**CSE 5330 – Database Systems**

**Project: Online Bookstore**

**Phase 1**

|  |  |
| --- | --- |
| **NAME** | **UTA ID** |
| KAUSHIK PULIVENDULA BALASUBRAMANYAM | 1001529713 |
| RIDHAM KOTHARI | 1001446086 |
| ADITYA PANDEY | 1001405034 |

**Schema Diagram with primary keys and foreign keys**

**PERSON**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSN | FName | Lname | Email | Sex | DOB | Age | Address | Phone\_Number |

Primary key- SSN

**CUSTOMER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Id\_No | UserName | User\_password | CreatedDate | Card Details |

Primary key- Id\_No, User Name

**STAFF**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Staff\_id | Salary | UserName | Password | Join Date | Job\_Type |

Primary key- Staff\_id, UserName

**ORDER**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Order\_id | Item\_id | Customer\_id | Order\_date | Payment\_id | Quantity | Shipping Address | Trackin Numbr |

Primary Key- Order\_id

Foreign key- Item\_id, Customer\_id, Payment\_id

**PAYMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| Payment\_id | Total\_price | Payment\_type | Payment\_date |

Primary key- Payment\_id

**ITEMS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Item\_id | Subject\_Type | Description | Image | Category | Price | Quantity |

Primary key- Item\_id

**SELLER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SSN | Seller\_id | Name | Address | Phone\_number |

Primary Key- Seller\_id, SSN

Foreign Key- SSN

**AUTHOR**

|  |  |  |  |
| --- | --- | --- | --- |
| Author\_id | Author\_Name | Email | Affliation |

Primary Key- Author\_id

**PEROIDICALS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| P\_ID | Name | Publisher\_id | Description | Item\_id | Publisher\_date |

Primary key- P\_ID

Foreign key- Item\_id

**BOOK**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ISBN | Name | Book\_type | Description | Release\_date | Item\_id | Author\_id |

Primary Key- ISBN

Foreign key- Item\_id, Author\_id

**EBOOK**

|  |  |  |
| --- | --- | --- |
| Ebook\_id | ISBN | Category |

Primary key- Ebook\_id

Foreign key- ISBN

**PAPER BOOK**

|  |  |  |  |
| --- | --- | --- | --- |
| Pbook\_id | ISBN | Availability status | Category |

Primary key- Pbook\_id

Foreign key- ISBN