# Project

**Create Schema**

CREATE SCHEMA `project` ;

**TABLE DEFINITIONS**

**1) Employee\_Details Table:**

This table contains the information of the employees.

CREATE TABLE `employee\_details` (

`E\_ID` int NOT NULL,

`E\_NAME` varchar(30) NOT NULL,

`E\_DESIGNATION` varchar(40) NOT NULL,

`E\_ADDR` varchar(100) NOT NULL,

`E\_BRANCH` varchar(15) NOT NULL,

`E\_CONT\_NO` varchar(10) NOT NULL,

PRIMARY KEY (`E\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**2) Membership Table:**

This table contains the membership details of the customer or client.

CREATE TABLE `membership` (

`M\_ID` int NOT NULL,

`Start\_date` text NOT NULL,

`End\_date` text NOT NULL,

PRIMARY KEY (`M\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**3) Customer Table:**

This table contains the information of the customers or clients

CREATE TABLE `customer` (

`C\_ID` int NOT NULL,

`M\_ID` int NOT NULL,

`C\_NAME` varchar(30) NOT NULL,

`C\_EMAIL\_ID` varchar(50) NOT NULL,

`C\_TYPE` varchar(30) NOT NULL,

`C\_ADDR` varchar(100) NOT NULL,

`C\_CONT\_NO` varchar(10) NOT NULL,

PRIMARY KEY (`C\_ID`),

KEY `M id\_idx` (`M\_ID`),

CONSTRAINT `M id` FOREIGN KEY (`M\_ID`) REFERENCES `membership` (`M\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**4) Payment\_Details Table:**

This table contains the payment details.

CREATE TABLE `payment\_details` (

`Payment\_ID` varchar(40) NOT NULL,

`C\_ID` int NOT NULL,

`SH\_ID` varchar(6) NOT NULL,

`AMOUNT` int NOT NULL,

`Payment\_Status` varchar(10) NOT NULL,

`Payment\_Mode` varchar(25) NOT NULL,

`Payment\_Date` text NOT NULL,

PRIMARY KEY (`Payment\_ID`),

KEY `C\_ID\_idx` (`C\_ID`,`SH\_ID`),

KEY `SH\_ID\_idx` (`SH\_ID`),

CONSTRAINT `C\_ID` FOREIGN KEY (`C\_ID`) REFERENCES `customer` (`C\_ID`),

CONSTRAINT `SH\_ID` FOREIGN KEY (`SH\_ID`) REFERENCES `status` (`SH\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**5) Shipment\_Details Table:**

This table contains the shipment details.

CREATE TABLE `shipment\_details` (

`SH\_ID` varchar(6) NOT NULL,

`C\_ID` int NOT NULL,

`SH\_CONTENT` varchar(40) NOT NULL,

`SH\_DOMAIN` varchar(15) NOT NULL,

`SER\_TYPE` varchar(15) NOT NULL,

`SH\_WEIGHT` varchar(10) NOT NULL,

`SH\_CHARGES` int NOT NULL,

`SR\_ADDR` varchar(100) NOT NULL,

`DS\_ADDR` varchar(100) NOT NULL,

PRIMARY KEY (`SH\_ID`),

KEY `C\_ID\_idx` (`C\_ID`),

CONSTRAINT `C\_ID2` FOREIGN KEY (`C\_ID`) REFERENCES `customer` (`C\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**6) Status table:**

This table contains the details about the delivery status.

CREATE TABLE `status` (

`SH\_ID` varchar(6) NOT NULL,

`Current\_Status` varchar(15) NOT NULL,

`Sent\_date` text NOT NULL,

`Delivery\_date` text NOT NULL,

PRIMARY KEY (`SH\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**7) Employee Manages Shipment Table:**

This is a relationship table between the employee and the shipment table.

CREATE TABLE `employee\_manages\_shipment` (

`Employee\_E\_ID` int NOT NULL,

`Shipment\_Sh\_ID` varchar(6) NOT NULL,

`Status\_Sh\_ID` varchar(6) NOT NULL,

KEY `STATUS\_SH\_ID\_idx` (`Status\_Sh\_ID`),

KEY `SHIPMENT\_SH\_ID\_idx` (`Shipment\_Sh\_ID`),

KEY `EMPLOYE\_E\_ID\_idx` (`Employee\_E\_ID`),

CONSTRAINT `EMPLOYE\_E\_ID` FOREIGN KEY (`Employee\_E\_ID`) REFERENCES `employee\_details` (`E\_ID`),

CONSTRAINT `SHIPMENT\_SH\_ID` FOREIGN KEY (`Shipment\_Sh\_ID`) REFERENCES `shipment\_details` (`SH\_ID`),

CONSTRAINT `STATUS\_SH\_ID` FOREIGN KEY (`Status\_Sh\_ID`) REFERENCES `status` (`SH\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_c

**ER DIAGRAM**

