



# AN EXERCISE IN SOFTWARE REUSE

BY

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# REVERSE CAR BAY

...LIKE EBAY

...BUT FOR CARS

...IN REVERSE

# DEMO

**SO HOW IS IT MADE?**

# REQUIREMENTS ANALYSIS



Buyer

Pay for  
Car

Browse  
Enquiries

Log In

Sign Up

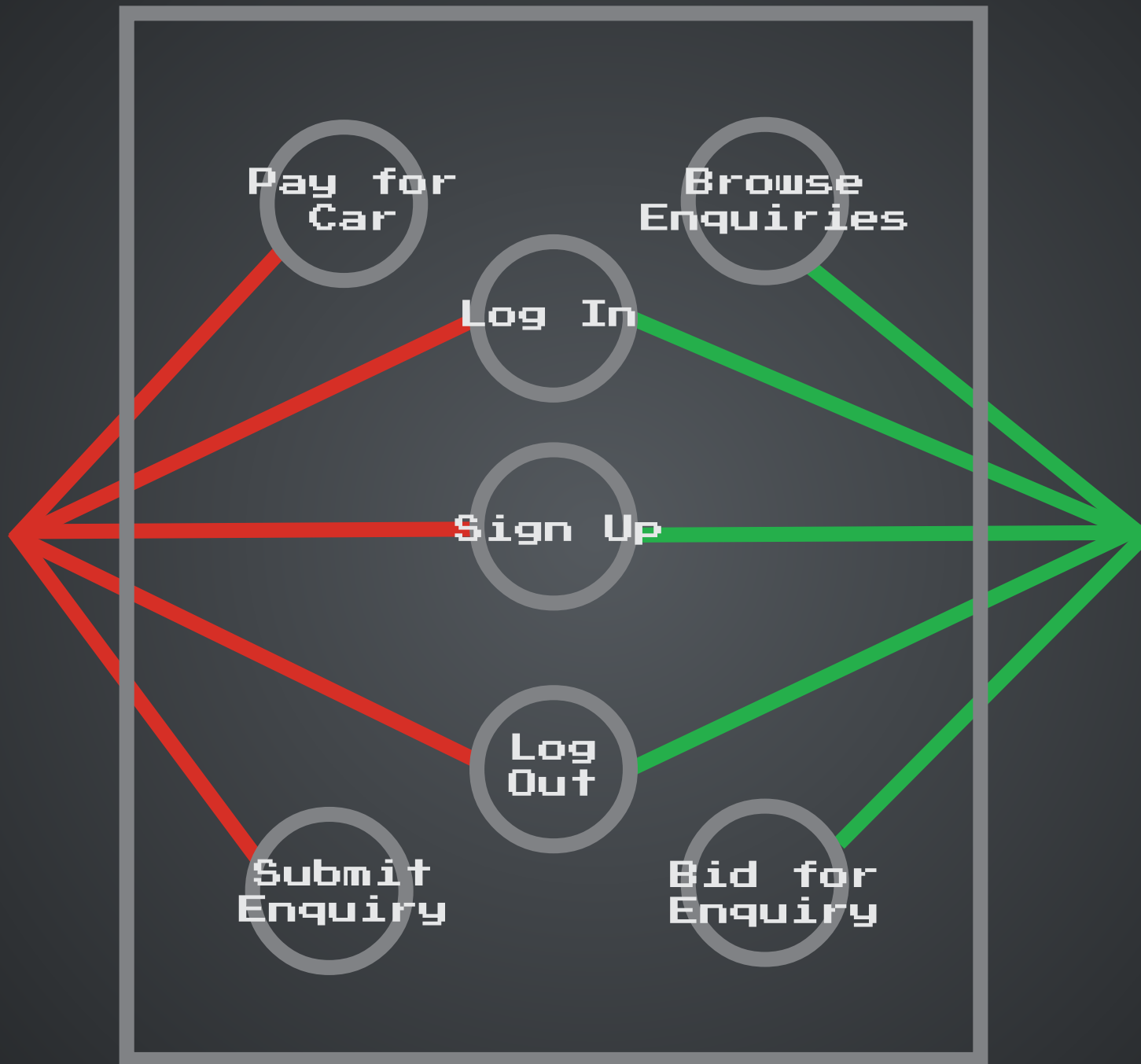
Log  
Out

Submit  
Enquiry

Bid for  
Enquiry



Seller



# CONSTRAINTS & LIMITATIONS

# TIME



# TEAM SKILLS

- HTML & CSS
- Javascript
- PHP
- MySql

# FRAMEWORKS

# FOUNDATION

## Foundation

An easy to use, powerful, and flexible framework for building prototypes and production code on any kind of device.

