Course No.: CS579 A1

Course Title: Database Management (Fall 2021)

Project-Part 1

Name: Hao Wu, Mayuresh Deladia

Due Data: 09/28/2021

Submitted Data: 09/25/2021

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Attribute** | | | |
| **Name** | **Description** | **Multivalued** | **Derived** |
| Customer |  | Headquarter{K} |  | N | N |
|  |  | Name |  | N | N |
|  |  | Address |  | N | N |
|  |  | Phone No. |  | N | N |
|  |  |  |  |  |  |
|  |  | Branch{K} |  | N | N |
|  |  | Address |  | N | N |
|  |  | Phone No. |  | N | N |
|  |  | Branch No. |  | N | N |
|  |  |  |  |  |  |
| Paper |  | type{K} |  | N | N |
|  |  | Type No. |  | N | N |
|  |  | Size |  | N | N |
|  |  | Weight |  | N | N |
|  |  | Unit Price |  | N | N |
|  |  |  |  |  |  |
| Order |  | Order No.{K} |  | N | N |
|  |  | Issued\_Store |  | N | N |
|  |  | Date |  | N | N |
|  |  | Amount |  | N | N |
|  |  | Issued\_Employee |  | Y | N |
|  |  |  |  |  |  |
|  |  | Suborder |  | N | N |
|  |  | Suborder No. |  | N | N |
|  |  | Shipped\_branch |  | N | N |
|  |  | Required\_Date |  | N | N |
|  |  | Actual\_Date |  | N | N |
|  |  | Paper\_type |  | N | N |
|  |  | Quantity |  | N | N |
|  |  |  |  |  |  |
| EMP |  | ID{K} |  | N | N |
|  |  | Name |  | N | N |
|  |  | Salary |  | N | N |
|  |  | Address |  | N | N |
|  |  | Classification |  | Y | N |
|  |  | DOB |  | N | N |
|  |  |  |  |  |  |
|  |  | **Participating Entity Types** | |  |  |
| **Name** | **Description** | **Name** | **Structural constraint** | **Attribute** |  |
| Work\_On |  | EMP | (1,2) | None |  |
|  |  | Order | (1,N) |  |
|  |  |  |  |  |  |
| Issued |  | Customer | (1,1) | None |  |
|  |  | Order | (0,N) |  |
|  |  |  |  |  |  |
| Buy\_Sell |  | Customer | (1,1) | None |  |
|  |  | Paper | (1,N) |  |