

# **Software Requirements Specification For AIUB Automobile Workshop**

**Version 1.0**

**Software Development Department  
American International University – Bangladesh (AIUB)**

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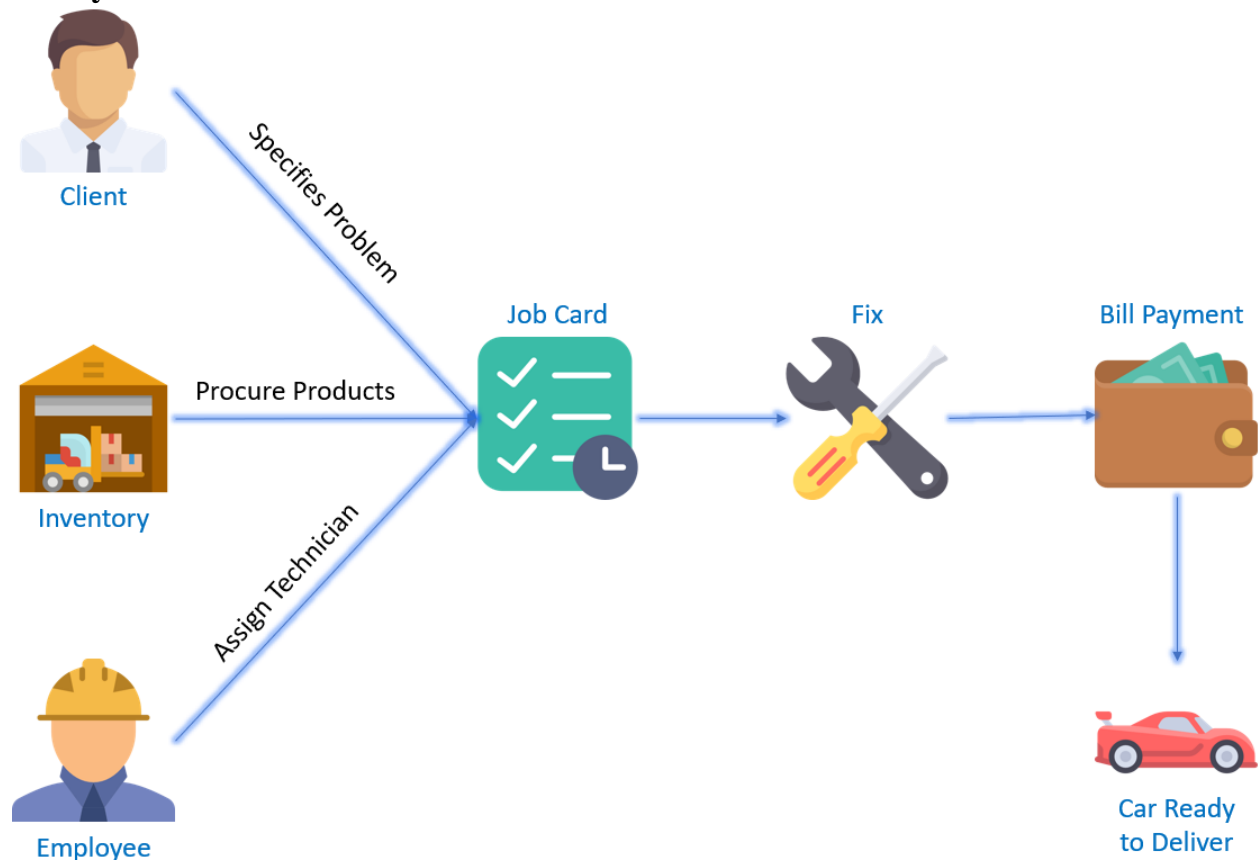
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# 1. Introduction

The main purpose of AIUB Automobile Workshop system is to maintain inventory, suppliers, employees, clients, job cards & bills efficiently. The system will help to boost up the activities of automobile repairment to increase productivity.

## 2. Overall Description

### 2.1. System Overview



### 2.2. User Roles

- i. Admin
- ii. Inventory Manager
- iii. Accountant

## 3. Requirements

### 3.1. Functional Requirements

#### 3.1.1. Admin

- REQ 1. Can Register & Log in
- REQ 2. Can View / Add / Edit / Delete / Search Employee
- REQ 3. Can View / Search Clients
- REQ 4. Can View / Search Suppliers
- REQ 5. Can View / Search Shipment history from Suppliers
- REQ 6. Can View / Search all Products of inventory (including warning products in a separate page)
- REQ 7. Can View / Search Services
- REQ 8. Can View / Search Job Card
- REQ 9. Can View / Search Bills

#### 3.1.2. Inventory Manager

- REQ 10. Can Log in
- REQ 11. Can View / Add / Edit / Delete / Search Products to inventory
- REQ 12. Product should contain SL, Name, Category, Sub-Category, Date of Purchase, Type of Vehicle, Quantity, Buying Price, Selling Price, Supplier Name, Supplier Invoice Image Reference, Remark. Two types of product – 1. For Sale, 2. For Own Use. Three states of product – 1. Functional, 2. Repairable, 3. Beyond Repair
- REQ 13. Can allocate 'For Own Use' Tools to employee (View / Add / Edit / Delete / Search)
- REQ 14. Can set Warning Quantity of a Product & view those products which are about to run out soon
- REQ 15. Can take return unused Products which had been issued for Job Card but was not required later and was not added to Bill. Assigned Technician of the Job Card would be responsible to return.

#### 3.1.3. Accountant

- REQ 16. Can Log in
- REQ 17. Can View / Add / Edit / Delete / Search Service
- REQ 18. Can View / Add / Edit / Delete / Search Client. Client may be two types – 1. AIUB, 2. Regular. Client may have multiple cars. Client info should contain Vehicle Name, Driver Name, Contact Person, Owner Name, Owner Cellphone Number, Owner AIUB ID (if available).
- REQ 19. Can View / Add / Edit / Remove / Search Job Card. Job Card should include Client info, Assigned Technician, required Products (with price), required Services & Estimated Cost.
- REQ 20. Can Add / Remove Products to Job Card from inventory
- REQ 21. Can Add / Remove Services to Job Card
- REQ 22. Can Assign / Remove Technician to Job Card
- REQ 23. When the car is ready to deliver, Accountant can generate final Bill from the estimated bill in Job Card. Accountant has the privilege to Add / Remove Product or Service from the final Bill. Manual entry facility should be provided to Add / Remove a Service.
- REQ 24. AIUB will not pay the Bill for AIUB's own vehicles. But other clients ought to pay the Bill.
- REQ 25. Can generate two copies of Job Card & Bill – 1. Office Copy, 2. Client Copy
- REQ 26. Can write Payment Type & Remarks in Bill.