# Data Dictionary

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| **ENTITY: BEEP\_CARD** | |
| **Attribute Name** | **Data Type** |
| beep\_number | VARCHAR(16) |
| beep\_lasttransaction | DATETIME |
| beep\_balance | DECIMAL(7,2) |
| pass\_mobilenumber | VARCHAR(11) |

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| **ENTITY: PASSENGER** | |
| **Attribute Name** | **Data Type** |
| pass\_mobilenumber | VARCHAR(11) |
| pass\_password | VARCHAR(50) |
| pass\_fname | VARCHAR(50) |
| pass\_lname | VARCHAR(50) |
| pass\_birthdate | DATE |
| pass\_gender | CHAR |
| pass\_occupation | VARCHAR(50) |

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| **ENTITY: RESERVATION** | |
| **Attribute Name** | **Data Type** |
| res\_code | VARCHAR(10) |
| pass\_mobilenumber | VARCHAR(11) |
| sched\_code | VARCHAR(10) |
| res\_seatnumber | INT |
| res\_status | VARCHAR(45) |
| emp\_id | VARCHAR(50) |

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| **ENTITY: FEEDBACK** | |
| **Attribute Name** | **Data Type** |
| pass\_mobilenumber | VARCHAR(11) |
| sched\_code | VARCHAR(10) |
| feed\_rating | INT |
| feed\_feedback | VARCHAR(100) |
| **ENTITY: BUS** | |
| **Attribute Name** | **Data Type** |
| bus\_platenumber | VARCHAR(6) |
| bus\_availability | VARCHAR(50) |
| bus\_location | VARCHAR(50) |
| bus\_congestionlevel | INT |
| bus\_beeptapnumber | VARCHAR(16) |
| route\_code | INT(3) |

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| **ENTITY: BUS\_SCHEDULE** | |
| **Attribute Name** | **Data Type** |
| sched\_code | VARCHAR(10) |
| sched\_date | DATE |
| bus\_platenumber | VARCHAR(6) |
| sched\_origin | VARCHAR(4) |
| sched\_destination | VARCHAR(4) |
| sched\_arrival | TIME |
| sched\_departure | TIME |
| emp\_id | VARCHAR(50) |

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| **ENTITY: EMPLOYEE** | |
| **Attribute Name** | **Data Type** |
| emp\_id | VARCHAR(50) |
| emp\_password | VARCHAR(50) |
| emp\_fname | VARCHAR(50) |
| emp\_lname | VARCHAR(50) |
| emp\_lastlogin | DATETIME |
| emp\_classification | VARCHAR(10) |

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| **ENTITY: BUS\_ROUTE** | |
| **Attribute Name** | **Data Type** |
| route\_code | INT(3) |
| route\_name | VARCHAR(50) |
| route\_availability | VARCHAR(50) |
| route\_operatingschedule | VARCHAR(50) |
| route\_fare | DECIMAL(4,2) |

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| **ENTITY: BUS\_STOP** | |
| **Attribute Name** | **Data Type** |
| stop\_code | VARCHAR(4) |
| stop\_name | VARCHAR(50) |
| stop\_location | VARCHAR(50) |
| stop\_ticketavailability | CHAR |
| stop\_congestionlevel | INT |
| route\_code | INT(3) |

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| **ENTITY: CONGESTION** | |
| **Attribute Name** | **Data Type** |
| stop\_code | VARCHAR(4) |
| cong\_datetime | DATETIME |
| cong\_level | VARCHAR(10) |