**Project Name: Efficient Shipping System**

**Project Members:**

|  |  |
| --- | --- |
| **PRN No.** | **Name** |
| **210943120009** | **Darshana Agarwal** |
| **210943120034** | **Saurabh Jagadale** |
| **210943120043** | **Kshitij Ghogare** |

**Technology:**

Frontend- ReactJS, Bootstrap, CSS, HTML.

Backend- SpringBoot (Java)

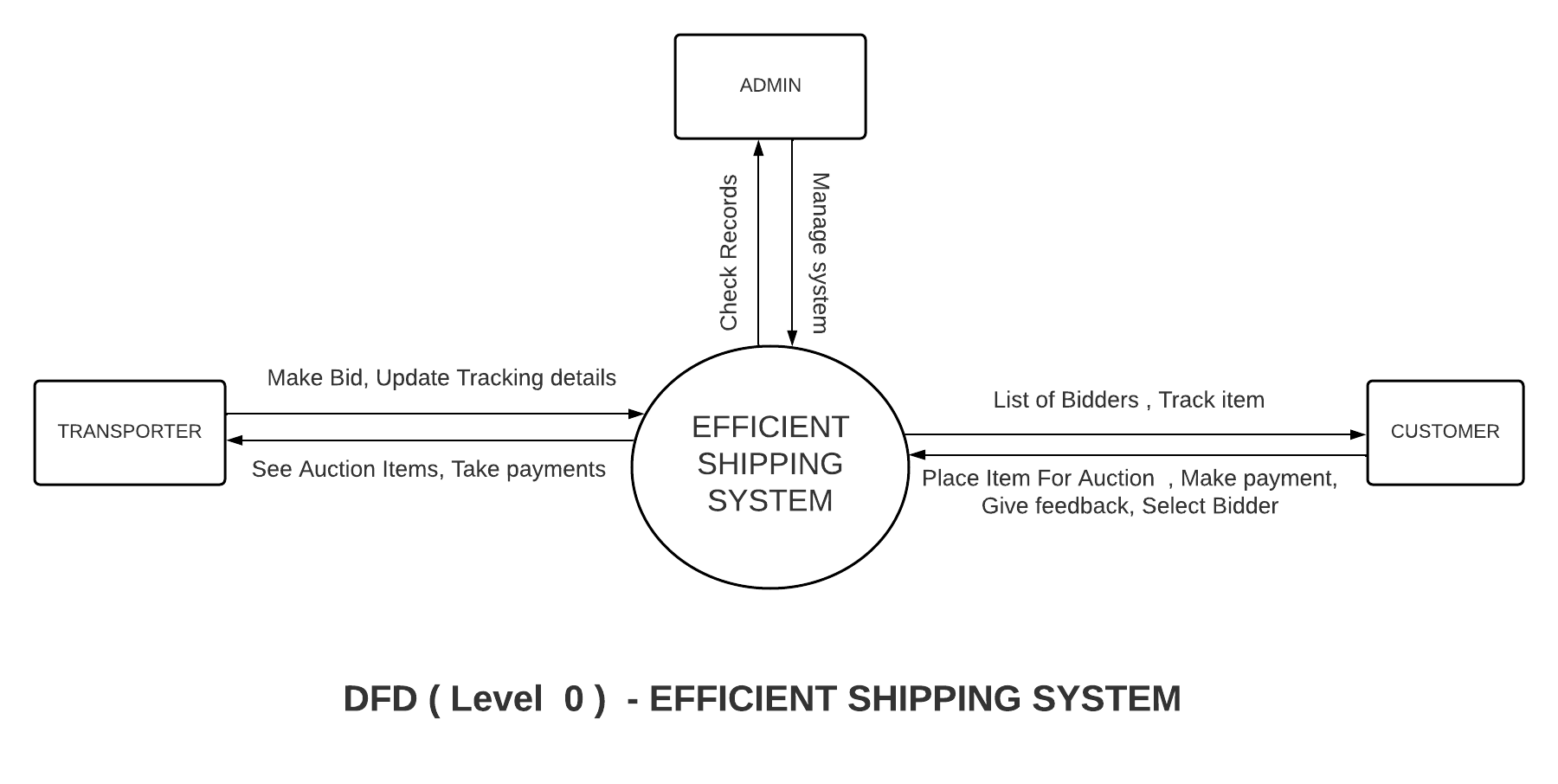
Database- MySQL

Others –

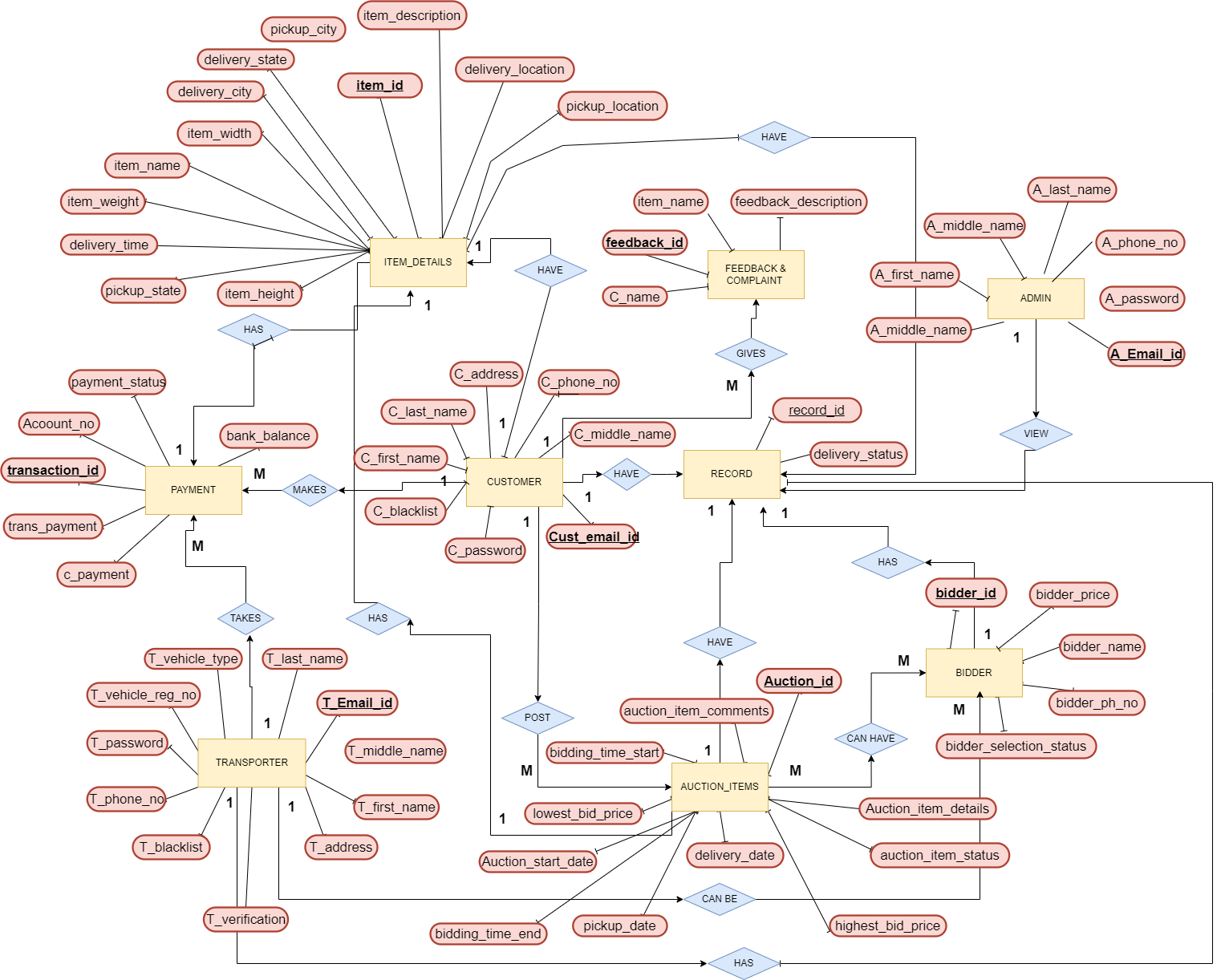
**Roles and Responsibilities:**

|  |  |  |
| --- | --- | --- |
| **Roles And Responsibilities** | | |
| 1 | Role | Frontend & Backend |
| Member Name | **Darshana Agarwal** |
| PRN No | 210943120009 |
| Description | Designing the UI using ReactJS, Bootstrap, CSS, HTML. |
| 2 | Role | Backend & Database |
| Member Name | **Saurabh Jagadale** |
| PRN No | 210943120034 |
| Description | Creating and maintaining technology at the back end. |
| 3 | Role | Database & Backend |
| Member Name | **Kshitij Ghogare** |
| PRN No | 210943120043 |
| Description | Managing the exchange of data between the server and the users. |

