

# → TRABAJO PRACTICO BD ←



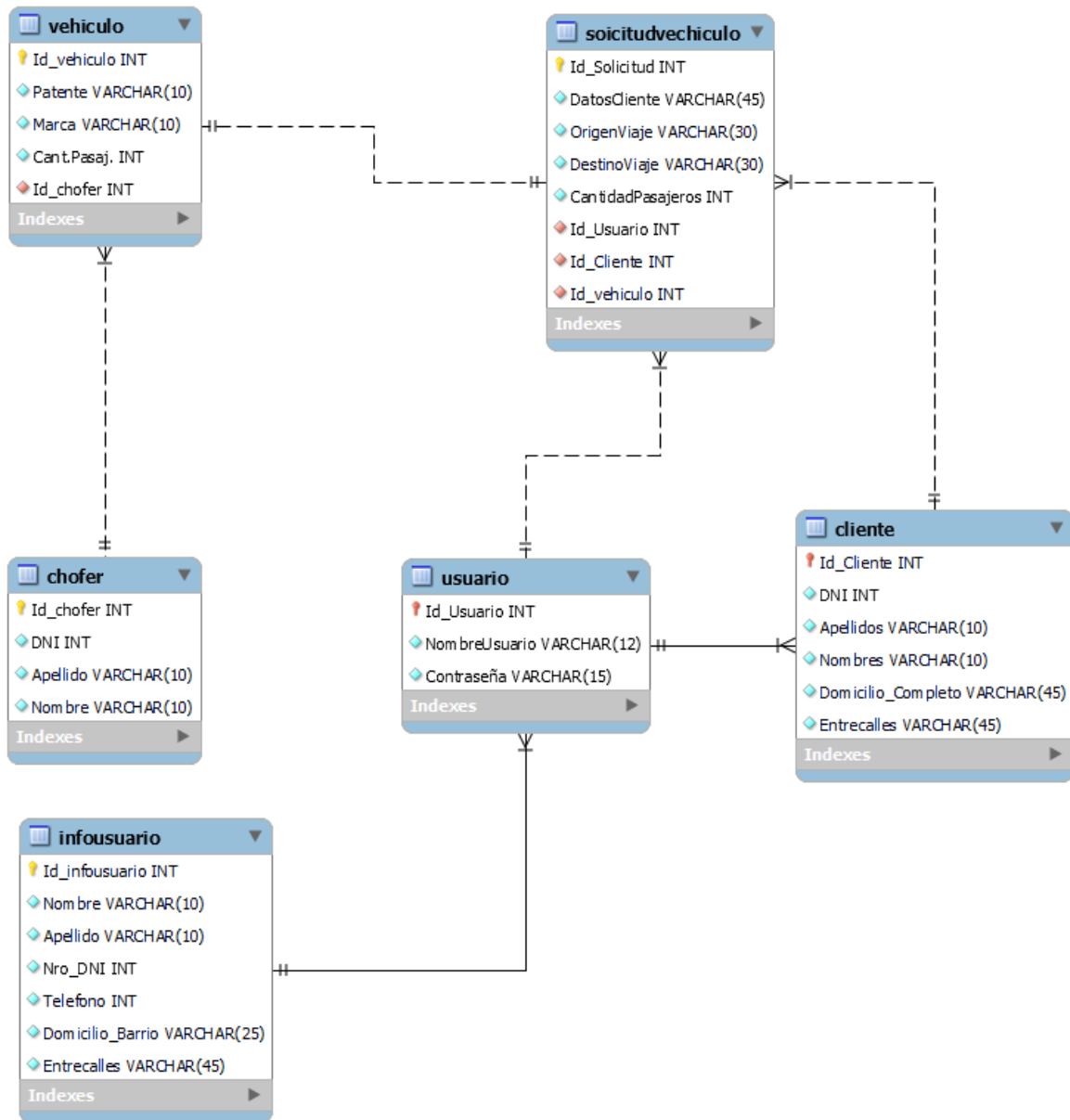
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**Asignatura:** Base de Datos 2021.

**Carrera:** Tecnicatura superior en desarrollo web y aplicaciones digitales.

### Imagen del modelo relacional generado



## Script DDL

Copia del texto de Script generado por MySQL Workbench

-- MySQL Workbench Forward Engineering

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';

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-- Schema mydb

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-- Schema remisapp

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-- Schema remisapp

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

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-- Table `remisapp`.`chofer`

