

ESPIRE CAB BOOKING SYSTEM

TAUSIF MANSURI

MUKTANANAD GAUTAM

POOJA VERMA

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DATABASE DESIGNE

USER ADMIN CUSTOMER REGISTRATION AND
LOGIN

DATABASE DIAGRAAM:-

user	
userid	VARCHAR(16)
username	VARCHAR(255)
useremail	VARCHAR(32)
userphone	VARCHAR(45)
useraddress	VARCHAR(45)
customer_customerpaas	VARCHAR(255)
admin_adminid	VARCHAR(16)
Indexes	

driver	
driverid	VARCHAR(16)
drivername	VARCHAR(255)
driversource	VARCHAR(32)
cabtime	TIMESTAMP
driverdestination	VARCHAR(45)
user_username	VARCHAR(255)
Indexes	

customer	
customerid	VARCHAR(16)
customerpaas	VARCHAR(255)
customername	VARCHAR(32)
customerphone	VARCHAR(45)
customeraddresss	VARCHAR(45)
customercol	VARCHAR(45)
customercol1	VARCHAR(45)
customercol2	VARCHAR(45)
customercol3	VARCHAR(45)
Indexes	

admin	
adminid	VARCHAR(16)
adminname	VARCHAR(255)
detail	VARCHAR(32)
create_time	TIMESTAMP
Indexes	

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SOURCE CODE :-

```
-----  
-- Schema espirecab  
-----  
  
-----  
-- Schema espirecab  
-----  
  
CREATE SCHEMA IF NOT EXISTS `espirecab` DEFAULT CHARACTER SET utf8 ;  
USE `espirecab` ;
```

```
-----  
-- Table `espirecab`.`admin`  
-----
```

```
CREATE TABLE IF NOT EXISTS `espirecab`.`admin` (  
  `adminid` VARCHAR(16) NOT NULL,  
  `adminname` VARCHAR(255) NOT NULL,  
  `` VARCHAR(32) NOT NULL,  
  `create_time` TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,  
  PRIMARY KEY (`adminid`))  
ENGINE = InnoDB;
```

```
-----  
-- Table `espirecab`.`book_cab`  
-----
```

```
CREATE TABLE IF NOT EXISTS `espirecab`.`book_cab` (  
  `cabid` INT NOT NULL,  
  `cabName` VARCHAR(45) NOT NULL,  
  `cabtype` VARCHAR(45) NOT NULL,  
  `source` VARCHAR(45) NOT NULL,  
  `cabmodel` VARCHAR(45) NOT NULL,  
  `cabdescription` VARCHAR(45) NOT NULL,  
  `book_cabcol3` VARCHAR(45) NOT NULL,  
  `admin_adminid` VARCHAR(16) NOT NULL,  
  PRIMARY KEY (`cabid`, `admin_adminid`),  
  INDEX `fk_book_cab_admin1_idx` (`admin_adminid` ASC) VISIBLE,  
  CONSTRAINT `fk_book_cab_admin1`  
    FOREIGN KEY (`admin_adminid`)  
    REFERENCES `espirecab`.`admin` (`adminid`)  
    ON DELETE NO ACTION
```

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- Table `espirecab`.`user`

```
CREATE TABLE IF NOT EXISTS `espirecab`.`user` (  
  `userid` VARCHAR(16) NOT NULL,  
  `usermail` VARCHAR(255) NOT NULL,  
  `password` VARCHAR(32) NOT NULL,  
  `bokid` VARCHAR(45) NOT NULL,  
  `user_copy1col` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`userid`))  
ENGINE = InnoDB;
```

