**Database Dictionary**

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| **# :** 01  **TABLE :** LOGIN  **PRIMARY KEY :** USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | USER\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | USER\_EMAIL | VARCHAR | 50 | UNIQUE,  NOT NULL | USER EMAIL |
| 3 | PASSWORD | VARCHAR | 20 | NOT NULL | HASH PASSWORD |
| 4 | USER\_TYPE | VARCHAR | 10 | DEFAULT ‘MECHANIC’ | USER ROLE (TYPE) |
| 5 | DATE\_CREATED | DATETIME | 8 | NOT NULL | ACCOUNT CREATED DATE |
| 6 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETE FLAG |
| 7 | LAST\_LOGIN | DATETIME | 8 | NOT NULL | LAST LOGIN DATETIME |

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| **# :** 02  **TABLE :** USER\_PROFILE  **PRIMARY KEY :** USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | USER\_ID | INT |  | PRIMARY KEY,  FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE OF LOGIN(USER\_ID) |
| 2 | FIRST\_NAME | VARCHAR | 50 | NOT NULL | USER FIRST NAME |
| 3 | LAST\_NAME | VARCHAR | 50 | NOT NULL | USER LAST NAME |
| 4 | ADDRESS | VARCHAR | 400 | NOT NULL | USER ADDRESS |
| 5 | CITY\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF CITY(CITY\_ID) |
| 6 | MOBILE\_NO | VARCHAR | 15 | NOT NULL | CONTACT NUMBER OF USER |

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| **# :** 03  **TABLE :** COUNTRY  **PRIMARY KEY :** COUNTRY\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | COUNTRY\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER, |
| 2 | COUNTRY\_NAME | VARCHAR | 50 | UNIQUE,  NOT NULL | USER COUNTRY NAME |

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| **# :** 04  **TABLE :** STATE  **PRIMARY KEY :** STATE\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | STATE\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | STATE\_NAME | VARCHAR | 50 | NOT NULL | STATE NAME |
| 3 | COUNTRY\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF COUNTRY(COUNTRY\_ID) |

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| **# :** 05  **TABLE :** CITY  **PRIMARY KEY :** CITY\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | CITY\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | CITY\_NAME | VARCHAR | 50 | NOT NULL | CITY NAME |
| 3 | STATE\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF STATE(STATE\_ID) |

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| **# :** 06  **TABLE :** CATEGORY  **PRIMARY KEY :** CATEGORY\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | CATEGORY\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | CATEGORY\_NAME | VARCHAR | 100 | UNIQUE,  NOT NULL | CATEGORY NAME |

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| **# :** 07  **TABLE :** PRODUCT  **PRIMARY KEY :** PRODUCT\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | PRODUCT \_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | PRODUCT \_NAME | VARCHAR | 150 | NOT NULL | PRODUCT NAME |
| 3 | PRODUCT \_DESC | VARCHAR | 300 | NOT NULL | PRODUCT DESCRIPTION |
| 4 | PRODUCT\_UNIT | VARCHAR | 30 | NOT NULL | PRODUCT UNIT |
| 5 | CATEGORY\_ID | INT |  | NOT NULL, FOREIGN KEY | REFERENCE OF CATEGORY(CATEGORY\_ID) |

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| **# :** 08  **TABLE :** MECHANIC  **PRIMARY KEY :** USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | USER\_ID | INT |  | PRIMARY KEY,  FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE OF LOGIN(USER\_ID) |
| 2 | EXPERTISE | VARCHAR | 700 | NOT NULL | EXPERTISE OF MECHANIC |
| 3 | WORKSHOP | VARCHAR | 400 | NOT NULL |  |
| 4 | CHARGES | VARCHAR | 100 | NOT NULL | SERVICE CHARGES |
| 5 | DATE\_CREATED | DATETIME | 8 | NOT NULL | ACCOUNT CREATED DATE |
| 6 | MAP\_COORDINATES | VARCHAR | 300 | NOT NULL |  |
| 7 | IS\_ACTIVE | BIT | 1 | NOT NULL | MECHANICS IS ACTIVE |
| 8 | CITY\_ID | INT |  | FOREIGN KEY | REFERENCE OF CITY(CITY\_ID) |

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| **# :** 09  **TABLE :** MECHANIC\_RATING  **PRIMARY KEY :** MECHANIC\_USER\_ID, CUSTOMER\_USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | MECHANIC\_USER\_ID | INT |  | PRIMARY KEY,  FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE OF USER\_PROFILE(USER\_ID) |
| 2 | CUSTOMER\_USER\_ID | INT |  | PRIMARY KEY,  FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE OF USER\_PROFILE(USER\_ID) |
| 3 | RATING | INT |  | NOT NULL | RANING OF SERVICES |
| 4 | DATE\_ADDED | DATETIME | 8 | NOT NULL | RATING GIVEN DATE |

