**DATABASE SYSTEMS(5330 – 005)**

**PROJECT PHASE - I**

**Database Implementation For Arlington Art Gallery**

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

1. In order to introduce a M:N relationship in the ER diagram, a new entity type called Exhibition is introduced with ExbId as its primary key. Customer and Artwork entity types are also having an M:N relationship.
2. ArtForm is another entity type which is used to store the types of artforms artist provide with ArtFormId as its primary key.
3. Artist entity type is having total participation with Artwork entity type. And Artist entity type is having total participation with Artforms entity type.
4. Two relationship attributes Number of Exhibitions and Number of Artwork Sold are also added in the ER to track the number of exhibited works and the number of artworks that are sold.

**Drawing Tool Used:**

DrawIo is used for drawing ER diagram and Relational Schema.

**Work done by each member**

1. ER Diagram and Reviewed Relational schema- Silpa Vijayan Geetha
2. Relation Schema and Reviewed ER Diagram- Ravi Prakasha
3. Documentation done by both the members.

**Diagram

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**Text

Description automatically generatedRELATIONAL SCHEMA**

**HONOR CODE**

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or that I contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

I will not participate in any form of cheating/sharing the questions/solutions.

**Ravi Prakasha Silpa Vijayan Geetha**

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**Date: 06 March 2022**

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