-- Table `espirecab`.`driver`

```
CREATE TABLE IF NOT EXISTS `espirecab`.`driver` (  
  `driverid` VARCHAR(16) NOT NULL,  
  `cabid` VARCHAR(255) NOT NULL,  
  `cabname` VARCHAR(32) NOT NULL,  
  `create_time` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  `source` VARCHAR(45) NOT NULL,  
  `destination` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`driverid`))  
ENGINE = InnoDB;
```

```
-----  
-- Table `espirecab`.`book_cab_has_user`  
-----
```

```
CREATE TABLE IF NOT EXISTS `espirecab`.`book_cab_has_user` (  
  `book_cab_cabid` INT NOT NULL,  
  `user_useriid` VARCHAR(16) NOT NULL,  
  PRIMARY KEY (`book_cab_cabid`, `user_useriid`),  
  INDEX `fk_book_cab_has_user_user1_idx` (`user_useriid` ASC) VISIBLE,  
  INDEX `fk_book_cab_has_user_book_cab_idx` (`book_cab_cabid` ASC) VISIBLE,  
  CONSTRAINT `fk_book_cab_has_user_book_cab`  
    FOREIGN KEY (`book_cab_cabid`)  
      REFERENCES `espirecab`.`book_cab` (`cabid`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `fk_book_cab_has_user_user1`  
    FOREIGN KEY (`user_useriid`)  
      REFERENCES `espirecab`.`user` (`useriid`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

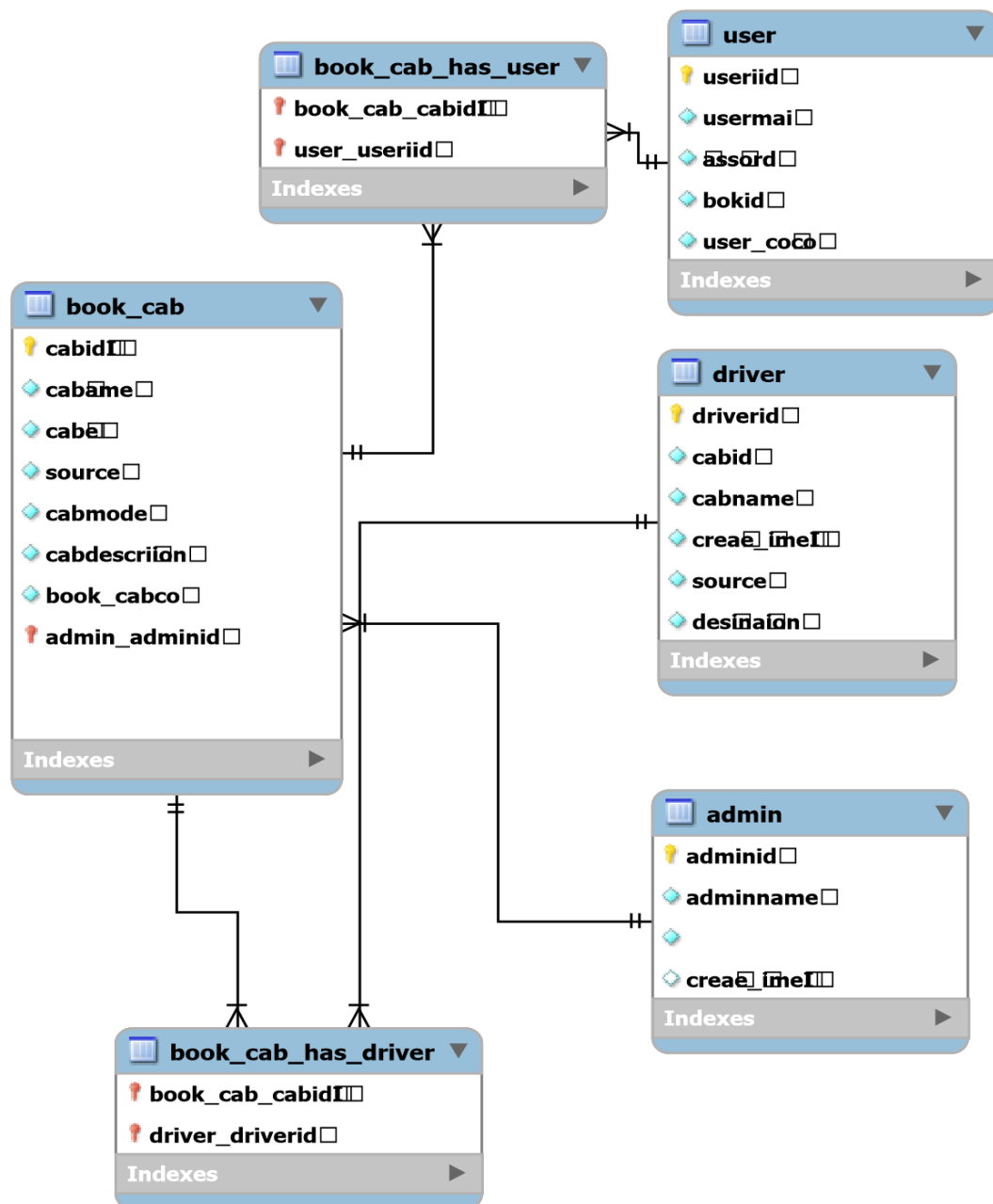
```
-----  
-- Table `espirecab`.`book_cab_has_driver`  
-----
```

