| **ID** | **User Story** | **Priority** |
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| MA-01 | As a user, I want to start and stop finger tracking easily on the mobile application. | High |
| MA-02 | As a user, I want to set up the camera and LED gloves for gesture tracking. | High |
| MA-03 | As a developer, I want to manage device and server-related errors during setup. | Medium |
| VR-01 | As a user, I want to view my 3D hand movements in VR/AR. | Low |
| VR-02 | As a user, I want to monitor real-time hand tremors and calibration data in VR/AR. | Low |
| VR-03 | As a developer, I want to ensure the camera and LED gloves integrate seamlessly with VR/AR. | Low |
| IP-01 | As a user, I want to start and stop real-time gesture recording. | High |
| IP-02 | As a developer, I want to enhance image quality with sharpening and noise reduction. | High |
| IP-03 | As a developer, I want to output the processed gesture data in a format ready for machine learning processing. | Medium |
| ML-01 | As a developer, I want to apply sharpening and noise reduction to gesture data. | High |
| ML-02 | As a developer, I want to apply Kalman Filters and spline interpolation to smooth gesture paths. | High |
| ML-03 | As a developer, I want to use a hybrid LSTM-CNN model to recognize movement patterns. | High |
| ML-04 | As a developer, I want to optimize the machine learning model for mobile and VR/AR. | Medium |
| DV-01 | As a user, I want to see my virtual writing rendered in 3D for accurate feedback. | Medium |
| DV-02 | As a developer, I want to use OpenGL for real-time visualization of hand movements in VR/AR. | Medium |
| QA-01 | As a developer, I want to test the application for performance, accuracy, and stability across all modules. | High |
| QA-02 | As a developer, I want to ensure proper error handling across all modules. | High |