Project 4: Image Recognition with IBM Cloud Visual Recognition

Phase 1: Problem Definition and Design Thinking

In this part you will need to understand the problem statement and create a document on what have you understood and how will you proceed ahead with solving the problem. Please think on a design and present in form of a document.

Problem Definition: The project involves creating an image recognition system using IBM Cloud Visual Recognition. The goal is to develop a platform where users can upload images, and the system accurately classifies and describes the image contents. This will enable users to craft engaging visual stories with the help of AI-generated captions, enhancing their connection with the audience through captivating visuals and compelling narratives.

Design Thinking:

1. Image Recognition Setup: Set up the IBM Cloud Visual Recognition service and obtain the necessary API keys.

2. User Interface: Design a user-friendly interface for users to upload images and view the AI-generated captions.

3. Image Classification: Implement the image classification process using the IBM Cloud Visual Recognition API.

4. AI-Generated Captions: Integrate natural language generation to create captions for the recognized images.

5. User Engagement: Design features to allow users to explore, save, and share their AIenhanced images.