```
CREATE TABLE IF NOT EXISTS `espirecab`.`book_cab_has_driver` (  
  `book_cab_cabid` INT NOT NULL,  
  `driver_driverid` VARCHAR(16) NOT NULL,  
  PRIMARY KEY (`book_cab_cabid`, `driver_driverid`),  
  INDEX `fk_book_cab_has_driver_driver1_idx` (`driver_driverid` ASC) VISIBLE,  
  INDEX `fk_book_cab_has_driver_book_cab1_idx` (`book_cab_cabid` ASC) VISIBLE,
```

```
CONSTRAINT `fk_book_cab_has_driver_book_cab1`  
  FOREIGN KEY (`book_cab_cabid`)  
    REFERENCES `espirecab`.`book_cab` (`cabid`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION,  
CONSTRAINT `fk_book_cab_has_driver_driver1`  
  FOREIGN KEY (`driver_driverid`)  
    REFERENCES `espirecab`.`driver` (`driverid`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

CAB BOOKING DATABASE DIAGRAAM:-



SOURCE CODE:-

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
```

```
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
```

```
SET @OLD_SQL_MODE=@@SQL_MODE,  
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,E  
RROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
```

```
-----
```

```
-- Schema mydb
```

```
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```

```
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```

```
-- Schema mydb
```

```
-----
```

```
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;  
USE `mydb`;
```

```
-----
```

```
-- Table `mydb`.`customer`
```

```
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`customer` (  
  `customerid` VARCHAR(16) NOT NULL,  
  `customerpaas` VARCHAR(255) NOT NULL,  
  `customername` VARCHAR(32) NOT NULL,  
  `customerphone` VARCHAR(45) NOT NULL,  
  `customeraddresss` VARCHAR(45) NOT NULL,  
  `customercol` VARCHAR(45) NOT NULL,  
  `customercol1` VARCHAR(45) NOT NULL,  
  `customercol2` VARCHAR(45) NOT NULL,  
  `customercol3` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`customerpaas`))  
ENGINE = InnoDB;
```

```
-----
```

-- Table `mydb`.`admin`

```
CREATE TABLE IF NOT EXISTS `mydb`.`admin` (  
  `adminid` VARCHAR(16) NOT NULL,  
  `adminname` VARCHAR(255) NOT NULL,  
  `detail` VARCHAR(32) NOT NULL,  
  `create_time` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  PRIMARY KEY (`adminid`),  
  UNIQUE INDEX `detail_UNIQUE` (`detail` ASC) VISIBLE)  
ENGINE = InnoDB;
```

-- Table `mydb`.`user`

