Genearting Video Form

Full stack developer task 1.1

Background

Idomoo has an open Personalized Video Platform whose purpose is to build a data-driven personalized video.

Creating a personalized video with the Idomoo Storybuilder platform consists of

following steps: 1. Create Scene Library or Use an existing library

- Create. Export your After Effects project into IDM (Interactive Dynamic Movie) files using the Idomoo AE plug-in.
- Upload. Upload your scenes into a new scene library.
- Organize. Upload any dynamic content (images, audio, video) you would like
to use. For more information on how to create scene libraries, please [click here](#).

2. Organize Scenes to Create a Storyboard

Define the order of your scenes by dragging and dropping them from the scene library. For more information on how to organize scenes, please [click here](#)

3. Make the storyboard dynamic
Use the Story Builder to customize each scene including text, color schemes, values of static parameters, definitions for dynamic parameters* and configuring audio.
For more information on how to make your storyboard dynamic, please [click here](#). *Value for dynamic parameter is provided only at the video generation phase

4. Generate Videos Integrated data with the Storyboard.
The Story Builder supports generating videos in real-time API calls or by uploading a batch file (CSV UTF-8) that contains all the data to generate the videos. For more information on generating options, please [click here](#).

Task

Use the technology stack of your choice. Reveal the source code.
Using online tools and cloud solutions is highly recommended.

Create a web application that generates a video according to the data that the end user enters in a form. The video should be played on an Idomoo 2.0 player embedded into a landing page.

Use [Idomoo Generate API v2](#) that consists of two main APIs:

1. Metadata API: allowing to enquire about scenes, storyboards, accounts.
2. Generate API: allowing to generate a video by using either a pre-made storyboard or by editing scenes together on-the-fly.

Example can be found at:

[https://pv.idomoo.com/index.php#/api/15289/Travel%20 proposal%20 demo%20G2](https://pv.idomoo.com/index.php#/api/15289/Travel%20proposal%20demo%20G2)

Steps

1. As each video contains data drives elements first retrieve the needed elements by using storyboard metadata API.

   Use this to get a list of all the parameters in this storyboard.

   ```
   GET /storyboards/{storyboradId}
   ```

Note that elements can be text or images

2. Build the form accordingly
3. Generate the video using storyboard generation API in a [Developer Mode](#)

   ```
   POST /storyboards/generate
   https://usa-api.idomoo.com/api/v2/storyboards/generate
   ```

4. Check if the video is ready using the check status URL, as described
5. Display the video using Idomo's player 2.0
   Documentation can be found [here](#)

For design reference please see this link on zeplin: https://zpl.io/bLn3GDG

Security credentials

To create the value for the authorization header you need to:

1. Create a string from the account ID and API Secret Key with a colon (:) between them.
2. Take the string and base64-encode it.
3. Add the word Basic followed by a space before the encoded string.

   API Secret Key

   ```
   PiKQ1xfuKC22c1c5c0061af12a240e092d93ec6a47gmckwQGhp6
   ```

Storyboard ID: 31193
Account ID:3550

Note: Idomoo API calls are not available from client-side JavaScript due to CORS restrictions. You are expected to find a solution for this.