**Data Flow Diagram (DFD):**



**ERD / Database Tables:**



Admin Table:

|  |  |
| --- | --- |
|  |  |
| A\_First\_Name |  |
| A\_Middle\_Name |  |
| A\_Last\_Name |  |
| A\_Email\_id | PK |
| A\_Password |  |
| Admin\_ph\_no |  |

Transporter Table:

|  |  |
| --- | --- |
|  |  |
| T\_First\_Name |  |
| T\_Middle\_Name |  |
| T\_Last\_Name |  |
| Trans\_Email\_id | PK |
| T\_Password |  |
| Trans\_ph\_no |  |
| Trans\_Address |  |
| Trans\_Vehicle\_Reg\_no | UK |
| Trans\_Vehicle\_Type |  |
| Trans\_Verification | Yes/no(updated by admin) |
| Trans\_Blacklist |  |

Customer Table:

|  |  |
| --- | --- |
| C\_First\_Name |  |
| C\_Middle\_Name |  |
| C\_Last\_Name |  |
| Cust\_Email\_id | PK |
| C\_Password |  |
| Cust\_ph\_no |  |
| Cust\_address |  |
| Cust\_Blacklist |  |

Auction Item Table:

|  |  |
| --- | --- |
| Auction\_item\_id | PK |
| Cust\_Email\_id | FK |
| Auction\_item\_details |  |
| Auction\_Start\_date |  |
| Lowest\_bid\_price |  |
| Highest\_bid\_price |  |
| Bidding\_time\_start |  |
| Bidding\_time\_end |  |
| Pickup\_Date |  |
| Delivery\_Date |  |
| Auction\_item\_Comments |  |
| Auction\_Item\_Status | GotBid /Stillrunning /Doesn’t got any bid(for transporter display) |

Item Details Table:

|  |  |
| --- | --- |
| Item\_id | PK |
| Cust\_Email\_id | FK |
| Item\_Name |  |
| Item\_Width |  |
| Item\_Height |  |
| Item\_Weight |  |
| Item\_Description |  |
| Pickup Location |  |
| Pickup\_State |  |
| Pickup\_City |  |
| Auction\_item\_id | FK (pickup date, delivery date) |
| Delivery\_location |  |
| Delivery\_State |  |
| Delivery\_city |  |
| Delivered\_Time |  |

Bidder Table:

|  |  |
| --- | --- |
| Bidder\_id | PK |
| Bidding\_price |  |
| Trans\_Email\_id | FK |
| Auction\_item\_id | FK |
| Bidder\_name (Transporter\_name) |  |
| Bidder\_ph\_no. |  |
| Bidder\_selection\_status | Selected/non-selected |

Feedback & Complaint:

|  |  |
| --- | --- |
| Feedback\_id | PK |
| Cust\_Email\_id | FK |
| Cust\_name |  |
| Item\_name |  |
| Feedback\_Description |  |

Payment Table:

|  |  |
| --- | --- |
| Transaction\_id | Pk |
| Account number |  |
| Bank\_Balance |  |
| Cust\_Email\_id | FK |
| Item\_id | FK |
| Cust\_Name |  |
| Cust\_payment |  |
| Trans\_Email\_id | FK |
| Trans\_name |  |
| Trans\_payment | Cust\_payment - (30%) |
| Payment\_status | Successful/notsuccessful |

Record Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Record\_id | PK |  |  |  |  |
| Cust\_emailid | FK |  |  |  |  |
| Trans\_emailid | FK |  |  |  |  |
| Auction\_item\_id | FK |  |  |  |  |
| Bidder\_Id | FK |  |  |  |  |
| Item\_id | FK |  |  |  |  |
| Feedback\_id | FK |  |  |  |  |
| Payment\_id | FK |  |  |  |  |
| Delivered (Updated by trasporter) |  |  |  |  |  |