```
CREATE TABLE IF NOT EXISTS `mydb`.`user` (  
  `userid` VARCHAR(16) NOT NULL,  
  `username` VARCHAR(255) NOT NULL,  
  `useremail` VARCHAR(32) NOT NULL,  
  `userphone` VARCHAR(45) NOT NULL,  
  `useraddress` VARCHAR(45) NOT NULL,  
  `customer_customerpaas` VARCHAR(255) NOT NULL,  
  `admin_adminid` VARCHAR(16) NOT NULL,  
  PRIMARY KEY (`username`, `customer_customerpaas`, `admin_adminid`),  
  UNIQUE INDEX `username_UNIQUE` (`username` ASC) VISIBLE,  
  INDEX `fk_user_customer1_idx` (`customer_customerpaas` ASC) VISIBLE,  
  INDEX `fk_user_admin1_idx` (`admin_adminid` ASC) VISIBLE,  
  CONSTRAINT `fk_user_customer1`  
    FOREIGN KEY (`customer_customerpaas`)  
    REFERENCES `mydb`.`customer` (`customerpaas`)  
    ON DELETE NO ACTION
```

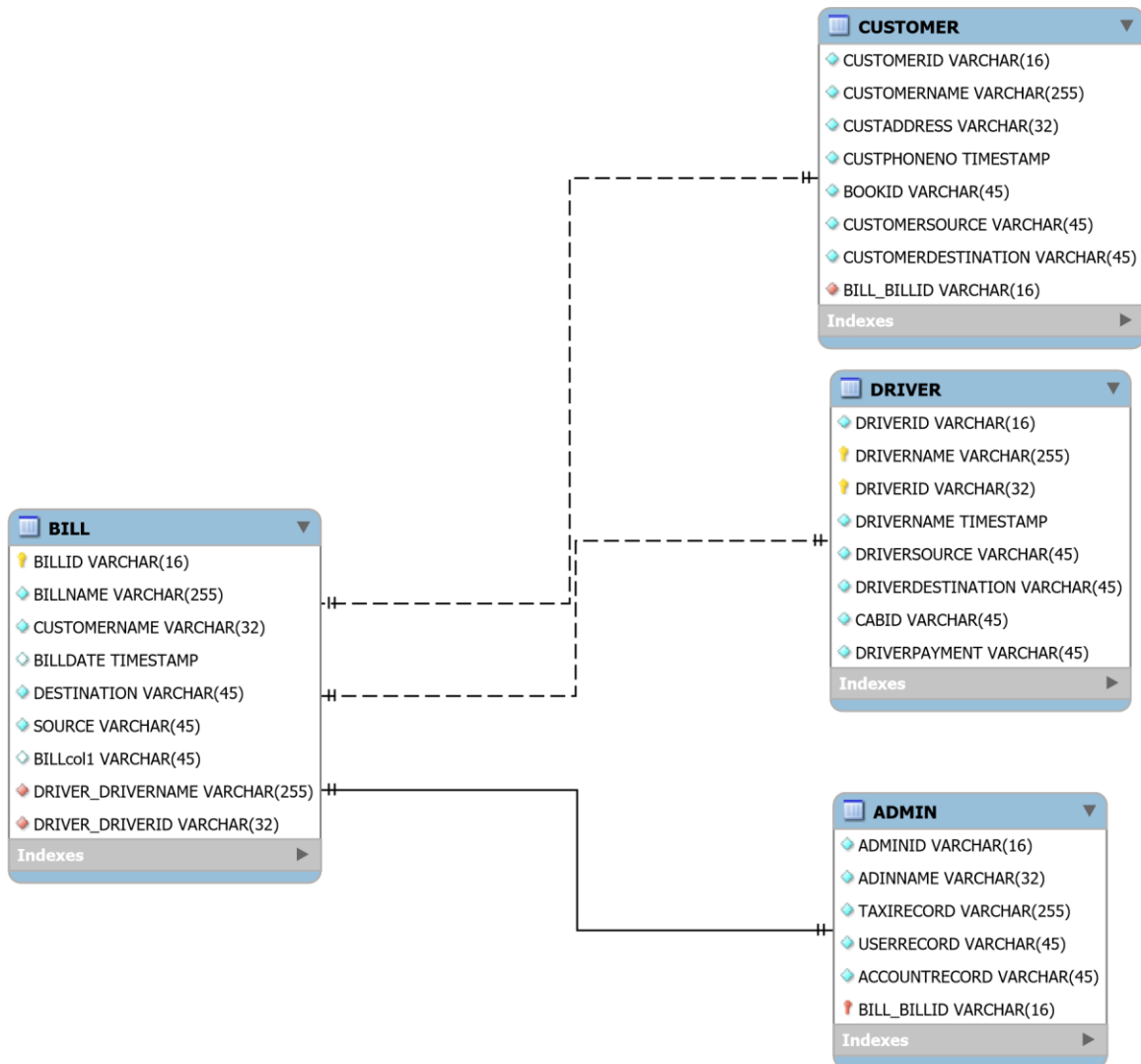
```
    ON UPDATE NO ACTION,  
CONSTRAINT `fk_user_admin1`  
    FOREIGN KEY (`admin_adminid`)  
    REFERENCES `mydb`.`admin` (`adminid`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-----  
-- Table `mydb`.`driver`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`driver` (  
    `driverid` VARCHAR(16) NOT NULL,  
    `drivename` VARCHAR(255) NOT NULL,  
    `driversource` VARCHAR(32) NOT NULL,  
    `cabtime` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
    `driverdestination` VARCHAR(45) NOT NULL,  
    `user_username` VARCHAR(255) NOT NULL,  
    PRIMARY KEY (`user_username`),  
    CONSTRAINT `fk_driver_user`  
        FOREIGN KEY (`user_username`)  
        REFERENCES `mydb`.`user` (`username`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

