

cab-booking-app/

- ├─ config/
  - └─ db.js
- ├─ controllers/
  - └─ bookingController.js
  - └─ cabController.js
  - └─ userController.js
- ├─ models/
  - └─ bookingModel.js
  - └─ cabModel.js
  - └─ userModel.js
- ├─ routes/
  - └─ bookingRoutes.js
  - └─ cabRoutes.js
  - └─ userRoutes.js
- └─ app.js
- └─ package.json

(config/db.js)

```
js

const mysql = require('mysql2');
const connection = mysql.createConnection({
  host: 'localhost',
  user: 'root',
  password: '', // Your MySQL password
  database: 'cab_booking'
});

connection.connect((err) => {
  if (err) throw err;
  console.log('MySQL Connected!');
});

module.exports = connection;
```

sql

```
CREATE DATABASE cab_booking;

USE cab_booking;

CREATE TABLE users (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(255),
  email VARCHAR(255)
);

CREATE TABLE cabs (
  id INT AUTO_INCREMENT PRIMARY KEY,
  driver_name VARCHAR(255),
  car_model VARCHAR(255),
  is_available BOOLEAN DEFAULT true
);

CREATE TABLE bookings (
  id INT AUTO_INCREMENT PRIMARY KEY,
  user_id INT,
  cab_id INT,
  pickup_location VARCHAR(255),
  drop_location VARCHAR(255),
  status VARCHAR(50),
  FOREIGN KEY (user_id) REFERENCES users(id),
  FOREIGN KEY (cab_id) REFERENCES cabs(id)
);
```

models/userModel.js

```
js Copy Edit

const db = require('../config/db');

exports.createUser = (name, email, callback) => {
  db.query('INSERT INTO users (name, email) VALUES (?, ?)', [name, email], callback);
};
```

models/cabModel.js

```
js Copy Edit

const db = require('../config/db');

exports.getAvailableCabs = (callback) => {
  db.query('SELECT * FROM cabs WHERE is_available = true', callback);
};
```

models/bookingModel.js

```
js Copy Edit

const db = require('../config/db');

exports.createBooking = (userId, cabId, pickup, drop, callback) => {
  db.query(
    'INSERT INTO bookings (user_id, cab_id, pickup_location, drop_location, status) VALUES (?, ?, ?, ?, ?)',
    [userId, cabId, pickup, drop, 'booked'],
    callback
  );

  db.query('UPDATE cabs SET is_available = false WHERE id = ?', [cabId]);
};
```