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CREATE TABLE IF NOT EXISTS `remisapp`.`chofer` (  
 `Id\_chofer` INT NOT NULL AUTO\_INCREMENT,

```
`DNI` INT NOT NULL,  
`Apellido` VARCHAR(10) NOT NULL,  
`Nombre` VARCHAR(10) NOT NULL,  
PRIMARY KEY (`Id_chofer`),  
UNIQUE INDEX `Id_chofer_UNIQUE` (`Id_chofer` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

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```
-- Table `remisapp`.`infousuario`
```

```
-- -----
```

```
CREATE TABLE IF NOT EXISTS `remisapp`.`infousuario` (  
  `Id_infousuario` INT NOT NULL,  
  `Nombre` VARCHAR(10) NOT NULL,  
  `Apellido` VARCHAR(10) NOT NULL,  
  `Nro_DNI` INT NOT NULL,  
  `Telefono` INT NOT NULL,  
  `Domicilio_Barrio` VARCHAR(25) NOT NULL,  
  `Entrecalles` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`Id_infousuario`),  
  UNIQUE INDEX `Id_infousuario_UNIQUE` (`Id_infousuario` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb3;
```

```
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```
-- Table `remisapp`.`usuario`
```

```
-- -----
```

```

CREATE TABLE IF NOT EXISTS `remisapp`.`usuario` (
  `Id_Usuario` INT NOT NULL,
  `NombreUsuario` VARCHAR(12) NOT NULL,
  `Contraseña` VARCHAR(15) NOT NULL,
  UNIQUE INDEX `NombreUsuario_UNIQUE` (`NombreUsuario` ASC) VISIBLE,
  UNIQUE INDEX `Contraseña_UNIQUE` (`Contraseña` ASC) VISIBLE,
  PRIMARY KEY (`Id_Usuario`),
  CONSTRAINT `Id_infousuario`
    FOREIGN KEY (`Id_Usuario`)
      REFERENCES `remisapp`.`infousuario` (`Id_infousuario`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

```

```

-- -----
-- Table `remisapp`.`cliente`
-- -----

```

```

CREATE TABLE IF NOT EXISTS `remisapp`.`cliente` (
  `Id_Cliente` INT NOT NULL,
  `DNI` INT NOT NULL,
  `Apellidos` VARCHAR(10) NOT NULL,
  `Nombres` VARCHAR(10) NOT NULL,
  `Domicilio_Completo` VARCHAR(45) NOT NULL,
  `Entrecalles` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Id_Cliente`),
  CONSTRAINT `Id_Usuario`
    FOREIGN KEY (`Id_Cliente`)
      REFERENCES `remisapp`.`usuario` (`Id_Usuario`))
ENGINE = InnoDB

```

DEFAULT CHARACTER SET = utf8mb3;

-- -----

-- Table `remisapp`.`vehiculo`

-- -----

```
CREATE TABLE IF NOT EXISTS `remisapp`.`vehiculo` (  
  `Id_vehiculo` INT NOT NULL AUTO_INCREMENT,  
  `Patente` VARCHAR(10) NOT NULL,  
  `Marca` VARCHAR(10) NOT NULL,  
  `Cant.Pasaj.` INT NOT NULL,  
  `Id_chofer` INT NOT NULL,  
  PRIMARY KEY (`Id_vehiculo`),  
  UNIQUE INDEX `Id_vehiculo_UNIQUE` (`Id_vehiculo` ASC) VISIBLE,  
  INDEX `Id_chofer_idx` (`Id_chofer` ASC) VISIBLE,  
  CONSTRAINT `Id_chofer`  
    FOREIGN KEY (`Id_chofer`)  
      REFERENCES `remisapp`.`chofer` (`Id_chofer`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb3;
```

