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Digital Product Archetecture and Design

Description:

Car store is a gallery application where the user can save or upload car images with their description. The first screen is for adding images, name, model, year, and price of cars. The second screen shows the list of cars with all the details and images. From this screen, you can also edit and delete by holding your click. The third screen opens a large view of the image, name, model, year and price. The application stores all the data inside of the SQLite database which allows the data to be stored on a permanent basis so that it can be retrieved when the application is started again so that data is not lost. The application uses a recycler view to display the list of cars and when the user selects any car from this list, a separate activity pops up, this displays the information related to that particular selected car.

Database Approach:

- **SQLite Database**

  The SQLite database is an embedded database used in the project to store car data. The main benefit of using the SQLite database is that it is very lightweight and can be embedded with the application itself.

Name and Methods of Database:

- **vehicle.db** (Name of Database created and used in this application)
- **cars** (Table Name in which the data for the cars are stored)
- **Create Table** (Query used for creating the tables)
- **Update Table** (Query used for updating data in the tables)
- **Delete Table** (Query used for deleting data in the tables)

Libraries:

- **Dexter for permission of storage**. (This library was used to ask for permissions related to storage of data)

· **Dexter for permission of camera**. (This library was used to ask for permissions related to accessing to a phone camera for taking photos/images).