CAD – PHASE 3 ASSIGNMENT

DEVELOPMENT PHASE 1

Design a simple web interface where users can upload images and view the AI-generated captions.

Here are the step-by-step instructions to create a simple web interface for users to upload images and view AI-generated captions.

Step 1: Create an IBM Cloud Account

Step 2: Log into IBM Cloud





Step 3: Set Up the Visual Recognition Service

- Once you are logged in, go to the IBM Cloud Dashboard.
- Click on "Create Resource" to create a new service.
- In the search bar, type "Visual Recognition" and select the "Visual Recognition" service from the catalog.
- Follow the prompts to create the service. You may need to choose a region and give your service a name.

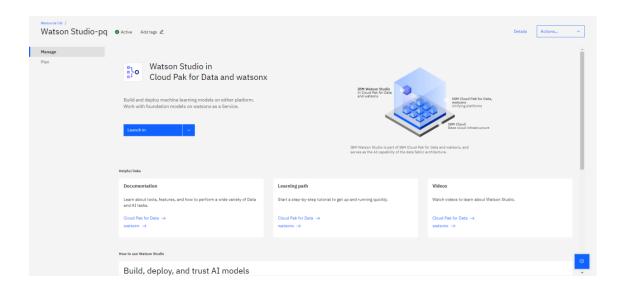
Step 4: Obtain API Keys

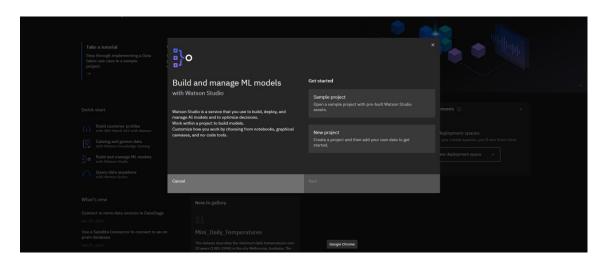
function uploadImage() {

const fileInput = document.getElementById('imageInput');

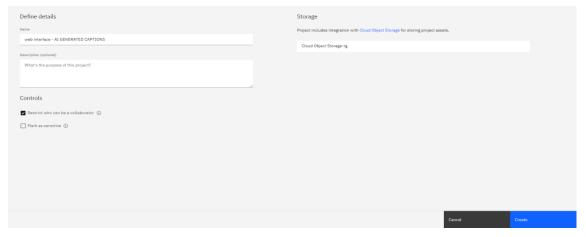
```
const imageContainer = document.getElementById('imageContainer');
       const captionContainer =
document.getElementById('captionContainer');
      if (fileInput.files.length > 0) {
         const imageFile = fileInput.files[0];
         const formData = new FormData();
         formData.append('images file', imageFile);
         fetch(apiUrl + '/v3/classify?version=2022-01-01', {
           method: 'POST',
           headers: {
              'Authorization': 'Basic ' + btoa('apikey:' + apiKey)
           body: formData
         .then(response => response.json())
         .then(data => {
           // Display the uploaded image
           const imageUrl = URL.createObjectURL(imageFile);
           const imgElement = document.createElement('img');
           imgElement.src = imageUrl;
           imageContainer.innerHTML = ";
           imageContainer.appendChild(imgElement);
           // Display the AI-generated captions
```

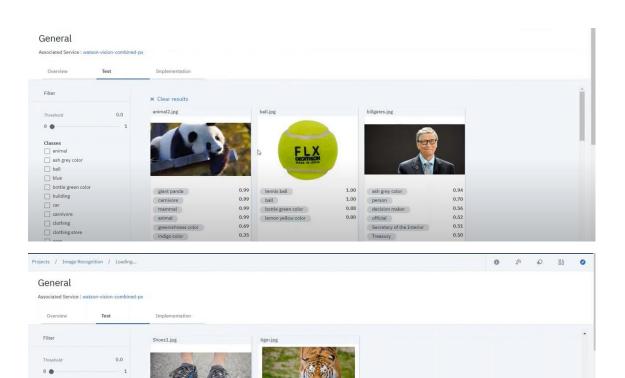
Step 6: Integrate the Visual Recognition API





New project





0.98

0.97 0.97

0.97 0.78

0.75

animal

0.80 big cat
0.78 tiger
0.70 light brown color

0.84 carnivore 0.84 feline

mammal

0.84

ash grey color

lever bar sports equipment

foot pedal

clothing

Classes
adult person
animal
ash grey color

☐ ball ☐ bar

□ beige color
□ Bengal tiger
☑ big cat

blue bottle gre