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| **# :** 10  **TABLE :** PRODUCT\_VENDOR  **PRIMARY KEY :** MECHANIC\_USER\_ID, CUSTOMER\_USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | PRODUCT\_VENDOR\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | VENDOR\_USER\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |
| 3 | PRODUCT\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF PRODUCT(PRODUCT\_ID) |
| 4 | PRODUCT\_RATE | DECIMAL | (18,2) | NOT NULL | PRODUCT PRICE |
| 5 | UPDATE\_DATE | DATETIME |  |  | NEW PRODUCT UPDATE DATE |

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| **# :** 11  **TABLE :** VENDOR  **PRIMARY KEY :** USER\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | USER\_ID | INT |  | PRIMARY KEY,  FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE OF USER\_PROFILE(USER\_ID) |
| 2 | ADDRESS | VARCHAR | 400 | NOT NULL | ADDRESS OF VENDOR |
| 3 | DATE\_CREATED | DATETIME | 8 | NOT NULL | ACCOUNT CREATED DATE |
| 4 | MAP\_COORDINATES | VARCHAR | 300 | NOT NULL |  |
| 5 | IS\_ACTIVE | BIT | 1 | NOT NULL | VENDOR IS ACTIVE |
| 6 | CITY\_ID | INT |  | FOREIGN KEY | REFERENCE OF CITY(CITY\_ID) |

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| **# :** 12  **TABLE :** INVOICE\_SERVICE  **PRIMARY KEY :** INVOICE\_SERVICE\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | INVOICE\_SERVICE\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | INVOICE\_DATE | DATETIME | 8 | NOT NULL | DATE OF INVOICE |
| 3 | MECHANIC\_USER\_ID | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |
| 4 | CUSTOMER\_USER\_ID | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |
| 5 | INVOICE\_DESC | VARCHAR | 300 | NOT NULL | INVOICE DESCRIPTION |

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| **# :** 13  **TABLE :** INVOICE\_SERVICE\_ITEM  **PRIMARY KEY :** ITEM\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | ITEM\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | INVOICE\_SERVICE\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF INVOICE\_SERVICE  (INVOICE\_SERVICE\_ID) |
| 3 | ITEM\_DESCRIPTION | VARCHAR | 300 | NOT NULL | ITEM DESCRIPTION |
| 4 | ITEM\_CHARGES | DECIMAL | (18,2) | NOT NULL | ITEM CHARGES |

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| **# :** 14  **TABLE :** INVOICE\_PURCHASE  **PRIMARY KEY :** INVOICE\_PURCHASE\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | INVOICE\_PURCHASE\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | INVOICE\_DATE | DATETIME | 8 | NOT NULL | DATE OF INVOICE |
| 3 | VENDOR\_USER\_ID | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |
| 4 | CUSTOMER\_USER\_ID | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |
| 5 | INVOICE\_DESC | VARCHAR | 300 | NOT NULL | INVOICE DESCRIPTION |
| **# :** 15  **TABLE :** INVOICE\_PURCHASE\_ITEM  **PRIMARY KEY :** ITEM\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | ITEM\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | INVOICE\_PURCHASE\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF INVOICE\_PURCHASE (INVOICE\_PURCHASE\_ID) |
| 3 | VENDOR\_PRODUCT\_ID | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF VENDOR\_PRODUCT (VENDOR\_PRODUCT\_ID) |
| 4 | ITEM\_QTY | INT |  | NOT NULL | QUANTITY OF ITEAM |
| 5 | ITEM\_RATE | DECIMAL | (18,2) | NOT NULL | PRICE OF PRODUCT |

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| **# :** 16  **TABLE :** REGISTRATION\_SERVICE  **PRIMARY KEY :** REGISTRATION\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | REGISTRATION\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | SERVICE\_TYPE | VARCHAR | 100 | NOT NULL | TYPE OF SERVICE |
| 3 | SERVICE\_DESCRIPTION | VARCHAR | 500 | NOT NULL | SERVICE DESCRIPTION |
| 4 | USER\_ID | INT |  | FOREIGN KEY | REFERENCE OF USER\_PROFILE(USER\_ID) |

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| **# :** 17  **TABLE :** VEHICLE  **PRIMARY KEY :** VEHICLE\_ID | | | | | |
| **#** | **FIELD NAME** | **TYPE** | **SIZE (BYTES)** | **CONSTRAINTS** | **DESCRIPTION** |
| 1 | VEHICLE\_ID | INT |  | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | VEHICLE\_NAME | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF INVOICE\_PURCHASE (INVOICE\_PURCHASE\_ID) |
| 3 | VEHICLE\_TYPE | INT |  | FOREIGN KEY, NOT NULL | REFERENCE OF VENDOR\_PRODUCT (VENDOR\_PRODUCT\_ID) |
| 4 | VEHICLE\_MODEL | INT |  | NOT NULL | QUANTITY OF ITEAM |
| 5 | VEHICLE\_NUMBER | DECIMAL | (18,2) | NOT NULL | PRICE OF PRODUCT |
| 6 | USER\_ID | INT |  | FOREIGN KEY,  NOT NULL | REFERENCE OF USER\_PROFILE(USER\_ID) |