PARKLINE

**SYNOPSIS**

This system helps an individual to pre book the parking spot from the distant area of allowing a user to know the availability of parking space in advance.It also handles and organize the data of vehicles.

This also provides service like driving vehicles of the customers vehicles from and to the parking space. It gives the time information about car parking spot and the number of open spots. This software can be used in different locations and has countless benefits for the customers.

This saves time and overall emission. Additional to these service customer could avail to lease .their vehicles from the parking facility. The customer is provided with the option of hiring a driver in order to meet their transportation requirements

This is developed using Django (python based architecture). Front-end: html,js,css.

Back-end: python using django

# OBJECTIVE

The main objective of the parkline is to connect - people who have immediate need for parking space (Such as office, home etc) .It also aimed to provide long term parking facility where the owners can deicide to either make an interest amount by rent it to others or to pay minimal deposit for the parking space .An also added objective of the system is to provide an option to rent an driver as per there need and location.

# SYSTEM REQUIREMENTS

|  |  |
| --- | --- |
| RAM | Recommended 8.00 GB |
| Hard disk | 256 GB |
| Processor | Intel(R) Core (TM) i3-1005G1 |

|  |  |
| --- | --- |
| Processing speed | CPU @ 1.50GHZ |

1. **MODULES DESCRIPTION**

**Modules in the software**

* **Admin Panel-** The people in control have access to the admin dashboard, analytics and reports, customer management, pricing, and others
* **Slot booking-** The application provide parking slot booking facility by booking to it
* **Location-Based parking Recommendation -** The primary goal of the parkline to locate service professionals from nearby locations. With the feature of geolocation service listing, finding local-area parking slots becomes easier.
* **Lend/deposit an vehicle-** provide long term parking facility where the owners can decide to either make an interest amount by rent it to others or to pay minimal deposit for the parking space
* **User Profile-** After the successful registration of the user can manage there profile and avail the parkline provided facility.
* **Chat Box –** can interact to the team regarding any queries and resolve there problem.
* **Availability Management-** Along with viewing, service providers also have the option to accept or reject the tasks based on their availability. Due to the accessibility of the calendar panel in the application, performer can efficiently manage their appointments and schedule accordingly.
* **Rent a vehicle-** Another important parkline website feature is the availability of a vehicle and rent them as there interest.
* **Dashboard-**On the opening screen of the application, there should be a list of services offered from where the users can choose the desired services.
* **Rent a vehicle-** Another important parkline website feature is the availability of a driver and provide driver service for the need .
* **Login/registration-** user can login and register to join the parkline family.
* **Car booking-** user can book a vehicle with the driver for there requirement’s.

TABLES

Admin

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Admin ID |  |  |
| Password |  |  |

User

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| User ID |  |  |
| Password |  |  |
| Name |  |  |
| Email ID |  |  |
| Phone no |  |  |
| Address |  |  |

Warehouse

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Warehouse ID |  |  |
| Name |  |  |
| Address |  |  |
| Image |  |  |
| Location |  |  |
| capacity |  |  |

Slot

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Slot ID |  |  |
| From timing |  |  |
| To timing |  |  |
| Cost |  |  |
| Warehouse |  |  |
| Vehicle no |  |  |
| Vehicle name |  |  |
| Vehicle RC |  |  |

Rent vehicle

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| ID |  |  |
| Vehicle id |  |  |
| Name |  |  |
| Customer name |  |  |
| Phone no |  |  |
| Address |  |  |
| Booking timing |  |  |
| Return |  |  |
| Drop location |  |  |

Rent driver

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Booking id |  |  |
| Driver name |  |  |
| Driver id |  |  |
| Location |  |  |
| Vehicle type |  |  |
| Time slot |  |  |
| price |  |  |

Lend vehicle

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| ID |  |  |
| Vehicle ID |  |  |
| Address |  |  |
| Vehicle name |  |  |
| Vehicle type |  |  |
| Average mileage |  |  |
| Distance traveled |  |  |
| Time spent |  |  |
| Name |  |  |
| Phone no |  |  |
| Interest plan |  |  |
| UPI ID |  |  |
| Vehicle RC |  |  |
| Vehicle ID |  |  |
| Condition |  |  |

Drivers

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Driver name |  |  |
| Phone no |  |  |
| Age |  |  |
| Email id |  |  |
| Licence no |  |  |

Vehicle

|  |  |  |
| --- | --- | --- |
| Column name | Allow nulls | Data type |
| Vehicle id |  |  |
| Vehicle name |  |  |
| Description |  |  |
| Vehicle model |  |  |
| Capacity |  |  |
| Plate number |  |  |
| Owner id |  |  |
| price |  |  |