-- -----

-- Table `remisapp`.`soicitudvehiculo`

-- -----

```
CREATE TABLE IF NOT EXISTS `remisapp`.`soicitudvehiculo` (  
  `Id_Solicitud` INT NOT NULL,  
  `DatosCliente` VARCHAR(45) NOT NULL,  
  `OrigenViaje` VARCHAR(30) NOT NULL,  
  `DestinoViaje` VARCHAR(30) NOT NULL,
```

```
`CantidadPasajeros` INT NOT NULL,  
`Id_Usuario` INT NOT NULL,  
`Id_Cliente` INT NOT NULL,  
`Id_vehiculo` INT NOT NULL,  
PRIMARY KEY (`Id_Solicitud`),  
UNIQUE INDEX `Id_Solicitud_UNIQUE` (`Id_Solicitud` ASC) VISIBLE,  
INDEX `Id_Usuario_idx` (`Id_Usuario` ASC) VISIBLE,  
INDEX `Id_Cliente_idx` (`Id_Cliente` ASC) VISIBLE,  
INDEX `Id_vehiculo_idx` (`Id_vehiculo` ASC) VISIBLE,  
CONSTRAINT `Id_Cliente`  
  FOREIGN KEY (`Id_Cliente`)  
    REFERENCES `remisapp`.`cliente` (`Id_Cliente`),  
CONSTRAINT `Id_Usuario`  
  FOREIGN KEY (`Id_Usuario`)  
    REFERENCES `remisapp`.`usuario` (`Id_Usuario`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
CONSTRAINT `Id_vehiculo`  
  FOREIGN KEY (`Id_vehiculo`)  
    REFERENCES `remisapp`.`vehiculo` (`Id_vehiculo`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

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

### Consultas SQL solicitadas en base a su modelo de negocio

Consulta y modificación sobre vehículos disponibles para transporte de pasajeros

05:05:07      USE remisapp      0 row(s) affected      0.000 sec

05:05:10      INSERT INTO usuario (Id Usuario, NombreUsuario, Contraseña)  
VALUES ('004','Juan','hola123456')      1 row(s) affected      0.078 sec

05:05:11      INSERT INTO usuario (Id Usuario, NombreUsuario, Contraseña)  
VALUES ('005','Pedro','hola112233')      1 row(s) affected      0.078 sec

05:05:12      INSERT INTO usuario (Id Usuario, NombreUsuario, Contraseña)  
VALUES ('006','Fasola','hola123456')      1 row(s) affected      0.078 sec

05:05:14      SELECT \* FROM usuario WHERE NombreUsuario="Juan" LIMIT 0,  
1000      2 row(s) returned      0.000 sec / 0.000 sec

05:05:15      SELECT \* FROM usuario WHERE Contraseña="hola123456" LIMIT 0,  
1000      4 row(s) returned      0.000 sec / 0.000 sec

05:05:17      CREATE USER Fabricio IDENTIFIED BY '123456'      0 row(s) affected  
0.094 sec

05:05:25      DROP USER Fabricio      0 row(s) affected      0.079 sec

05:05:27      INSERT INTO vehiculo (Id vehiculo, Patente, Marca, Id Chofer)  
VALUES ('0005','AA000AA','FiatCronos', '00001')      1 row(s) affected      0.078 sec

05:05:29      INSERT INTO vehiculo (Id vehiculo, Patente, Marca, Id Chofer)  
VALUES ('0006','AA001AA','FiatPalio', '00002')      1 row(s) affected      0.141 sec

05:11:07      INSERT INTO vehiculo (Id vehiculo, Patente, Marca, Id Chofer)  
VALUES ('0007','AA007AA','AUDIA3', '00007'), ('0008','AA008AA','BMW430i', '00008'),  
( '0009','AA009AA','CHERRYQQ', '00009'), ('0010','AA010AA','MBENZ12', '000010'),



('00011','AA011AA','COROLA','000011') 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0 0.094 sec

05:16:55 UPDATE vehiculo SET Patente='ZZ999ZZ' WHERE Id\_vehiculo='0005' 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0 0.109 sec

05:24:31 UPDATE vehiculo SET Patente=replace(Patente, 'AA', 'ZZ') Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY column. To disable safe mode, toggle the option in Preferences -> SQL Editor and reconnect. 0.000 sec

05:27:06 UPDATE vehiculo SET Patente=replace(Patente, 'AA', 'ZZ') 8 row(s) affected Rows matched: 9 Changed: 8 Warnings: 0 0.078 sec

05:28:52 DELETE FROM vehiculo WHERE Id\_vehiculo='0006' 1 row(s) affected 0.093 sec

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USE remisapp;

INSERT INTO usuario (Id\_Usuario, NombreUsuario, Contraseña) VALUES ('004','Juan','hola123456');

INSERT INTO usuario (Id\_Usuario, NombreUsuario, Contraseña) VALUES ('005','Pedro','hola112233');

INSERT INTO usuario (Id\_Usuario, NombreUsuario, Contraseña) VALUES ('006','Fasola','hola123456');

SELECT \* FROM usuario WHERE NombreUsuario="Juan";

SELECT \* FROM usuario WHERE Contraseña="hola123456";

CREATE USER Fabricio IDENTIFIED BY '123456';

SELECT \* FROM user;

DROP USER Fabricio;

INSERT INTO vehiculo (Id\_vehiculo, Patente, Marca, Id\_Chofer) VALUES ('0005','AA000AA','FiatCronos','00001');

INSERT INTO vehiculo (Id\_vehiculo, Patente, Marca, Id\_Chofer) VALUES ('0006','AA001AA','FiatPalio', '00002');

INSERT INTO vehiculo (Id\_vehiculo, Patente, Marca, Id\_Chofer) VALUES ('0007','AA007AA','AUDIA3', '00007'), ('0008','AA008AA','BMW430i', '00008'), ('0009','AA009AA','CHERRYQQ', '00009'), ('0010','AA010AA','MBENZ12', '000010'), ('00011','AA011AA','COROLA', '000011');

UPDATE vehiculo SET Patente='ZZ999ZZ' WHERE Id\_vehiculo='0005';

UPDATE vehiculo SET Patente=replace(Patente, 'AA', 'ZZ');

DELETE FROM vehiculo WHERE Id\_vehiculo='0006';

**SALUDOS CORDIALES.**