**Goal:** Build a program that separates text and visual elements from image.

**Assignment Breakdown:**

* **Image Analysis:** The program will leverage any available Vision API to analyze the uploaded image.
* **Text Extraction:** The program will utilize the Optical Character Recognition (OCR) capabilities of the chosen API to extract all text content within the image.
* **Visual Element Segmentation:** Basic image segmentation techniques will be implemented to potentially isolate individual visual elements present within the main image.

**Deliverables:**

* **Functional Program:** A working program that achieves the core functionalities mentioned above.
* **Detailed Report:** A well-structured report documenting your approach, the chosen technologies used, the implementation details, and any challenges encountered during development.

**Bonus for Advanced Functionality:**

While not required, bonus points will be awarded for the following:

Basic HTML structure to sort the extracted content into appropriate tags like paragraphs (<p>) and creating and embedding static images of visual elements using <img> tags would be an impressive extra achievement.

**Out of Scope:**

**Complex Layouts and Designs:** The program will not handle complex layouts or intricate designs within the images.

**Advanced Chart Detection and Conversion:** The primary focus is on text extraction. Basic chart detection can be attempted, but advanced conversion functionalities are not required.

**User Interface (UI):** A simple command-line interface or a basic web interface for uploading images will suffice for user interaction.

Please let me know if you'd like to adjust the complexity of the assignment. You can also message me on WhatsApp at +91-9611909523 if you have any questions, for faster communication!