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| CAPSTONE PROJECT: Pamper yourself |
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# Overview

## Project background and description

This app will focus around pampering yourself and videos that will help you do that. It will use API’s of video clips for things such as how to do new hair-do’s, do’s & don’ts of current make-up, and skin care routines. The app will allow for saving, categorizing, and adding notes to each video as you watch them. This will allow for returning to previously watched videos, favorites, or categories/notes of the videos that have checklist abilities to easily find and group as you see fit. Essentially, this app is to help organize videos that have already been viewed, that will be referred to again in the future.

## Application Showcase Focus

The application will focus on the back-end development. There will be some front-end development for essential use, but the main showcase will be the back-end development.

## Specifications

1. Tech-Stack:
   1. HTML, CSS, Python, Node.JS, Express.JS, PostgreSQL.
2. API’s:
   1. YouTube API: <https://www.googleapis.com/youtube/v3>
   2. Manually Generated API on PostgreSQL to keep data organized on from YouTube API that is not available as a YouTube resource.
3. Presentation:
   1. This application will be displayed for website use.
4. Goal:
   1. Collect data from the YouTube API, add it to the PostgreSQL database along with notes and categories for the ability to quickly and easily sort through already-watched videos for quick choices at the time of re-watching.

## Demographic of Users

1. User Group 1: Age: Teens through high school, female
   1. Learning how to do hair, make-up, nails
2. User Group 2: Age 30-45, female
   1. Looking for new styles, staying with new fashions, finding new products on the market

## Data

After looking at a video, the user will be able to fill out a form describing all of the data collection information that is shown below. This will categorize the video choices. Then, when the user comes back, to decide to try a new hair style, they will be able to update the entry with information such as how long it took, and if they needed bobby-pins. This should reduce the time to look over videos over again that may have been reviewed before.

1. Username
2. Password
3. Nickname
4. Video id’s from YouTube
5. Categories for Video Type: Hair, Make-Up, Skin Care
6. Sub-Categories:
   1. From Hair(preset):
      1. Elegant Events, Night Clubbing Hair, Casual-Daytime, Specialized Hair
   2. From Nails (preset):
      1. General Nail Care, Tips on painting, Specialized Tricks,
   3. Skin Care (preset):
      1. Products to remember, routine, tips
7. Pamper Time: How long it actually takes to perform this task
8. Tools, Products, Etc.
   1. Products needed to do this task, Tools needed to do this task
9. Performed Task Before:
   1. Yes/No
10. Task Difficulty Level:
    1. Low, Medium, Hard

## Potential Issues with API’s

Collecting the video links from YouTube and using them on this application may cause some setbacks. It is unclear if there will be extensive additional coding required to manage the videos from YouTube.

## Sensitive Information

The sensitive information will be the username, password. This will have proper execution of JSON Web Token usage to protect the user’s account and password.

## Stretch and Future Goals

The application may be expanded to other types of data. This may expand the database categories. Also, it would be favorable to create custom categories. The user may need extra options. Also, the videos that are categorized as “Disliked” could be used during the filtering process when looking for new videos to add to the database.