Practical Assignment #1

PART A:

1. Requirements table:

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| --- | --- | --- | --- | --- | --- | --- |
| ID | Module | Functional / Non-Functional | Description | Priority | Risk | Status |
| 1 | Inventory | Functional | The system MUST support adding, removing, and updating inventory items. | High | Low | Done |
| 2 | Inventory | Functional | The system SHOULD allow tracking of stock levels and trigger low stock warnings based on thresholds. | High | Medium | In Progress |
| 3 | Inventory | Functional | The system CAN allow generating reports of low stock items by category. | Medium | Low | Not Started |
| 4 | Inventory | Functional | The system MUST integrate with suppliers for reordering stock when levels are low. | High | High | Not Started |
| 5 | Inventory | Non-Functional | The system SHOULD support multi-user access with roles and permissions. | Medium | Medium | In Progress |
| 6 | Inventory | Functional | The system SHOULD allow setting minimum quantities for automatic restocking. | High | Low | Done |
| 7 | Reporting | Functional | The system MUST allow generating periodic inventory reports for management. | High | Low | Done |

Why can't it be implemented?

3. This will be implemented after the core inventory management features are fully implemented. It requires more time and integration.

4. Integration with external suppliers will require API access and testing which is scheduled for a later phase of the project.

5. Permissions and roles management requires additional user management infrastructure, which will be built in later phases.

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Open Questions:

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| # | Topic | Open Question |
| 1 | |  | | --- | | Supplier Integration | | |  |  |  | | --- | --- | --- | | |  | | --- | | Should the system automatically create orders for suppliers when stock is low or manually? |  |  | | --- | |  | |  |  | | --- | |  | |
| |  | | --- | | 2 |  |  | | --- | |  | | Reporting | |  | | --- | | Should the system allow custom date ranges for the inventory reports? |  |  | | --- | |  | |
| |  | | --- | | 3 |  |  | | --- | |  | | Low Stock Threshold | Should there be different alert thresholds for different categories of products? |