**Start here, build everywhere.**

**Download Foundation 2.1**

Boilerplate • CSS • JS • Plugins

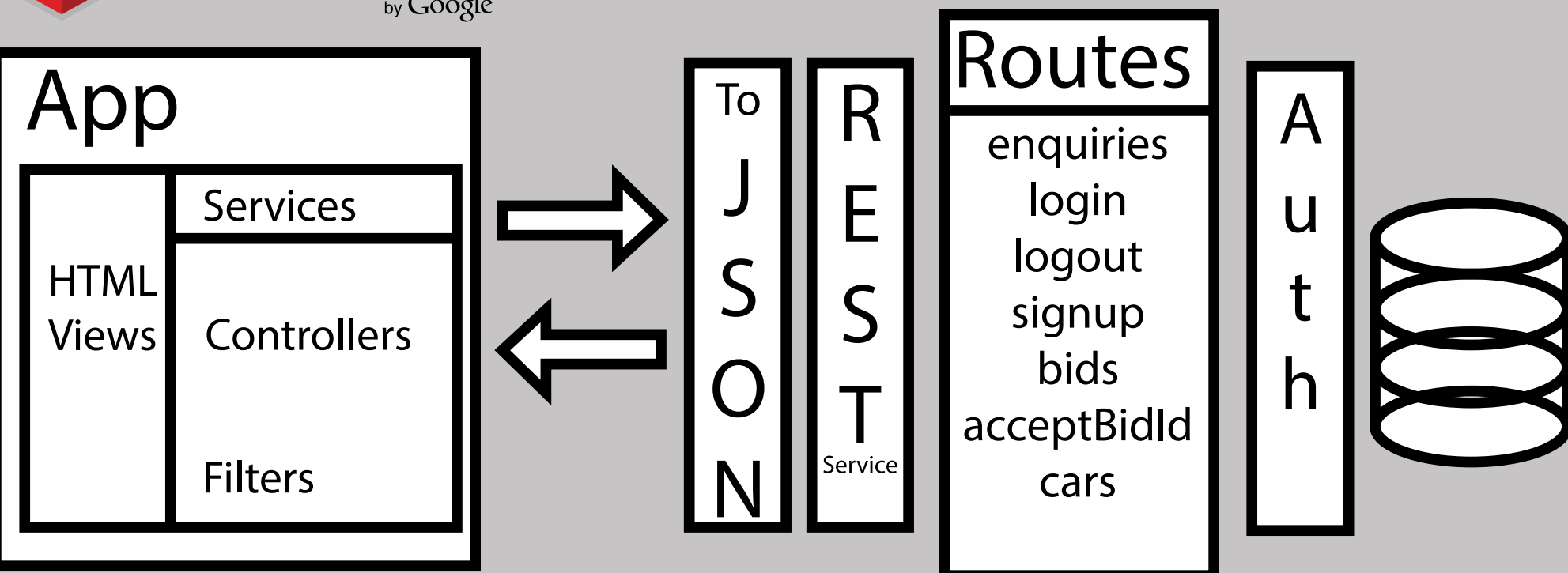


# ANGULAR

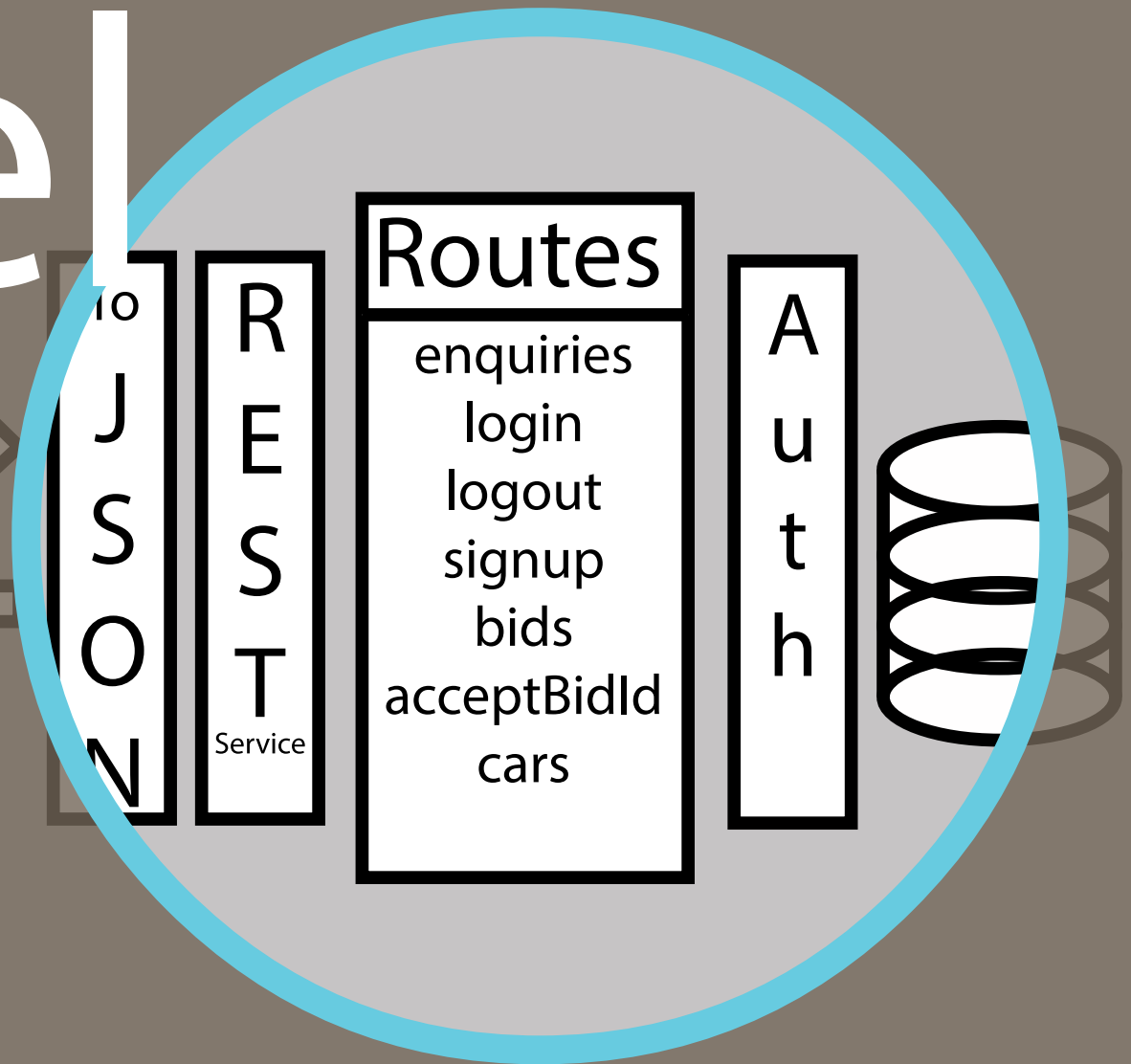
