**PHASE 3 DEVELOPMENT PART 1**

**1.Create an IBM Cloud Account:**

If you haven't already, create an IBM Cloud account at https://cloud.ibm.com/.

**2.Create an IBM Cloud Visual Recognition Service:**

* After logging in, go to the IBM Cloud Dashboard.
* Click "Create Resource" and search for "Visual Recognition."
* Follow the prompts to create an instance of the Visual Recognition service.

**3.Obtain API Key:**

* Once your service instance is created, navigate to the service dashboard.
* Find and note down the API key and URL, which you'll need to -access the service programmatically.

**4.Develop a Web Interface:**

* Create a web interface where users can upload images. You can use HTML, CSS, and JavaScript for this.
* Implement a form to allow users to select and upload images.
* Integrate IBM Visual Recognition API:
* In your web application's code, make API requests to the Visual Recognition service.
* You can use libraries or SDKs provided by IBM to simplify the integration.

**5.Analyze and Retrieve Results:**

* Use the Visual Recognition API to analyze the uploaded images.
* Retrieve the AI-generated captions, tags, or other relevant information about the images.

**6.Display Results:**

* Present the AI-generated captions or tags on your web interface for users to view.
* Test and Refine:
* Thoroughly test your application to ensure it works as expected.
* Make any necessary refinements or improvements.
* Secure Your API Key:
* Keep your API key and credentials secure to prevent unauthorized access to your service.

**7.Scale and Deploy:**

Depending on your needs, you may need to scale and deploy your application to a web server or a cloud platform.

This is a high-level overview, and the actual implementation will require coding and web development skills. You should refer to IBM's official documentation for Visual Recognition for more detailed information on using their service in your application.