

Assignment 3  
Art Gallery E-R Diagram

**Instructions:** “Design an E-R Diagram for an Art Gallery.  
ER must be done with Microsoft Visio or a similar tool.”

Gallery keeps information about:

<b>Artist:</b>	Name (unique), Phone, Address, Birth place, Age & Style of Art
<b>Art Work:</b>	Artist, Unique title, Type of art, date of creation, date acquired by gallery, Price, location
<b>Customer:</b>	Customer Number, Phone, Art preferences
<b>Art Shows:</b>	Artist, date and time, location, contact, contact phone

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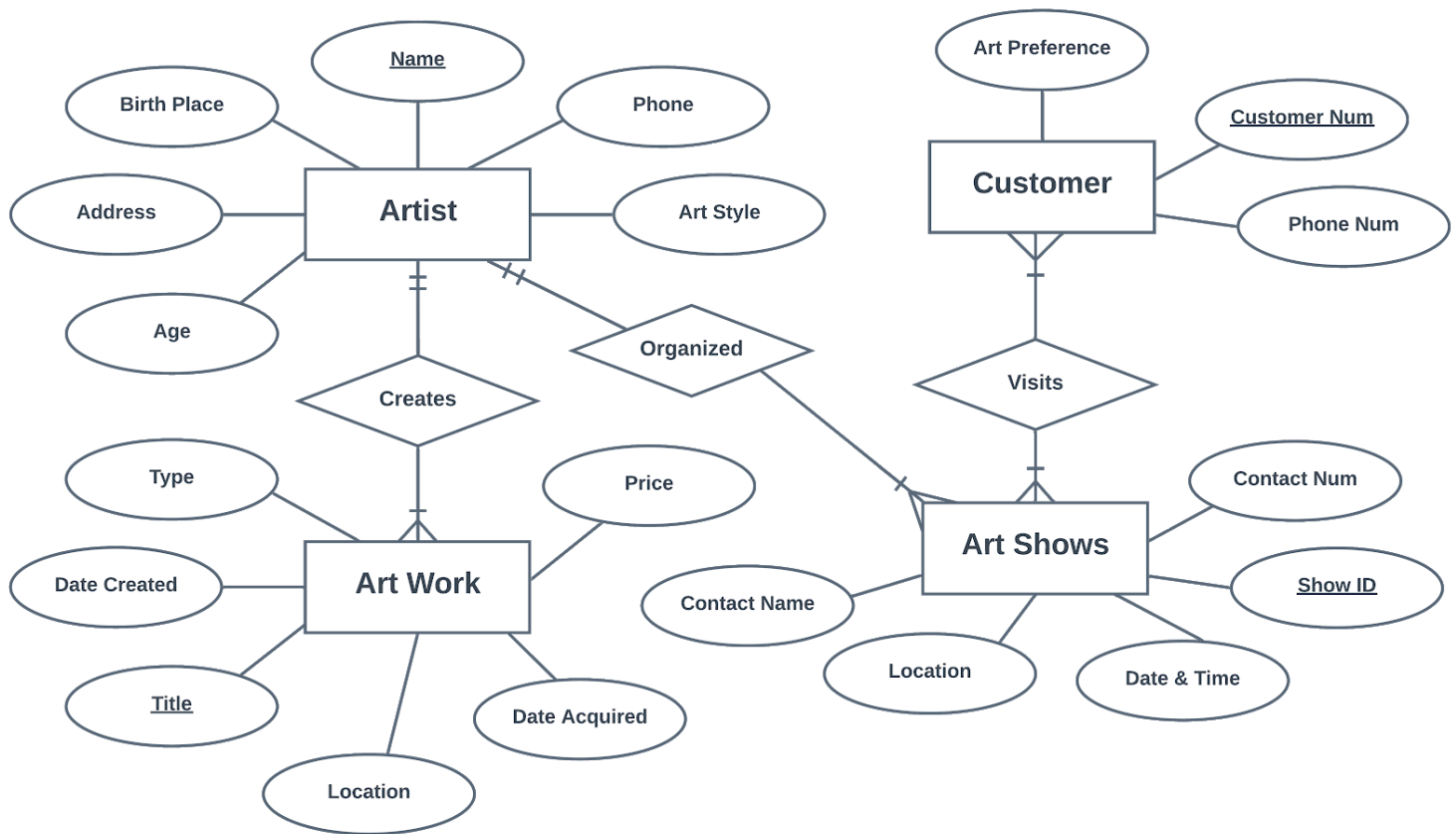
**Solution:**

**\*\* E.R. Diagram is on page 2 \*\***

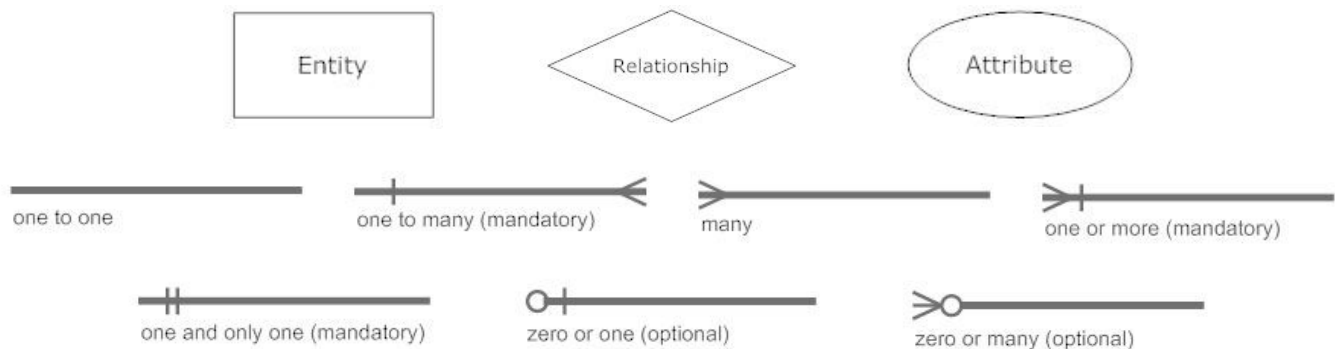
⇒ Made with **LucidCharts**, a popular solution for visualizing modern software engineering projects. Added using **LC add-on** for Google Docs.

**Terms:**

1. **Entities:** Thing capable of an independent existence that can be uniquely identified.
2. **Relationships:** Expresses the associations and dependencies between entities.
3. **Cardinality:** How many instances of an entity relate to one instance of another entity.



Key:



Notes:

⇒ Uses Crow's Foot Notation:

- Diagrams represent **entities** as boxes, and **relationships** as lines between the boxes.
- Different shapes at the ends of these lines represent the relative **cardinality** of the **relationship**.
- Underlined attributes are [part of] the primary key.