

Design Document: Success Measurements

High-Level Business Objective	Success Metric	Target Value / Benchmark	Measurement Method
Improve parent communication and task completion	Parents can complete key daily tasks quickly and successfully.	At least 90% task completion rate during testing for login, attendance, pickup, and weather-check tasks.	Task-based usability testing, observation, and completion logs during development.
Reduce friction in everyday parent tasks	Core parent tasks take less time and less repeated data entry than older message-based workflows.	Parents complete the main workflow tasks in 60 seconds or less during testing.	Time-on-task testing, walkthroughs, and direct observation of user flows.
Create a clear and organized parent-facing experience	Users can navigate the app without confusion and understand where to go for common tasks.	Most test users can locate the correct feature on the dashboard without assistance.	Usability testing, navigation observation, and informal user feedback.
Support reliable account and data functionality	Authentication and data submission features work consistently without major failures.	At least 95% success rate for login, signup, Firestore read/write actions, attendance submissions, and pickup submissions during testing.	Firebase Authentication results, Firestore logs, repeated functional testing, and manual test records.
Help parents make better morning preparation decisions	The weather feature gives practical, school-specific guidance that parents can use.	Users report that the weather screen helps them decide how to dress or prepare their child more confidently.	User feedback, short reflection questions, and observation during weather-related task testing.
Provide a strong foundation for future family updates and photo sharing	The photo feed displays post content and post-specific images correctly using Firebase Storage and Firestore.	Photo feed posts load successfully, grouped image previews display correctly, and the full-screen viewer works as expected during testing with Firebase-hosted images.	Functional testing, Firebase Storage and Firestore verification, screen review, and interaction testing of the feed, image previews, and full-screen viewer.

Note: These measurements are based on the completed capstone scope, which is focused mainly on the parent-facing experience. Admin-side features and full Firebase Storage integration were explored, but they are not the main basis for evaluating the success of the finished version.