Cogent Requirements

The validated functional scope is represented in the Use Case Diagram (Appendix B), which maps the actors to the core use cases.

Reqrs ID	Rationale
BR-01	Standard loyalty integration. Is atomic with no undue complexity or listed items.
BR-02	Core scanning functionality. Used the appropriate Imperative "must" for essential.
BR-04	The "one-hand use" constraint provides a clear metric for UI/UX testing.
BR-05	The requirement is testable. Passing/failing a push trigger is verifiable
BR-07	Not Compound. Logical extension of BR-05, ensuring atomicity.
TR-01	Specifically addresses data residency and latency needs
TR-02	RESTful architecture is atomic and without undue complexity or excessive continuance.
TR-03	Used the appropriate imperative shall as Azure SQL with backups is a critical backend infrastructure requirement.
TR-05	Feasible as Android 6.0 is a realistic baseline for the target budget device.
TR-10	AES-256/TLS 1.2+ is substantively valid. Aligns with Singapore PDPA policy.
TR-13	Secure password reset aligns with industry standards for security, making it verifiable and feasible.