

Web Page Generator

UML Diagrams

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Collaboration Diagram:

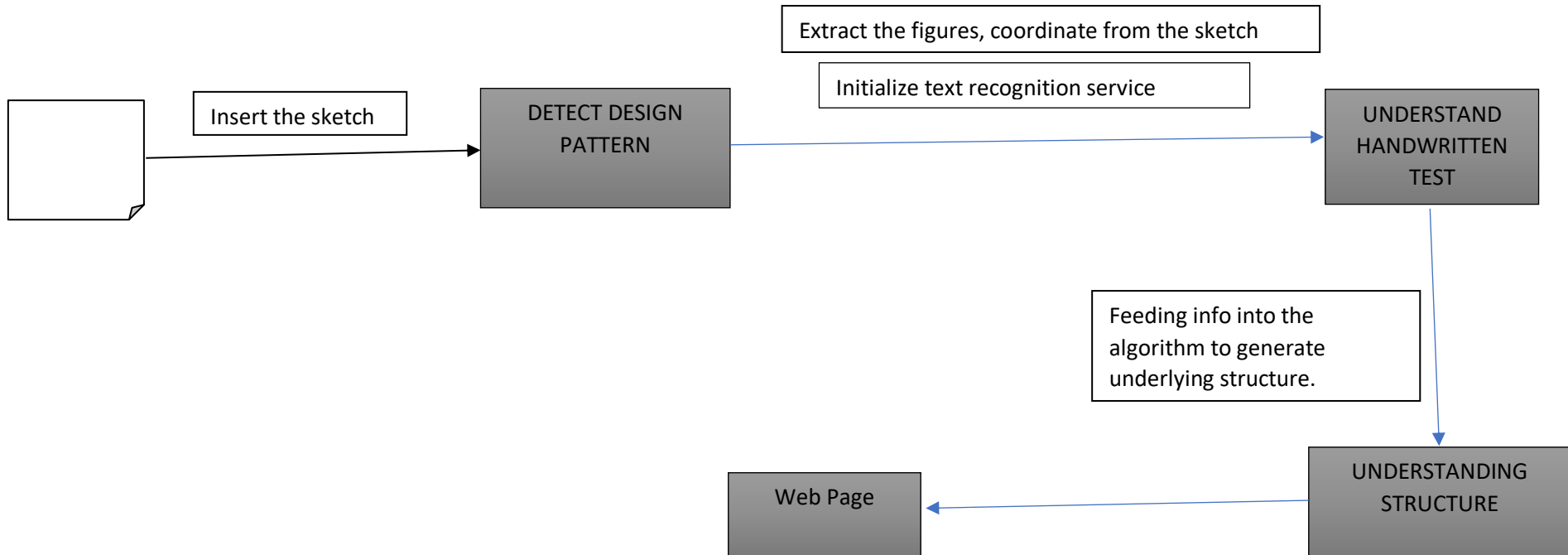
FLOW OF EVENTS:

1. Brief Description: Transform any hand drawn user input (Web page model) into its corresponding Web page using image processing techniques and artificial intelligence models.
2. Pre-conditions: The sketch should be made on a white sheet of paper. The sketch should consist of text and the text should be in capital letters.
3. Event flow:

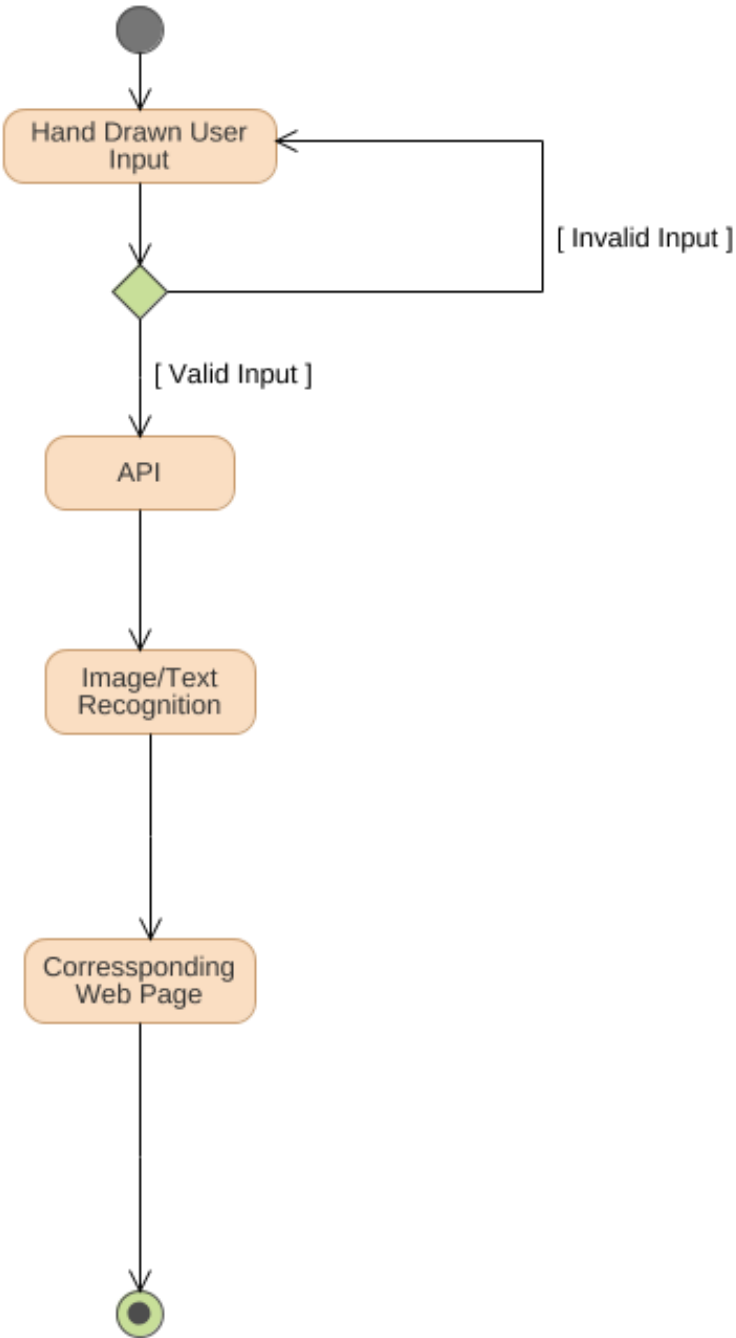
PRIMARY FLOW

- a) Detect Design Patterns: A custom vision model trained to perform object recognition against handwritten drawn patterns is used to detect meaningful design elements into an image.
- b) Understand Handwritten Text: Each detected element is passed through a Text recognition Service to extract handwritten content.
- c) Understand Structure: The information of the detected objects and their position inside the image is fed into an algorithm that generates the underlying structure.
- d) Build webpage: A valid webpage file is generated accordingly to the detected layout containing the detected design elements.

COLLABORATION DIAGRAM



Activity Diagram:



State Chart Diagram:

