

pCar Android App

Pick Your Car With -



PCAR

Technology Overview

Android Studio IDE

XML for GUI Design

Java for Backend Operations

SQLite for Data Storage

Introduction

`Welcome to the pCar app! This application is designed to provide you with a comprehensive list of car makers and their corresponding car models. With this app, you can browse through a vast collection of car makers and their models, select your preferred car, and save it in your wish list.

This app is ideal for car enthusiasts who want to keep track of the latest car models and their features. It is also perfect for those who are planning to buy a car and want to explore different options before making a purchase.

One of the unique features of this app is the ability to save your favorite cars in a wish list. This feature allows you to keep track of the cars that caught your attention and compare them to make an informed decision. You can also modify and delete the list anytime to reflect your latest preferences.

Furthermore, you can add photos of your favorite car to your wish list. This feature allows you to personalize your experience and gives you a visual representation of the cars you like.

Overall, this app is a must-have for anyone interested in cars, whether you're a car enthusiast or someone looking to buy a car. It provides a comprehensive list of car makers and models, with the added benefit of being able to save your favorite cars and modify your wish list at any time.

Features

Login Page



The default page of the application is the login page. For the new users, They have to signup first. And the existing users can login directly.

4:50 1.00 KB/s 5G (100)

pCar

Pick Your Car With pCar

User ID

Enter Your Name

Password

Enter Your Password

LOGIN

SIGNUP

Mobile app login screen showing the 'pCar' header, a title 'Pick Your Car With pCar', and input fields for 'User ID' (labeled 'Enter Your Name') and 'Password' (labeled 'Enter Your Password'). There are 'LOGIN' and 'SIGNUP' buttons at the bottom.



After Clicking the Signup Button

4:50 1.00 KB/s 5G (100)

pCar

Create Your Account

Email ID

Enter Your Email ID

Password

Enter Password

SUBMIT

Mobile app signup screen showing the 'pCar' header, a title 'Create Your Account', and input fields for 'Email ID' (labeled 'Enter Your Email ID') and 'Password' (labeled 'Enter Password'). There is a 'SUBMIT' button at the bottom.

Signup Page



In the signup page,
Signup with your email
and password

4:54 0.53 KB 4G 100

pCar

Create Your Account

Email ID

user@gmail.com

Password

.....

SUBMIT

PCAR User added successfully



After successful
registration, The
Dashboard will open

5:38 42.0 KB 4G 100

pCar

Dashboard LOGOUT

Add a new car

11897= MID-TOWN TRAILERS

30727= Mid-Town Trailers

REFRESH ADD CAR

Your Cars

2231545 ONTARIO
3691=2231545 Ontario
SET IMAGE DELETE

280 TRAILERS
3707=280 Trailers
SET IMAGE DELETE

Login Page



Login with your
email and
password

4:54 0.28 KB/s 4G LTE 100%

pCar

Pick Your Car With pCar

User ID

user@gmail.com

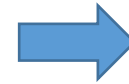
Password

.....

LOGIN

SIGNUP

PCAR Login successful



After successful
Login, The
Dashboard will
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5:38 42.0 KB/s 4G LTE 100%

