Based on our analysis and understanding of the project's quality management, we can develop a list of eight quality standards to meet the stakeholder expectations properly.

Functionality: The system must perform all specified functions to meet the stakeholders' needs. In our facial recognition attendance system, we have multiple function modules, such as face recognition, attendance recording, user management, and automatic attendance statistics modules. All these function modules can be processed within expectations.

Features: The system must have special features appealing to users to stand out from other system projects. Our system’s primary feature is message-pushing on the WeChat app module, enabling the administrator to oversee the attendance statistics. And the secondary feature is the Face ID modules to improve efficiency.

System output: Statistics generated by the system must be clear, accurate, and understandable. Our system’s statistics panel can provide attendance figures correctly.

Reliability: The system should operate stably under both normal and abnormal conditions. Our system can operate stably and smoothly.

Performance: The system should meet expected performance criteria, such as loading time requirements and the ability to handle more users. When users check-in, the response time will not exceed 1s.

Maintainability: The system should be easy to maintain and operate. Our system can operate stably.

Usability: The system should be intuitive and easy to use, allowing users to operate it without extensive training. Our system has a user-friendly front view, enabling all users to get quickly and easily started.

Security & Privacy: The system must protect user data against unauthorized access and other security threats. Our system is deployed on a local network, so there is no need to worry too much about security. Users’ facial privacy information will be managed by the facial database, ensuring security and privacy.

Based on the list created for Task 1, We will assess our progress based on Task 1's checklist across several key areas.

Functionality: Our designated developers developed the modules according to the Gantt chart timeline. After development, our testing engineers will evaluate these modules to confirm they meet our standards.

Output: Our testing will engage with the system by performing registration and check-in procedures to observe figure changes shown in the statistics dashboard.

Usability: Our test engineers have examined how transplantable the system operates across multiple web browsers, ensuring a harmonious user experience.

Security & Privacy: Our test engineers will verify the system's ability to securely store and delete facial identification data from our registration library, protecting user's privacy right.

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Responsibility Assignment Matrices

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