AWS Tender Tools – Appendices

# Appendix A: Project Management Documents

## A1. Product Backlog

See attached full backlog document: AWS Tender Tools Product Backlog.docx.

This backlog includes 36 items with user stories, priorities, and implementation notes.

## A2. Development Timeline

See attached development deadlines document: AWS Tender Tools Deadlines.docx.

This document outlines all project phases, task allocations, and deadlines.

## A3. Change Management Log

Template for recording changes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Change ID | Description | Reason | Impact | Status |

# Appendix B: Technical Documentation

## B1. System Architecture Diagram

The architecture diagram illustrates the integration of AWS services (Lambda, API Gateway, S3, RDS/PostgreSQL) with Firebase and Firestore. [Insert diagram image here].

## B2. Wireframes & Mockups

See attached mockup document: AWS Mock up Screens.docx.

This includes screens for Home Page, Tender Page, Tender Description, About Us, Contact Us, Login, and Sign Up.

## B3. Database Schema

PostgreSQL and Firestore structures used to store tender and user data. [Insert schema diagram or table structures here].

# Appendix C: Research & Costing Evidence

## C1. AWS Pricing Evidence

Estimated AWS monthly costs (beyond free tier):

|  |  |  |  |
| --- | --- | --- | --- |
| Service | Details | Estimated Cost (USD/month) | Notes |
| AWS Lambda | ~3M invocations/month | $2.73 | Scales with usage |
| API Gateway | ~1M API calls/month | $3.50 | First 1M free |
| S3 Storage | 50GB documents/backups | $1.15 | $0.023/GB beyond free |
| RDS/Postgres | db.t3.micro | $15–30 | Depends on scaling |
| CloudWatch | Logs & metrics | $5–20 | Depends on usage |
| Route53 Domain | Domain + SSL | $1/month | Annual cost ~$12 |

## C2. Tooling References

Tools used in the project:

* Figma – for UI/UX design
* Trello – for task tracking and backlog management
* Firebase (Auth & Firestore) – for authentication and data storage
* PostgreSQL – relational database for tenders
* Microsoft Teams – for meetings and collaboration
* Google Drive & OneDrive – for document storage and sharing
* WhatsApp – for quick team communication

# Appendix D: Team & Collaboration Evidence

## D1. Team Roles & Responsibilities

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Role(s) | Expertise | Accountability |
| Keenan Ghisyan | Group Leader, Project Manager, Backend Engineer | Project management, backend systems | Ensures delivery, manages tasks, leads backend dev |
| Aisha Bilal Jakhura | Co-Group Leader, Technical Lead, Data Engineer | System architecture, databases | Provides technical direction, designs data solutions |
| Muhammed Ameer Amed | Front-End Engineer, UI Lead | Frontend frameworks, UI/UX design | Leads UI development |
| Khatija Moosa Amod | Scrum Master, Front-End Developer | Agile facilitation, frontend coding | Manages sprint progress |
| Shreya Naidoo | Business Analyst, Front-End Developer | Requirements analysis, frontend coding | Bridges business and technical needs |
| Varun Perumal | Support Analyst | Testing, documentation | QA support, documentation, troubleshooting |

## D2. Collaboration Evidence

Collaboration tools included Trello, Microsoft Teams, and WhatsApp. Evidence such as screenshots of Trello boards, Teams meetings, and WhatsApp group chats can be inserted here.