pCar

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ADD CAR

Your Cars

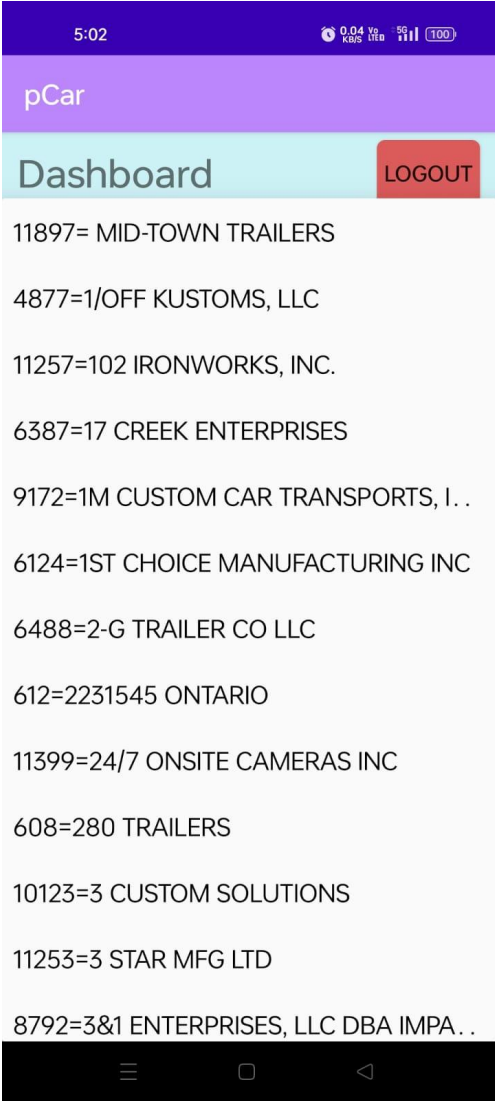
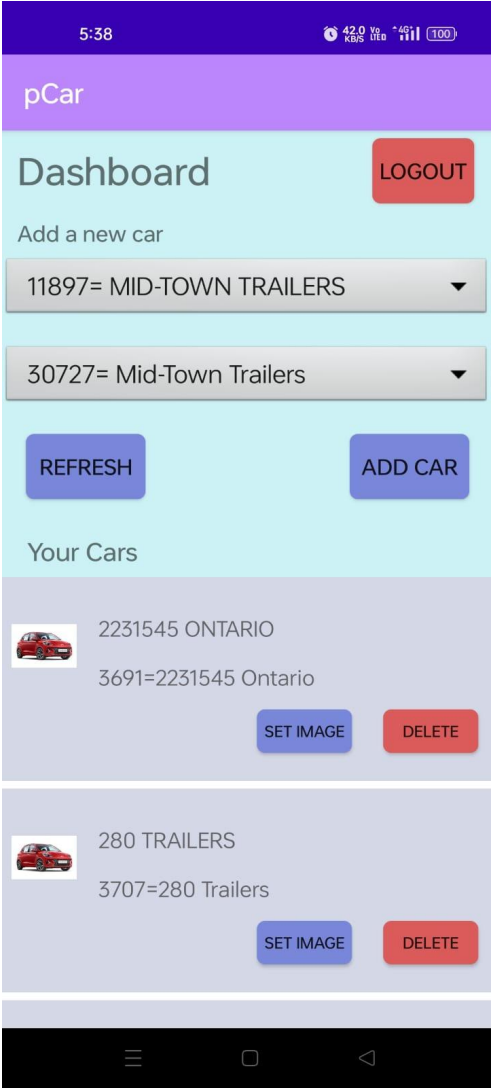
2231545 ONTARIO
3691=2231545 Ontario
SET IMAGE DELETE

