**System Architecture:**

* Webcam: captures live video feed of hand gestures.
* MediaPipe: a computer vision module that utilizes the Hands library for hand detection and tracking landmarks.
* GUI: displays the current manga chapter to inform the user.
* A web browsing module controls the web browser to open, close, and navigate between manga chapters.
* PyAutoGUI: enables control of mouse and keyboard for scrolling and other actions.

**Algorithms and Techniques**:

1. Web Scraping for Manga Chapter Links
   1. To retrieve the manga chapter links from the desired website, this program utilizes web scraping techniques. The BeautifulSoup library enables this to work as it can parse the HTML content of the manga website.
2. Detecting Hands and Landmark Tracking
   1. The MediaPipe Hands library uses machine learning models that are trained to detect the joints and fingertips of a hand and store them as landmarks.
3. Gesture Recognition
   1. This program recognizes gestures based on the orientation (angle) and the space and movements of hand landmarks. As MediaPipe can accurately track which finger is open as well as how the hand is angled, we can use logic to map these gestures to specific actions.
4. Interaction with Web Browser
   1. This program uses the ‘webbrowser’ module in Python. When a gesture is recognized to open or close a link, the system can open or close the corresponding manga chapter in the web browser. Furthermore, the ‘pyautogui’ library allows for more controls such as scrolling up and down along with the speed of the scroll.

**Hardware Requirements:**

* A computer/laptop with a camera
* Internet connection

**Software Requirements:**

* Python
* OpenCV library
* MediaPipe Hands library
* PyAutoGUI library
* BeautifulSoup library
* Tkinter library
* A web browser (Chrome, Firefox, Brave)