

# Project 3 / Video upload.

Group Project Repository:

<https://github.com/sanderdehaar/explorebreda>

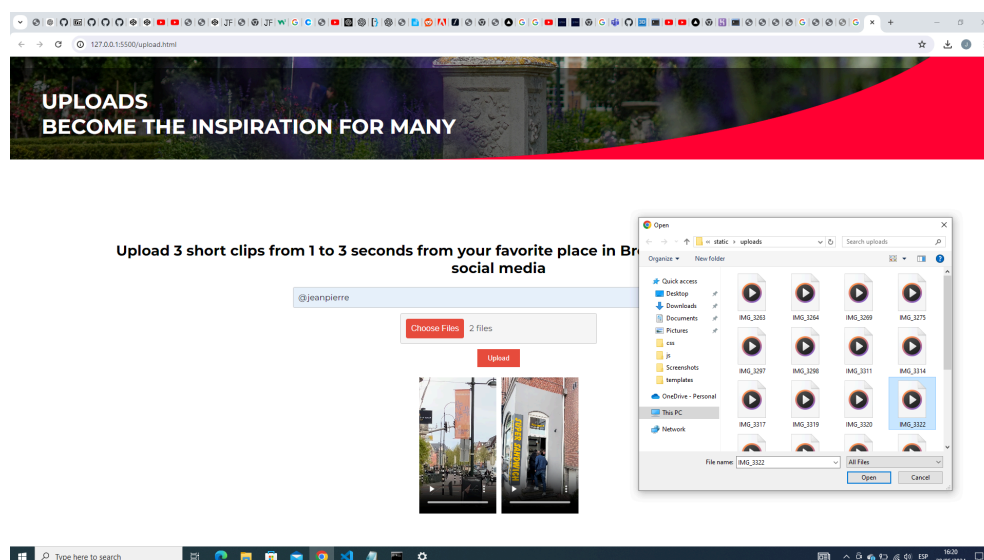
For our last group project I was in charge of bringing my idea for project 2 to life. I had to code the “Hidden Spots”, now renamed “Hidden Gems”, in a different style, since I realized my group mates had shifted from the past design i made (based on the explorebreda.nl website), which was not bad because i liked the new design a lot and actually thought it looked better.

The idea of the project is explained on the description of project 2, and i had to code functionalities such as video upload (no database of course, this is just a functional prototype for the client to see), also functionalities like adding a social media username for users to be credited (great idea from Jan in feedback) and a part for video display before uploading to make sure is the correct one, and a part to see all uploaded videos after.

My reflexion for this project is to practice my javascript, i started writing the code but could not get it to work, so i had some help of chatGPT and stack overflow to make some JS processes, but as always, at the end i completely understood the code.

In conclusion, the page worked as follows:

- Type social media username.
- upload 1-3 files 3 seconds each.
- review if they are the correct ones.
- Upload.
- View uploaded videos with username displayed on the bottom.



I worked this project on github with my group, the link to the repository will be on the portfolio as well, but here is all my code for simpler reading:

### HTML (most of the design i just used the one Sander made, so same code):

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Our stylesheet -->
  <link rel="stylesheet" type="text/css" href="css/global/global.css">
  <link rel="stylesheet" type="text/css" href="css/global/header.css">
  <link rel="stylesheet" type="text/css" href="css/hero/banner.css">
  <link rel="stylesheet" type="text/css" href="css/hero/home.css">
  <link rel="stylesheet" type="text/css" href="css/upload.css"> <!-- Add
this line for new styles -->
  <link rel="stylesheet" href="/css/popup.css">
  <!-- extra links -->
  <script src="https://kit.fontawesome.com/9166a74bb7.js"
crossorigin="anonymous"></script>
  <script
src="https://unpkg.com/scrollreveal@3.3.2/dist/scrollreveal.min.js"></scri
pt>
  <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
  <!-- Website title -->
  <title>Explorebreda - Home</title>
</head>
<body id="pagewrapper">
  <!-- Page Header -->
  <header id="global-header">
    <div class="container">
      <!-- website logo -->
      <a class="logo" href="index.html"></a>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="#">Stories<i class="fa-solid
fa-caret-down"></i></a></li>
```

```

        <li><a href="#">Discover Breda</a></li>
        <li><a href="#">Contact</a></li>
        <li id="account_status">
            <a href="#" class="dropdown_row">Account<i
class="fa-solid fa-caret-down"></i></a>
            <div class="dropdown">
                <div class="head"></div>
                <ul>
                    <li><a href="#"><i class="fa-solid
fa-camera-retro"></i>My stories</a></li>
                    <li><a href="dashboardUp.html"><i
class="fa-solid fa-gauge"></i>Dashboard</a></li>
                    <li><a href="#"><i class="fa-solid
fa-user"></i>Account details</a></li>
                    <li><a href="#" onclick="logout()"><i
class="fa-solid fa-right-from-bracket"></i>Logout</a></li>
                </ul>
            </div>
        </li>
        <li id="login_status">
            <a href="#" class="dropdown_row">Account<i
class="fa-solid fa-caret-down"></i></a>
            <div class="dropdown">
                <div class="head"></div>
                <ul>
                    <li><p>Not logged in.</p></li>
                    <li><a href="login.html">Login</a></li>
                </ul>
            </div>
        </li>
        <div class="menu">
            <span></span>
            <span></span>
        </div>
    </ul>
</div>
</header>
<!-- menu -->
<div id="menu">
    <div class="box">

```

```
<div class="information">
  <div class="head">
    <h2>Menu</h2>
    <div class="menu close-menu">
      <span></span>
      <span></span>
    </div>
  </div>
</div>
<div class="main">
  <ul>
    <li class="is-active"><a
href="index.html">Home</a></li>
    <li><a href="#">Stories</a></li>
    <li><a href="#">Discover Breda</a></li>
    <li><a href="#">Contact</a></li>
  </ul>
</div>
<div class="bottom">
  <div class="small-banner">
    
    <a href="#"><button>See news</button></a>
  </div>
  <div class="profile">
    <a href="#">
      <button>
        <i class="fa-solid fa-user"></i>
      </button>
    </a>
    <p id="account_name"></p>
  </div>
  <div class="socials">
    <div class="social">
      <i class="fa-brands fa-instagram"></i>
    </div>
    <div class="social">
      <i class="fa-brands fa-facebook-f"></i>
    </div>
    <div class="social">
      <i class="fa-brands fa-tiktok"></i>
    </div>
  </div>
</div>
```

```

        <div class="social">
            <i class="fa-brands fa-youtube"></i>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Main information -->
<main>
    <!-- Hero banner with homepage information -->
    <section id="hero-banner">
        
        <div class="container">
            <div class="box">
                <h1>Uploads</h1>
                <h1>Become the inspiration for many</h1>
            </div>
        </div>
        <div class="overlay"></div>
    </section>
    <div class="overlay-banner">
        <div class="box">
        </div>
    </div>
    <section id="hero-home">
        <div class="container">
            <!-- <h2>Homepage</h2>
            <p id="account_name"></p>
            <p id="account_email"></p> -->
        </div>
    </section>

    <!-- New sections for upload and videos -->
    <section class="upload-section">
        <h2>Upload 3 short clips from 1 to 3 seconds from your
favorite place in Breda and see them posted on our social media</h2>
        <form id="uploadForm">

```

```

        <input type="text" id="username" placeholder="Your Name"
required>
        <input type="file" id="fileInput" multiple>
        <button type="submit" id="openPopup">Upload</button>
    </form>
    <div class="video-previews" id="videoPreviews">
        <!-- Thumbnails will be shown here -->
    </div>
</section>
<div id="popup" class="popup">
    <div class="popup-content">
        <span id="closePopup" class="close">&times;</span>
        <p id="text" >Congratulations! You earned points!</p>
        
    </div>
</div>
<section class="videos-section">
    <h2>Videos from locals to locals:</h2>
    <p>a look at videos created with clips uploaded by other
locals</p>
    <div class="video-grid" id="videoGrid">
        <div class="video-container">
            <video src="./assets/videos/VideoTemplate1.mp4"
controls></video>
            <div class="video-info">@User1</div>
        </div>
        <div class="video-container">
            <video src="assets/videos/VideoTemplate2.mp4"
controls></video>
            <div class="video-info">@User2</div>
        </div>
        <div class="video-container">
            <video src="assets/videos/VideoTemplate3.mp4"
controls></video>
            <div class="video-info">@User3</div>
        </div>
        <div class="video-container">
            <video src="assets/videos/VideoTemplate4.mp4"
controls></video>

```