280 TRAILERS
3707=280 Trailers
SET IMAGE DELETE

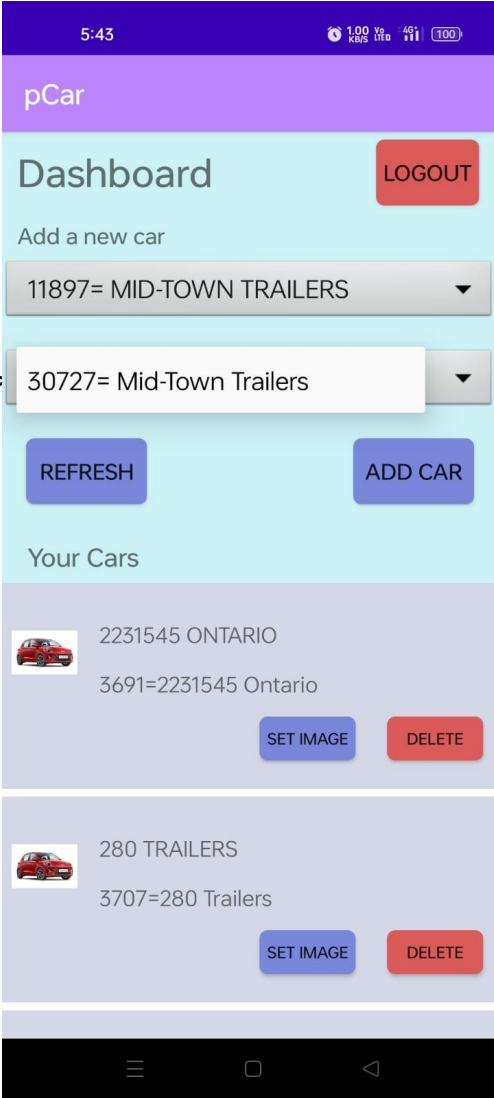
Select your Car



Select Car Make
from the list



Select Car
Model from
the list



Dashboard



The image shows a mobile application dashboard for 'pCar'. The interface includes a status bar at the top with the time 5:38, data usage 42.0 KB/S, and battery level 100%. The app header is purple with the 'pCar' logo. Below the header, the word 'Dashboard' is displayed in a large font, with a red 'LOGOUT' button to its right. A section titled 'Add a new car' contains two dropdown menus: the first shows '11897= MID-TOWN TRAILERS' and the second shows '30727= Mid-Town Trailers'. Below these are two blue buttons: 'REFRESH' and 'ADD CAR'. A section titled 'Your Cars' lists two cars. The first car is '2231545 ONTARIO' with a red car icon and the text '3691=2231545 Ontario' below it; it has a blue 'SET IMAGE' button and a red 'DELETE' button. The second car is '280 TRAILERS' with a red car icon and the text '3707=280 Trailers' below it; it also has a blue 'SET IMAGE' button and a red 'DELETE' button. Callout boxes provide instructions: 'Logout Button, click the button and you will go to the Login page again' points to the 'LOGOUT' button; 'Add the selectrd car in to the wish list' points to the 'ADD CAR' button; 'Refresh Your Wishlist clicking the Button' points to the 'REFRESH' button; 'Add Picture of your car from the gallery' points to the 'SET IMAGE' button for the first car; and 'Delete the car from your wishlist' points to the 'DELETE' button for the first car.

5:38 42.0 KB/S 100%

pCar

Dashboard

LOGOUT

Add a new car

11897= MID-TOWN TRAILERS

30727= Mid-Town Trailers

REFRESH ADD CAR

Your Cars

2231545 ONTARIO
3691=2231545 Ontario
SET IMAGE DELETE

280 TRAILERS
3707=280 Trailers
SET IMAGE DELETE

Logout Button, click the button and you will go to the Login page again

Add the selectrd car in to the wish list

Refresh Your Wishlist clicking the Button

Add Picture of your car from the gallery

Delete the car from your wishlist

Android Studio



Android Studio interface showing the development of the pCar application. The main window displays the activity_main.xml layout in Design mode, showing a dashboard with a "Logout" button, "Add a new car" section, and "Your Cars" section.

The interface includes the following components:

- Top Bar:** File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, Git, Window, Help. The current tab is pCar - activity_main.xml [pCar.app.main].
- Left Panel:** Resource Manager, Project, Commit, Pull Requests, Bookmarks, Build Variants. The Project view shows the file structure of the pCar app.
- Right Panel:** Code, Split, Design (selected). The Design view shows the visual representation of the layout.
- Bottom Bar:** Git, Run, Profiler, Logcat, App Quality Insights, Build, TODO, Problems, Terminal, Services, App Inspection, Layout Inspector. The status bar shows "Launch succeeded (23 minutes ago)" and "master".

The layout design includes the following elements:

- Dashboard:** A light blue container with a "Logout" button (red) and a "Add a new car" section with two dropdown menus.
- Your Cars:** A section with a "Refresh" button (blue) and an "Add Car" button (blue).

The Component Tree on the right lists the following components:

- ConstraintLayout (unnamed)
- car_make_spinner (warning icon)
- car_model_spinner (warning icon)
- lv (warning icon)
- button2 "Add Car" (warning icon)
- button "Refresh" (warning icon)
- button3 "Logout" (warning icon)
- Ab textView "Dashboard" (warning icon)
- Ab textView2 "Add a new car" (warning icon)
- Ab textView3 "Your Cars" (warning icon)

The bottom status bar shows the system clock: 5:12 AM, 4/17/2023.

Important Links



GitHub Repository Link - <https://github.com/abhijitsen936/pCar>