# Project Methodology Phases for SecureIt Password Manager

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| Phase | Key Activities | Outputs |
| Sprint 0 – Planning & Requirements | Stakeholder interviews, competitor analysis, threat mapping | Product backlog; sprint roadmap; Definition of Done |
| Development Sprints | Test-driven coding, CI/CD pipeline execution, automated SAST/DAST, peer code reviews | Incremental features (UI, vault, real-time engine) fully security-tested |
| Security Integration & Testing | Crypto unit tests, fuzzing, penetration testing, privacy-impact reviews | Verified, hardened builds ready for UAT |
| User-Experience (UX) Validation | Prototype walkthroughs, usability labs, accessibility audits | Refined UI/UX, updated backlog items |
| Deployment & Continuous Improvement | Staged roll-outs, telemetry monitoring, blue-green releases | Production release; feedback loop to backlog |