```

        <div class="video-info">@User4</div>
    </div>
</div>
</section>
</main>
<div id="alert"></div>
    <!-- The core Firebase (required) -->
    <script
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-app.js"></script>
    <!-- firebase libraries -->
    <script
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-auth.js"></script>
    <script
src="https://www.gstatic.com/firebasejs/8.6.8/firebase-database.js"></scri
pt>
    <!-- firebase database connection -->
    <script src="js/database.js"></script>
    <!-- Glide.js -->
    <script
src="node_modules/@glidejs/glide/dist/glide.min.js"></script>
    <script>
        new Glide('.glide').mount()
    </script>
    <!-- JS files -->
    <script src="js/account.js"></script>
    <script src="js/main.js"></script>
    <script src="script.js"></script>
</body>
</html>

```

**CSS (only for uploads part):**

```

.upload-section, .videos-section {
    padding: 40px 20px;
    text-align: center;
}

.upload-section h2, .videos-section h2 {
    margin-bottom: 20px;
}

```

```
}

.upload-section p, .videos-section p {
    color: #666;
}

#uploadForm {
    margin-bottom: 20px;
}

#username {
    display: block;
    margin: 10px auto;
    padding: 10px;
    width: 50%;
    border: 1px solid #ccc;
    border-radius: 4px;
    font-size: 16px;
}

#fileInput {
    display: block;
    margin: 10px auto;
    padding: 10px;
    background-color: #f8f8f8;
    border: 1px solid #ccc;
    border-radius: 4px;
    font-size: 16px;
    color: #333;
    cursor: pointer;
    text-align: center;
}

#fileInput::file-selector-button {
    margin-right: 10px;
    padding: 10px;
    background-color: #e74c3c;
    color: #fff;
    border: none;
    border-radius: 4px;
}
```



```
        cursor: pointer;
    }

    #openPopup {
        background-color: #e74c3c;
        color: #fff;
        padding: 10px 20px;
        border: none;
        cursor: pointer;
    }

    .video-previews {
        display: flex;
        justify-content: center;
        gap: 10px;
        margin-bottom: 20px;
    }

    .video-previews video {
        width: 150px;
        height: 265px; /* Height for phone format (9:16 aspect ratio) */
        object-fit: cover;
    }

    .video-grid {
        display: flex;
        flex-wrap: wrap;
        gap: 25px;
        justify-content: center;
    }

    .video-container {
        position: relative;
        width: 200px;
        height: 355px;
    }

    .video-container video {
        width: 100%;
        height: 100%;
    }
}
```

```

    object-fit: cover;
}

.video-info {
    position: absolute;
    bottom: 10px;
    left: 10px;
    color: white;
    background-color: rgba(0, 0, 0, 0.5);
    padding: 2px 5px;
    border-radius: 3px;
    font-size: 14px;
}

```

## JavaScript:

### Technical JS explanation:

The code makes the video upload functionality by adding event listeners to handle file selection and submissions. the user chooses the files by using the **"fileInput"** part, then **URL.createObjectURL** creates temporary URLs for the videos and displays these video elements in the **"videoPreviews"** container. After that, **event.preventDefault()** makes it so that the browser doesn't refresh automatically after a submission. It makes sure that there are a minimum of three videos uploaded, of the correct length and format each, and after validating them, it appends the uploaded videos with the username displayed on the top to the **"videoGrid"** container and displays them on the bottom of the site.

```

document.getElementById('fileInput').addEventListener('change',
function(event) {
    const files = event.target.files;
    const previewsContainer = document.getElementById('videoPreviews');
    previewsContainer.innerHTML = '';

    for (let i = 0; i < files.length; i++) {
        const file = files[i];
        const fileURL = URL.createObjectURL(file);

        const videoElement = document.createElement('video');
        videoElement.src = fileURL;
        videoElement.controls = true;
    }
}

```

```

        previewsContainer.appendChild(videoElement);
    }
});

document.getElementById('uploadForm').addEventListener('submit',
function(event) {
    event.preventDefault();

    const username = document.getElementById('username').value;
    const files = document.getElementById('fileInput').files;

    if (files.length < 3) {
        alert('Please upload at least 3 videos.');
```

```

        return;
    }

    const videoGrid = document.getElementById('videoGrid');
    for (let i = 0; i < files.length; i++) {
        const file = files[i];
        const fileURL = URL.createObjectURL(file);

        const videoContainer = document.createElement('div');
        videoContainer.className = 'video-container';

        const videoElement = document.createElement('video');
        videoElement.src = fileURL;
        videoElement.controls = true;

        const videoInfo = document.createElement('div');
        videoInfo.className = 'video-info';
        videoInfo.textContent = username;

        videoContainer.appendChild(videoElement);
        videoContainer.appendChild(videoInfo);
        videoGrid.appendChild(videoContainer);
    }
});

```

