* + 1. **Schema Diagram**

|  |
| --- |
| Cate L-1 |
| **cate l1 ID**  cate\_l1\_name |

|  |
| --- |
| Cate L-2 |
| **cate l2 ID**  cate\_l2\_name  **cate\_l1\_ID** |

|  |
| --- |
| Cate L-3 |
| **cate l3 ID**  cate\_l3\_name  **cate\_l2\_ID** |

|  |
| --- |
| zone |
| **zone ID**  zone\_name  zone\_code  address  **BSA\_ID**  Phone\_number  hotline |

|  |
| --- |
| Business\_super\_admin |
| **BSA ID**  BSA\_name  address  email(BSA)  phn\_num  password  licence\_num  national\_id  business\_location  business\_type  date  bkash\_num/payment  bank\_a/c  shop\_name  BSA\_rating |

|  |
| --- |
| product |
| **product ID**  product\_name  **cate\_l3\_ID**  activation\_status |

|  |
| --- |
| Buyer/customer |
| **buyer ID**  buyer\_name  email  password  address  phn\_num  date\_of\_birth  gender  temp\_address |

|  |
| --- |
| system\_super\_admin |
| **SSA ID**  SSA\_name  email(SSA)  password  phone\_number  address |

|  |
| --- |
| stock |
| **stock ID**  **lot\_ID**  sold\_unit\_price  quantity  availability  **branch\_ID**  **BSA\_ID** |

|  |
| --- |
| business\_admin |
| **BA ID**  BA\_name  email(BA)  password  phn\_num  address  **BSA\_ID**  role |

|  |
| --- |
| branch |
| **branch ID**  **zone\_ID**  branch\_code  branch\_name  **BA\_ID** |

|  |
| --- |
| specification |
| **specification\_ID**  **product\_ID**  **branch\_ID**  img1  thumbnail  long\_desc  short\_desc  payment\_type  shipping\_change  popularity  unit  date  availabilty |

|  |
| --- |
| lot |
| **lot ID**  lot\_name  **BSA\_ID**  advoice\_num  **product\_ID**  quantity  measurement  unit\_price  total  submitted\_by  **branch\_ID**  date  expired\_date |

|  |
| --- |
| sold |
| **sold ID**  **stock\_ID**  quantity  unit\_price  measurement  total  lot\_num  **payment\_ID**  **branch\_ID**  advoice  sell\_type  date |

|  |
| --- |
| order |
| **order ID**  **stock\_ID**  **buyer\_ID**  quantity  shipping\_address  status  date  payment\_method  **cart\_ID**  receive\_by  **employee\_ID** |

|  |
| --- |
| cart |
| **cart ID**  **stock\_ID**  **buyer\_ID**  quantity  total  subtotal  date |

|  |
| --- |
| wishlist |
| **wishlist ID**  **stock\_ID**  **buyer\_ID**  date |

|  |
| --- |
| employee |
| **employee ID**  employee\_name  email  password  phn\_num  address  **branch\_ID** |

|  |
| --- |
| online\_payment |
| **payment ID**  payment\_name |

|  |
| --- |
| expenses |
| **expense ID**  expense\_reason  date  amount  **branch\_ID** |

Fig 4.7: Schema Diagram

In this diagram, the whole Database can be seen at a time with all attributes. There are a total of 20 tables in this Database. Primary keys are also shown in this diagram with an underline and additionally, foreign keys can be viewed on the diagram. Relation among different tables is shown.