TABLE BILL :-



SOURCE CODE OF BILL TABLE:-

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
```

```
-----

-- Schema mydb

-----
```

```
-----

-- Schema mydb

-----
```

```
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb`;
```

```
-----

-- Table `mydb`.`DRIVER`

-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`DRIVER` (
  `DRIVERID` VARCHAR(16) NOT NULL,
  `DRIVERNAME` VARCHAR(255) NOT NULL,
  `DRIVERID` VARCHAR(32) NOT NULL,
  `DRIVERNAME` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `DRIVERSOURCE` VARCHAR(45) NOT NULL,
  `DRIVERDESTINATION` VARCHAR(45) NOT NULL,
```

```
`CABID` VARCHAR(45) NOT NULL,  
`DRIVERPAYMENT` VARCHAR(45) NOT NULL,  
PRIMARY KEY (`DRIVERNAME`, `DRIVERID`))  
ENGINE = InnoDB;
```

```
-----  
-- Table `mydb`.`BILL`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`BILL` (  
  `BILLID` VARCHAR(16) NOT NULL,  
  `BILLNAME` VARCHAR(255) NOT NULL,  
  `CUSTOMERNAME` VARCHAR(32) NOT NULL,  
  `BILLDATE` TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,  
  `DESTINATION` VARCHAR(45) NOT NULL,  
  `SOURCE` VARCHAR(45) NOT NULL,  
  `BILLcol1` VARCHAR(45) NULL,  
  `DRIVER_DRIVERNAME` VARCHAR(255) NOT NULL,  
  `DRIVER_DRIVERID` VARCHAR(32) NOT NULL,  
  PRIMARY KEY (`BILLID`),  
  UNIQUE INDEX `BILLID_UNIQUE` (`BILLID` ASC) VISIBLE,  
  INDEX `fk_BILL_DRIVER1_idx` (`DRIVER_DRIVERNAME` ASC, `DRIVER_DRIVERID` ASC) VISIBLE,  
  CONSTRAINT `fk_BILL_DRIVER1`  
    FOREIGN KEY (`DRIVER_DRIVERNAME`, `DRIVER_DRIVERID`)  
    REFERENCES `mydb`.`DRIVER` (`DRIVERNAME`, `DRIVERID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```


-- Table `mydb`.`CUSTOMER`

```
CREATE TABLE IF NOT EXISTS `mydb`.`CUSTOMER` (  
  `CUSTOMERID` VARCHAR(16) NOT NULL,  
  `CUSTOMERNAME` VARCHAR(255) NOT NULL,  
  `CUSTADDRESS` VARCHAR(32) NOT NULL,  
  `CUSTPHONENO` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  `BOOKID` VARCHAR(45) NOT NULL,  
  `CUSTOMERSOURCE` VARCHAR(45) NOT NULL,  
  `CUSTOMERDESTINATION` VARCHAR(45) NOT NULL,  
  `BILL_BILLID` VARCHAR(16) NOT NULL,  
  INDEX `fk_CUSTOMER_BILL_idx` (`BILL_BILLID` ASC) VISIBLE,  
  CONSTRAINT `fk_CUSTOMER_BILL`  
    FOREIGN KEY (`BILL_BILLID`)  
    REFERENCES `mydb`.`BILL` (`BILLID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

-- Table `mydb`.`ADMIN`

```
CREATE TABLE IF NOT EXISTS `mydb`.`ADMIN` (  
  `ADMINID` VARCHAR(16) NOT NULL,  
  `ADINNAME` VARCHAR(32) NOT NULL,  
  `TAXIRECORD` VARCHAR(255) NOT NULL,  
  `USERRECORD` VARCHAR(45) NOT NULL,  
  `ACCOUNTRECORD` VARCHAR(45) NOT NULL,  
  `BILL_BILLID` VARCHAR(16) NOT NULL,  
  PRIMARY KEY (`BILL_BILLID`),
```

```
CONSTRAINT `fk_ADMIN_BILL1`  
  FOREIGN KEY (`BILL_BILLID`)  
    REFERENCES `mydb`.`BILL` (`BILLID`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UN
```

PACAKAGE REGISTER DIAGRAAM

CLASS USER

PUBLIC CLASS USER .JAVA

USERID (PRIVATE)

USERNAME (PRIVATE)

USER ADDRESS(PRIVATE)

USER EMAIL(PRIVATE)

USER PHONE(PRIVATE)

DELETEUSER()

UPDATEUSER()

INSERTUSER()

GETUSERBYID()

USER INTERFACE

USERIMPL IMPLEMENT USER

DELETEUSER()

UPDATEUSER()

INSERTUSER()

GETUSER()


