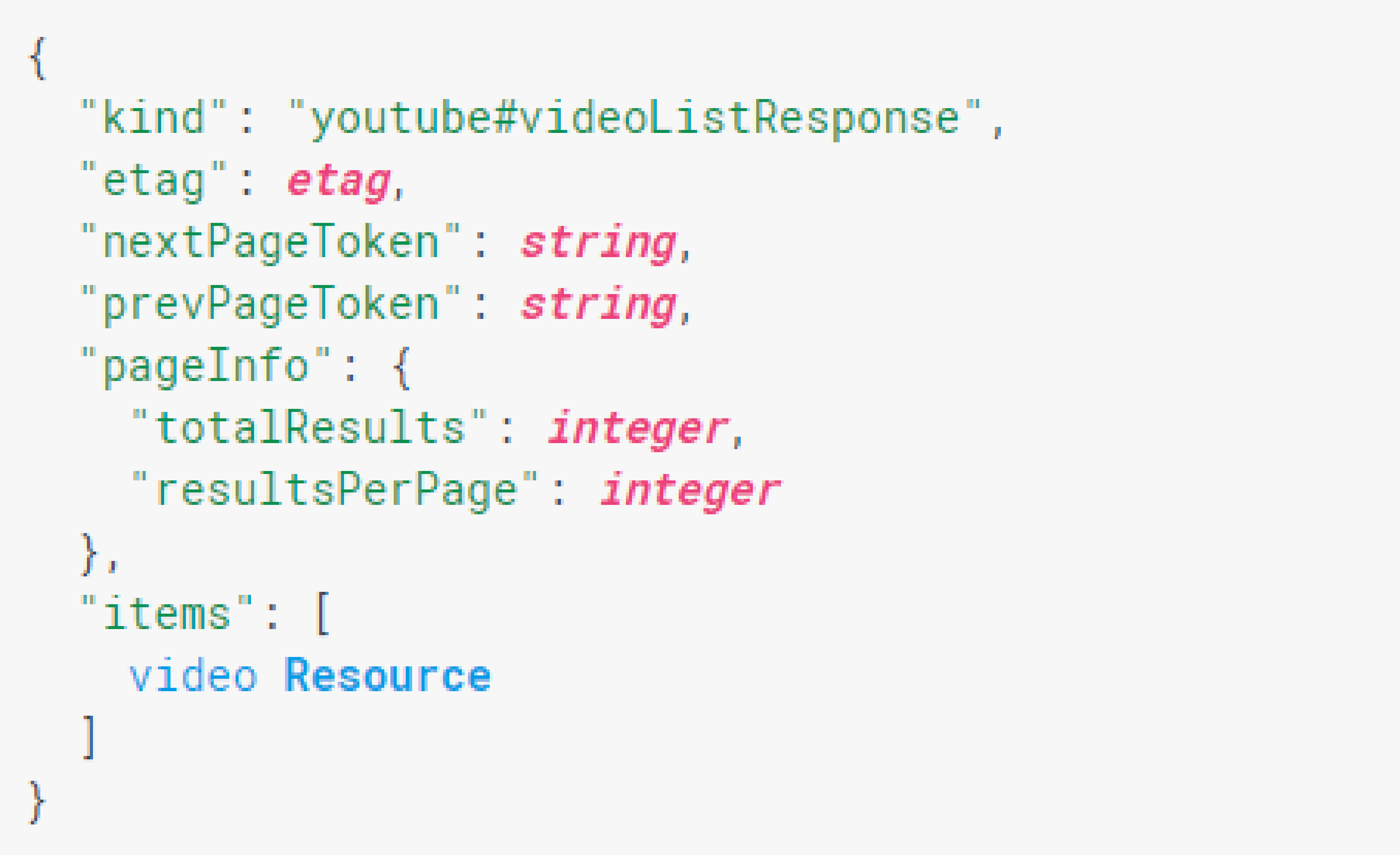
Daca este executata cu succes, aceasta metoda returneaza HTTP 204 (No Content)



```
// Sample nodejs code for videos.rate

function videosRate(auth, requestData) {
  var service = google.youtube('v3');
  var parameters = removeEmptyParameters(requestData['params']);
  parameters['auth'] = auth;
  service.videos.rate(parameters, function(err, response) {
    if (err) {
      console.log('The API returned an error: ' + err);
      return;
    }
    console.log(response);
  });
}

//See full code sample for authorize() function code.
authorize(JSON.parse(content), {'params': {'id': 'E6UTz_Doic8',
                 'rating': 'like'}}, videosRate);
```

3

GET https://www.googleapis.com/youtube/v3/videos



```
{
  "kind": "youtube#videoListResponse",
  "etag": etag,
  "nextPageToken": string,
  "prevPageToken": string,
  "pageInfo": {
    "totalResults": integer,
    "resultsPerPage": integer
  },
  "items": [
    video Resource
  ]
}
```

4

1. AUTHENTIFICATE USING GOOGLE ACCOUNT
2. VIEW YOUTUBE LIKED VIDEOS
3. SCROLL AND VIEW UPCOMING VIDEOS
4. UNLIKE A VIDEO