

CAD_PHASE_5_ASSIGNMENT

DEPLOYMENT INSTRUCTIONS

Deploying the Image Recognition System

- **Clone the Repository:**

Start by cloning the project's GitHub repository to your local machine using the following command:

```
git clone <repository_url>
```

This command will create a local copy of the project on your computer.

- **IBM Cloud Setup:**

If you don't have an IBM Cloud account, you can sign up for one. Once you're logged into your account:

- **Access the IBM Cloud Visual Recognition Service:**

IBM Cloud provides the Visual Recognition service, which our image recognition system relies on. You can access this service through the IBM Cloud dashboard.

- **API Key and Endpoint:**

After creating an instance of the Visual Recognition service, you need to obtain your API key and endpoint. These credentials are necessary for making API requests to the Visual Recognition service.

- **Configuration:**

Within the project's files, look for a settings or configuration file (typically in the project's root directory).

Open this file in a text editor. You should see fields for the API key and endpoint.

Update the configuration with the API key and endpoint you obtained from the IBM Cloud Visual Recognition service

- **Install Dependencies:**

The image recognition system relies on specific Python libraries and packages. To install these dependencies, open your terminal and navigate to the project's root directory. Then run the following command:

```
pip install -r requirements.txt
```

This command will install the necessary Python packages specified in the requirements.txt file.

- **Launch the Web Application:**

Once you've configured the project and installed the dependencies, you can start the web application. In your terminal, execute the following command:

```
python app.py
```

This command will launch the web application locally.

- **Access the System:**

Open your web browser and type the following URL into the address bar:

<http://localhost:5000>

Press Enter, and you should now have access to the image recognition system via the web interface.

By following these detailed deployment instructions, We'll be able to set up the image recognition system on your local machine with IBM Cloud integration and access it through the web interface.