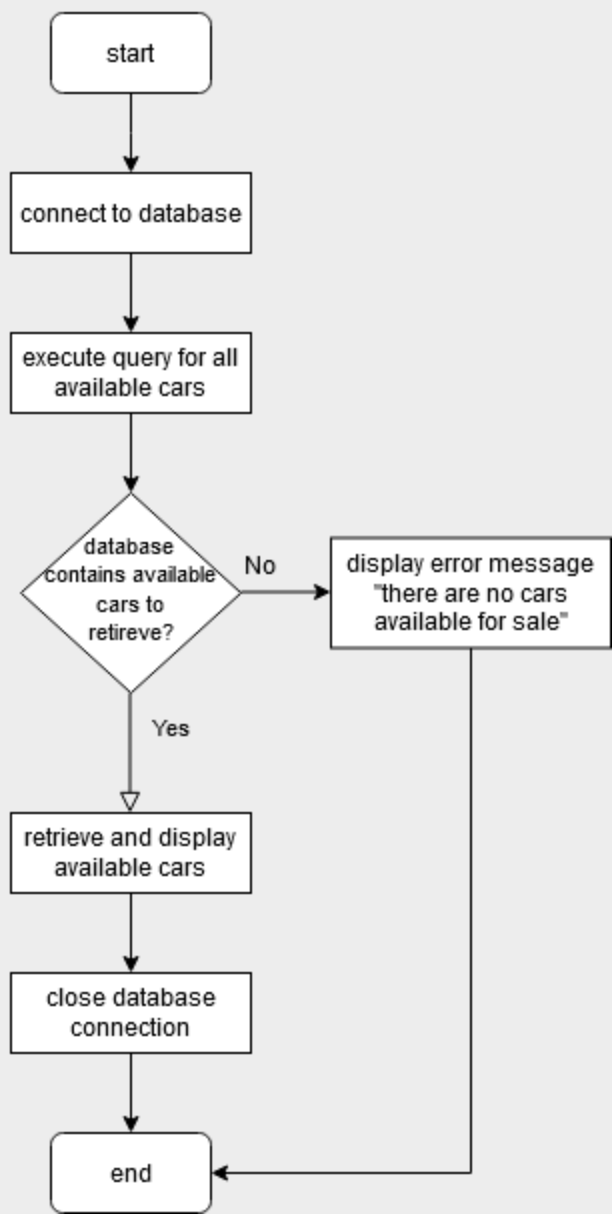# CarListing_ClassDiagram

Car Listing
retrieveAvailableCars() : void redirectionToCarPage() : void

CarListing_FlowChart_01

```
        ┌──────────────┐
        │    start     │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │  connect to  │
        │   database   │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │ execute query│
        │ for all      │
        │ available    │
        │ cars         │
        └──────┬───────┘
               │
               ▼
         ◇ database ◇          No      ┌────────────────────┐
        ◇  contains   ◇ ──────────────▶│ display error      │
        ◇ available   ◇                │ message "there are │
        ◇ cars to     ◇                │ no cars available  │
        ◇ retrieve?   ◇                │ for sale"          │
               │                       └──────────┬─────────┘
              Yes                                 │
               │                                  │
               ▼                                  │
        ┌──────────────┐                          │
        │ retrieve and │                          │
        │ display      │                          │
        │ available    │                          │
        │ cars         │                          │
        └──────┬───────┘                          │
               │                                  │
               ▼                                  │
        ┌──────────────┐                          │
        │ close        │                          │
        │ database     │                          │
        │ connection   │                          │
        └──────┬───────┘                          │
               │                                  │
               ▼                                  │
        ┌──────────────┐                          │
        │     end      │◀─────────────────────────┘
        └──────────────┘
```

CarListing_SequenceDiagram_01

Car Listing Page	Car Details Page

click on a car card

redirection request

car details page loaded