Air Canvas Drawing in Air using AI

**Sample of Requirement Gathering**

**Requirements:**

**User Interface:**

* The user interface should be intuitive and easy to use, with clear instructions on how to interact with the system.
* Users should be able to start and stop drawing at any time using a simple gesture.
* Users should be able to switch between different drawing tools (e.g., pen, brush, eraser) using gestures.
* Users should be able to adjust the thickness and color of the stroke using gestures.

**Hand Recognition:**

* The hand recognition technology should be accurate and reliable, able to track the movement of the user's hands in real-time.
* The system should be able to recognize different hand gestures and translate them into the corresponding actions in the drawing application.
* The hand recognition technology should work in various lighting conditions and with different hand sizes and shapes.

**Performance:**

* The system should be fast and responsive, with minimal lag between the user's hand movements and the strokes on the canvas.
* The system should be able to handle multiple users drawing simultaneously without significant performance degradation.

**Hardware:**

* The system should work on a variety of hardware platforms, including laptops, desktops, and mobile devices.
* The system should be able to work with a range of cameras, including built-in laptop cameras and external webcams.

**Software:**

* The drawing application should be optimized for performance on the target hardware.
* The hand recognition technology should be implemented using state-of-the-art computer vision algorithms and machine learning techniques.