**DATABASE SYSTEMS(5330 – 006)**

**PROJECT PHASE - I**

**Database Implementation for Arlington Sprouts Store**

**Assumptions made in the design of the Database**

1. Each vendor sells items at a different price (vPrice), which is recorded in the VITEM table, linked to the ITEM and VENDOR tables by their respective IDs.
2. Each store has an inventory (INVENTORY table), which tracks the number of items in stock for each item and store combination. The inventory is linked to the ITEM and STORE tables by their respective IDs.
3. Each order contains one or more items (ORDER\_ITEMS table), which are linked to the ORDER and ITEM tables by their respective IDs.

**Drawing Tool Used:**

ERD Plus is used for drawing ER diagram and Relational Schema (<https://erdplus.com/>).

**Work done by each member**

1. ER Diagram – Ravi Ailani (1002026213)
2. Relational Schema – Skandan Sathish Kumar (1002064126)
3. Documentation done by both the members.

Relational Schema and ER Diagram are given below. If not visible clearly, they can be accessed at the following link:

<https://drive.google.com/drive/folders/1LldIaD9M3nyN8nELK-HsfApmWVDMazkP?usp=share_link>

**ER Diagram**

Diagram

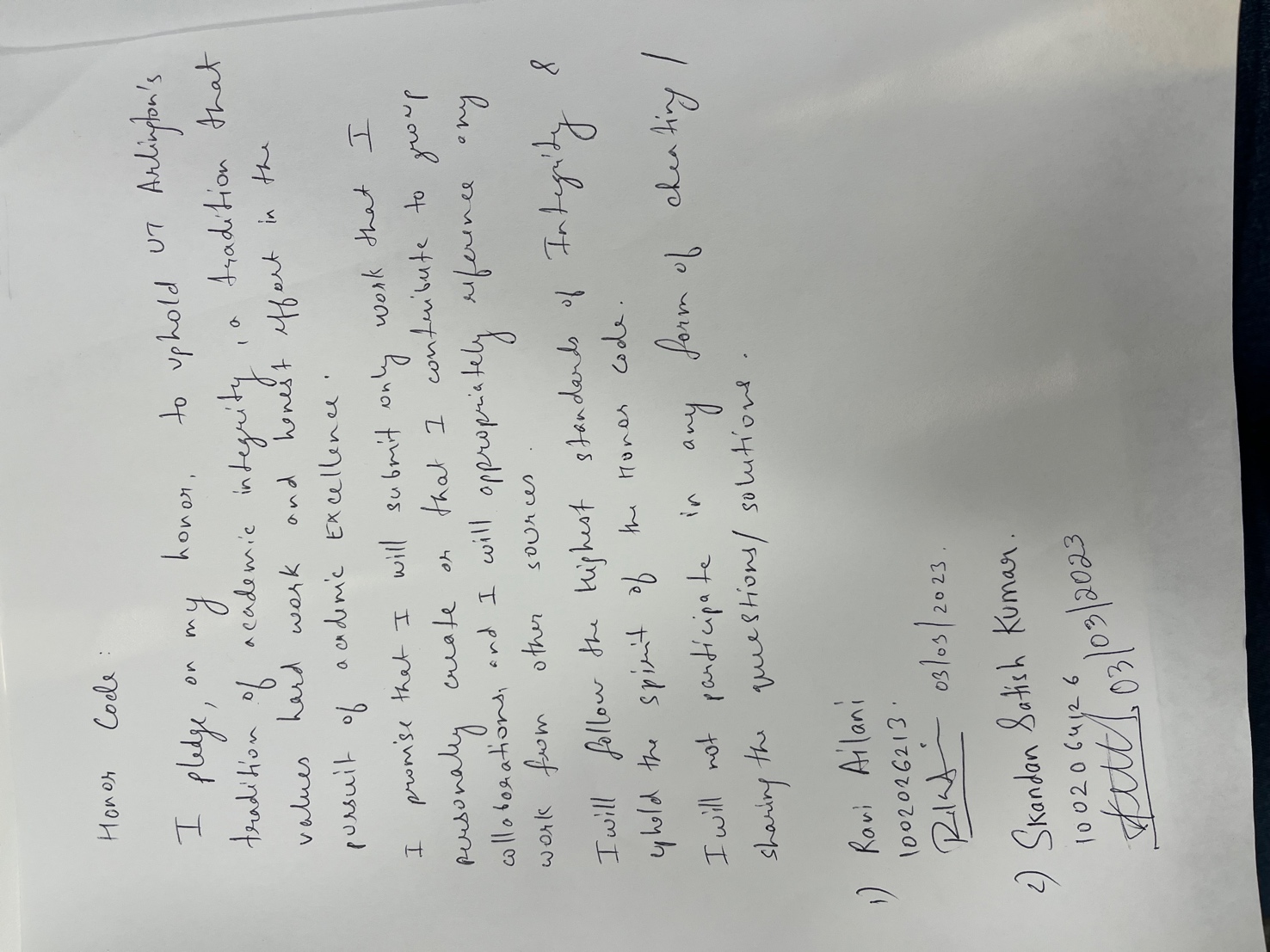
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**Relational Schema**

Diagram

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**Honor Code**

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