Project Charter

Alpha Solutions Inventory Management System
Track Better. Manage Faster. Grow Bigger

Project Title

Alpha Solutions – Cloud-Based Inventory Management System

Project Sponsor

Shaheer Ahmed , CEO, Alpha Solutions

Project Manager

Shaheer Ahmed , IT Project Manager , Alpha Solutions

Project Purpose and Justification

The purpose of the **Alpha Solutions Inventory Management System** project is to build a scalable, cloud-based solution that empowers businesses—especially e-commerce operations—to manage their inventory efficiently, accurately, and in real time. Currently, many businesses rely on **outdated methods** like **spreadsheet**s or **fragmented tools** that lead to **stock inaccuracies**, **operational delays,** and **poor decision-making.** This system will centralize inventory data, improve visibility, and **streamline operations leading to better supplier coordination**, **lower costs,** and **increased customer satisfaction.**

Project Objectives

- Deliver a responsive, cloud-based web application within **4 months**
- Enable real-time tracking of **products, categories, suppliers, and stock statuses**
- Ensure **24/7 system availability** with a minimum uptime of **99.5%** in the first **6 months.**
- **Maintain 99% system** uptime during business hours.

High-Level Requirements

- Dashboard with real-time metrics (**total products, quantity, profit, etc.).**
- Product and category **management modules**.
- Role-based **user authentication** and account management.
- Support and contact module with **feedback collection**.
- **Option** for future API and **e-commerce platform integrations**.

- **Product Management** Add, edit, delete, and search products.
- **Track** quantity, status, pricing, and profitability.

Assumptions

- Target users will have access to **reliable internet connections**
- Businesses will prefer a cost-effective, cloud-based solution
- Target businesses will have access to **basic internet** and **devices** (laptops, desktops, tablets.
- All required internal resources (developers, testers, designer) will be **available** as planned.

Constraints

- Total development budget capped at **PKR 15,000**
- **Development and deployment** must be completed using **free tools**
- Small team (1 developers, 1 UI/UX designer) working full time.
- Must l**aunch** within **4 months** from project initiation.

Major Milestones

- **Start Date:** July 26, 2025
- **Requirement Gathering Complete :** August 15, 2025
- **UI/UX Design Finalized :** September 1, 2025
- **Development Complete :** October 1, 2025
- **System Testing & Bug Fixing Complete :** October 15, 2025
- **Public Launch :** October 30, 2025
- **Post-launch Maintenance & Feedback Cycle :** November 5 ,2025

High-Level Risks

- **Data privacy** and **security vulnerabilities** during cloud deployment.
- Downtime risks due to **reliance on free hosting services**.
- Competition from established inventory management platforms.
- Difficulty **integrating third-party** services in future upgrades.

Key Stakeholders

- **Project Sponsor:** Project Manager – Alpha Solutions
- **Project Manager:** Shaheer Ahmed – Alpha Solutions
- **End Users:** Small business owners, inventory managers, and e-commerce sellers
- **Developers:** Alpha Solutions internal software team
- **UI/UX Designers:** Internal team member of Alpha Solutions
- **QA Team:** Internal team testers

Approved by:

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Shaheer Ahmed
Project Sponsor and Project Manager – Alpha Solutions