

**UE22CS341A - Software Engineering**  
**Synopsis / Project Proposal**

**MUSIC SHOP DATABASE MANAGEMENT SYSTEM**

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**Proposed Project Description**

Overview:

The Music Shop Database Management System is one such DBMS that will be incorporated in Music Stores which tends to have a large inventory of different kinds of products. Thus a DBMS to manage the inventory and transfer of commodities and stock and track it. This reduces the risk of error and helps keep track of the inventory.

Project Scope:

Stakeholders:-Can be used by music shop owner, sales staff and inventory managers to track the inventory and orders placed by the customers

Plan of Work and Product Ownership

1.Requirement Gathering:

Research on the database to familiarize the developers with DBMS.

Continuously conduct interviews to understand the requirements of all the stakeholders

Constant analysis of requirement

Create a detailed software requirement document specifying the needs and demands

2.System Design

Design the database schema including tables ,constraints and relationships

Design the user interface for ease of use and accessibility and technical architecture including server ,database management system and programming language

### 3. Development

Following the incremental model that is continuous integration until entire system is finished

### 4. Testing

Test the entire system to ensure it meets the requirements and have the end-users test the system to ensure it meets their needs

### 5. Deployment

Develop a plan for deploying the system

### 6. Maintenance

Perform Regular maintenance task to ensure system stability

### Team Responsibility

Backend Development-Joshua

Frontend Development-Justin

- Your plan of work should list and describe the items that you are planning to accomplish in the short term (next few weeks).
- Split your team into “who should do what”

Product ownership is critical to demonstrate that each team member will play a clearly defined role in the proposed project.

