|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User |  |  |  |  |  |  |
| UserID | UserName | Email |  | FirstName | LastName | Password |

|  |  |
| --- | --- |
| Admin |  |
| UserID |
|  |
| Member |  |
| UserID |
| Feedback |  |  |  |  |  |
| ItemID | UserID | OverallRating | ItemQuality | Comments | Delivery |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item | | | | | |  |  |
| ItemID | ItemName | Category | StartPrice | Description | UserID | AuctionStartTime | AuctionEndTime |

|  |  |  |  |
| --- | --- | --- | --- |
| Bid | | | |
| UserID | ItemID | BiddingTime | MaxBidLimit |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Admin |  |  |  |  |  |  |  |
| UserID | UserName | Email |  | FirstName | LastName | Password | CreatorID |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Member |  |  |  |  |  | |  |  | | | |  |  |  |  |
| UserID | UserName | Email |  | FirstName | LastName | Password | CreatorID | | IsBuyer | IsSeller |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Feedback |  |  | |  | |  | | |  |
| ItemID | OverallRating | | ItemQuality | | Comments | | Delivery |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item | | | | | |  |  |
| ItemID | ItemName | Category | StartPrice | Description | UserID | AuctionStartTime | AuctionEndTime |

|  |  |  |  |
| --- | --- | --- | --- |
| Bid | | | |
| UserID | ItemID | BiddingTime | MaxBidLimit |

An alternative scenario would be to map the User specializations of Admin and User as their own relations. However, we feel that merging them into the User relation represented by a UserType is the ideal approach with less redundancy.

Alternative mapping of User:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Admin |  |  |  |  |  |  |  |
| UserID | UserName | Email |  | FirstName | LastName | Password | CreatorID |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Member |  |  |  |  |  | |  |  | | | |  |  |  |  |
| UserID | UserName | Email |  | FirstName | LastName | Password | CreatorID | | IsBuyer | IsSeller |

|  |  |
| --- | --- |
| Member |  |
| UserID |

|  |  |
| --- | --- |
| Admin |  |
| UserID |

Problems:

Some of our problems included having disagreements over how to model the database in ER/EER diagram. We overcame this issue by going to see Professor Rahal to clear up our questions and disagreements. This was the only major issue for this phase as the rest of it went very well.