**Documents still required:**

* implementation document
* data schema documentation
* architecture artifacts
* security document
* devOps document
* running costs
* Change management
* Appendecies

**📌 Additional Documents to Include (Suggested by Chat)**

**1. System Design Specification (SDS)**

* A deep dive into system components, data flow, and module interactions.
* Can include **UML diagrams** (class, sequence, component diagrams).

**2. API Documentation**

* If your system exposes APIs, include details about endpoints, request/response formats, authentication, and error handling.
* Helpful for developers and future integrations.

**3. Testing & Quality Assurance Document**

* Test strategy (unit, integration, system, UAT).
* Test cases & acceptance tests.
* Defect tracking & resolution process.

**4. Risk Assessment & Mitigation Plan**

* Identify potential risks (technical, security, cost, compliance).
* Provide mitigation strategies and contingency plans.

**5. Compliance & Governance Document**

* Addresses compliance with **data protection laws (POPIA, GDPR, HIPAA, etc.)**.
* AWS shared responsibility model considerations.

**6. Monitoring & Logging Strategy**

* How system health will be tracked (CloudWatch, X-Ray, GuardDuty).
* Logging & alerting strategy for proactive issue detection.

**7. Backup & Disaster Recovery Plan**

* Data backup policies.
* RTO (Recovery Time Objective) & RPO (Recovery Point Objective).
* AWS services used (e.g., S3 backup, multi-region replication).

**8. Performance & Scalability Plan**

* Load testing approach.
* Auto-scaling strategies.
* Cost-performance tradeoffs.

**9. Deployment & Release Management Document**

* CI/CD pipeline details (AWS CodePipeline, GitHub Actions, etc.).
* Release versioning strategy.

**10. Knowledge Transfer & Training Plan**

* Documentation for onboarding new developers.
* Training material for stakeholders and admins.

**11. Post-Implementation Review / Lessons Learned**

* To be completed after deployment.
* What worked well, what didn’t, and recommendations for future projects.