```
PUBLIC CLASS PAYMENT.JAVA
```

```
PAYMENTID (PRIVATE)
```

```
PAYMENT_NAME (PRIVATE)
```

```
DELETEPAYMENT()
```

```
UPDATEPAYMENT()
```

```
INSERTPAYMENT()
```

```
GETALLPAYMENT()
```

```
INTERFACE PAYMENTDAO
```

```
PAYMENTIMPL IMPLEMENT PAYMENTDAO
```

```
DELETEPAYMENT()
```

```
UPDATEPAYMENT()
```

```
INSERTPAYMENT()
```

```
GETALLPAYMENT()
```

PUBLIC CUSTOMER CLASS DETAILS .JAVA

CUSTID (PRIVATE)

CUSTNAME (PRIVATE)

CUST _ADDRESS(PRIVATE)

CUST _EMAIL(PRIVATE)

CUST _PAAS(PRIVATE)

DELETECUST()

UPDATECUST()

INSERTCUST()

GETALLCUSTBY ID()

INTERFACE CUSTDAO

CLASS CUSTIMPL IMPLEMENT CUSTDAO

DELETECUST()

UPDATECUST()

INSERTCUST()

GETALLCUSTBY ID()

```
PUBLIC CLASS ADMIN.JAVA
```

```
D (PRIVATE)
```

```
USERNAME (PRIVATE)
```

```
USER ADDRESS(PRIVATE)
```

```
USER EMAIL(PRIVATE)
```

```
USER PHONE(PRIVATE)
```

```
DELETEUSER()
```

```
UPDATEUSER()
```

```
INSERTUSER()
```

```
GETUSERBYID()
```

```
USER INTERFACE
```

```
USERIMPL IMPLEMENT USER
```

```
DELETEUSER()
```

```
UPDATEUSER()
```

```
INSERTUSER()
```

```
GETUSER()
```

```
PUBLIC CLASS FEEDBACK.JAVA
```

```
FEEDBACKID (PRIVATE)
```

```
FEEDBACK_DETAILS (PRIVATE)
```

```
DELETEFEEDBACK()
```

```
UPDATEFEEDBACK()
```

```
GETFEEDBACK()
```

```
INTERFACE FEEEDBACK DAO
```

```
PAYMENT IMPL IMPLEMENT FEEDBACK DAO
```

```
DELETEFEEDBACK()
```

```
UPDATEFEEDBACK()
```

```
GETFEEDBACK()
```



```
PUBLIC CLASS DRIVER .JAVA
```

```
DRIVERID (PRIVATE)
```

```
DRIVERNAME (PRIVATE)
```

```
DRIVER _ADDRESS(PRIVATE)
```

```
DRIVER _EMAIL(PRIVATE)
```

```
USER _PHONE(PRIVATE)
```

```
DELETEDRIVER()
```

```
UPDATEDRIVER()
```

```
INSERTDRIVER()
```

```
GETDRIVER()
```

```
acceptRide()
```

```
cancelRide()
```

```
showDriverDetail()
```

```
getConformationmessage()
```

```
INTERFACE DRIVERDAO
```

```
DRIVERIMPL IMPLEMENT DRIVERDAO
```

```
DELETEDRIVER()
```

```
UPDATEDRIVER()
```

```
INSERTDRIVER()
```

```
GETDRIVER()
```

```
acceptRide()
```

```
cancelRide()
```

```
showDriverDetail()
```

```
getConformationmessage()
```



```
PUBLIC CLASS BOOK .JAVA
```

```
BOOKID (PRIVATE)
```

```
BOOKNAME (PRIVATE)
```

```
SOURCE_NAME(PRIVATE)
```

```
DESTINATION_NAME(PRIVATE)
```

```
DRIVER_DETAIL(PRIVATE)
```

```
DELETEBOOK()
```

```
UPDATEBOOK()
```

```
INSERTBOOK()
```

```
GETALLBOOKBY ID()
```

```
INTERFACE BOOKDAO
```

```
DRIVERIMPL IMPLEMENT DRIVERDAO
```

```
DELETEBOOK()
```

```
UPDATEBOOK()
```

```
INSERTBOOK()
```

```
GETALLBOOKBY ID()
```