

Inventory Management System (IMS)

Needs Assessment & Business Case

1. **Introduction / Background:** The Inventory Management System (IMS) project is planned to fix problems in how businesses manage stock, track products, and keep inventory records. Many companies still use manual methods or separate systems, which can cause mistakes, delays, and higher costs. IMS will give a single, reliable solution for managing inventory.
2. **Business Goals**
 - Make inventory records more accurate
 - Reduce stock shortages and extra stock
 - Improve work efficiency
 - Help make better decisions with up-to-date inventory information
3. **Current Situation and problem/opportunity statement:** Tracking inventory is slow and often has mistakes because records are kept by hand and not updated in real time. This is a chance to create an automated system that saves time, reduces losses, and makes customers happier.
4. **Critical Assumptions and Constraints**
 - Users know basic computer skills
 - Necessary computers and internet are available
 - Management supports the project

Limits: - Small project budget - Fixed timeline (school/academic schedule) - Small development team

5. Analysis Options and Recommendation

- Option 1: Keep using manual inventory (cheap but risky)
- Option 2: Buy ready-made software (medium cost, less flexible)
- Option 3: Build a custom IMS (more work, best fit)

Recommendation: Option 3 is recommended because it meets the business needs and can be customized.

6. Preliminary Project Requirements

- Manage products and stock
- Record stock coming in and going out

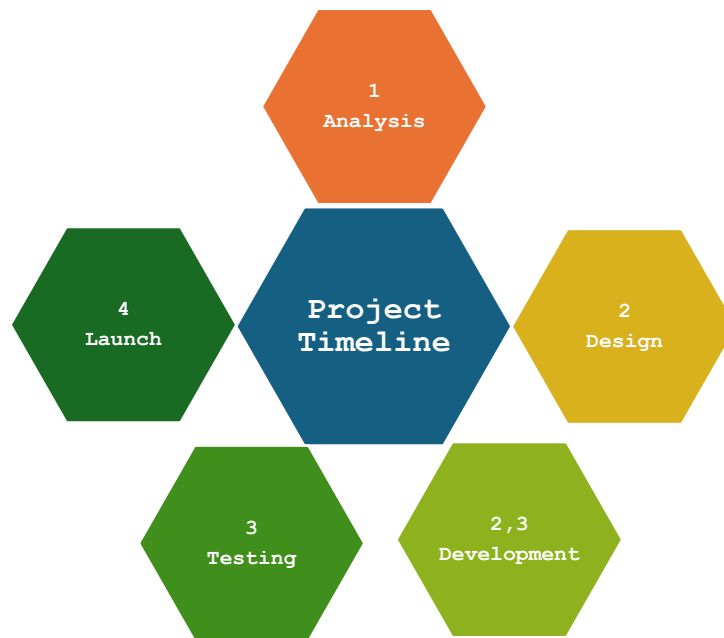
- Send alerts for low stock
 - Provide simple reports
7. **Budget Estimate:** The estimated cost covers software development, testing, and launching the system. The cost is moderate, good for a small-to-medium project.
8. **Timeline Estimate:** The project should take about 3–4 months, including analysis, design, development, testing, and launch.

9. Possible Risks

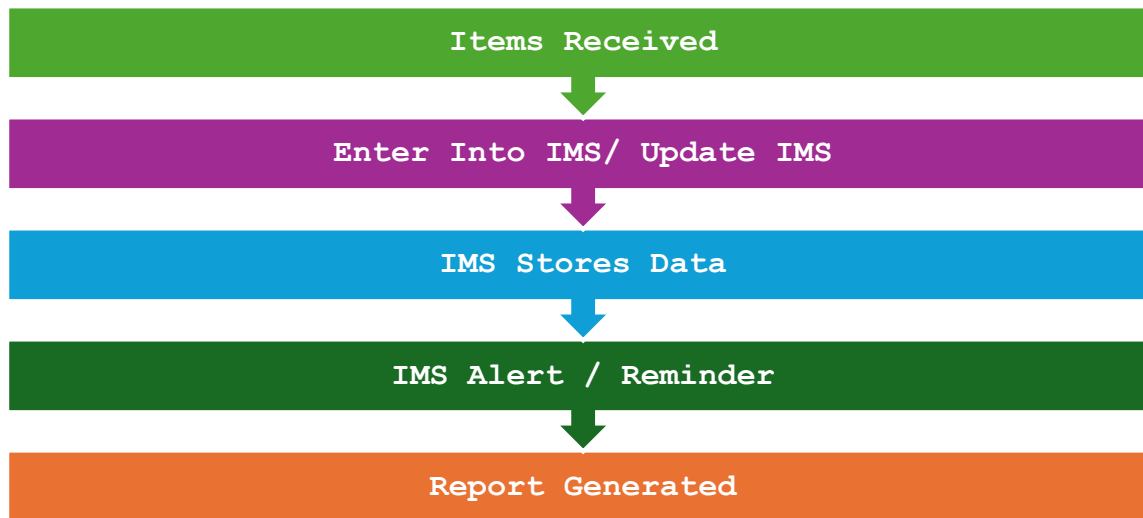
- Users may resist changes
- Delays in the schedule
- Requirements might not be clear

10. Exhibits

Project Timeline (3–4 Months)



System Overview



Identifying and Engaging Stakeholders

11. Stakeholder Register

Stakeholder	Role	Interest	Influence
Project Sponsor	Provides money and approval	High	High
Project Manager	Oversees the project	High	High
Inventory Manager	Uses the system and manages processes	High	Medium
Store Staff	System users	Medium	Low
Development Team	Builds the system	High	Medium

12. Stakeholder Assessment

- High Power / High Interest: Project Sponsor, Project Manager
- High Power / Low Interest: Senior Management
- Low Power / High Interest: Inventory Manager, Store Staff
- Low Power / Low Interest: External observers