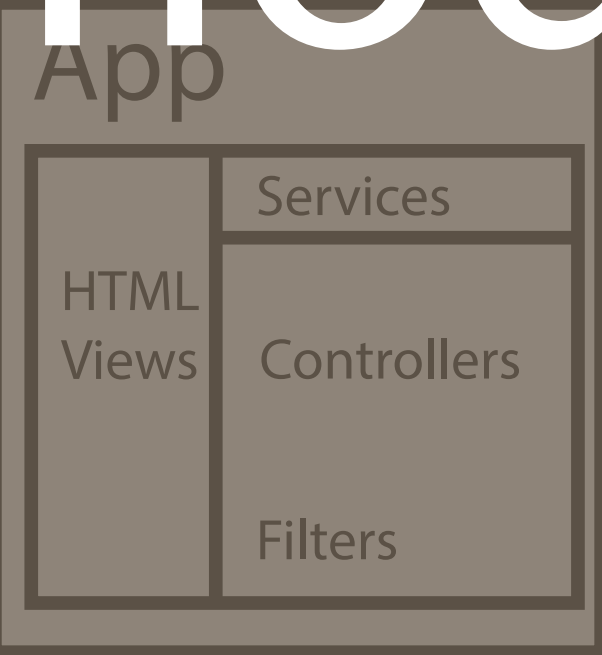


# DESIGN

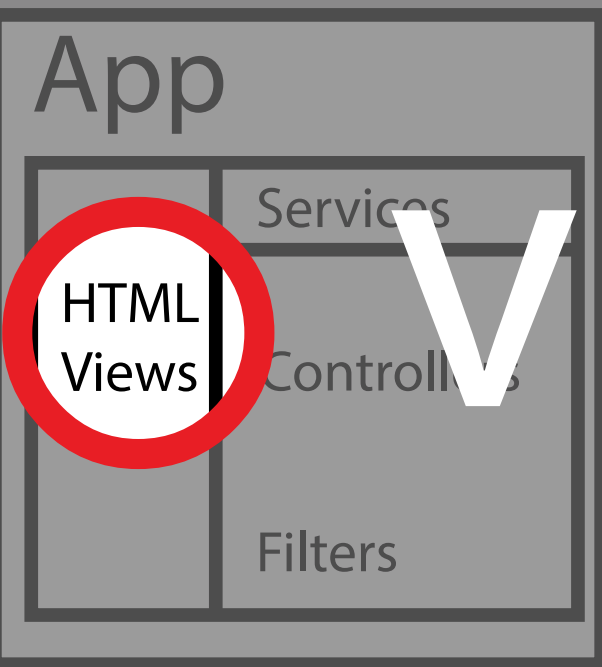
# APPLICATION ARCHITECTURE



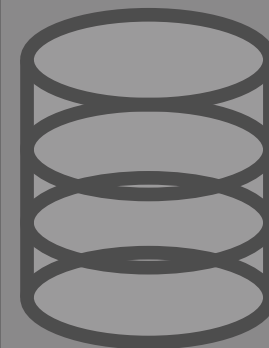
# model

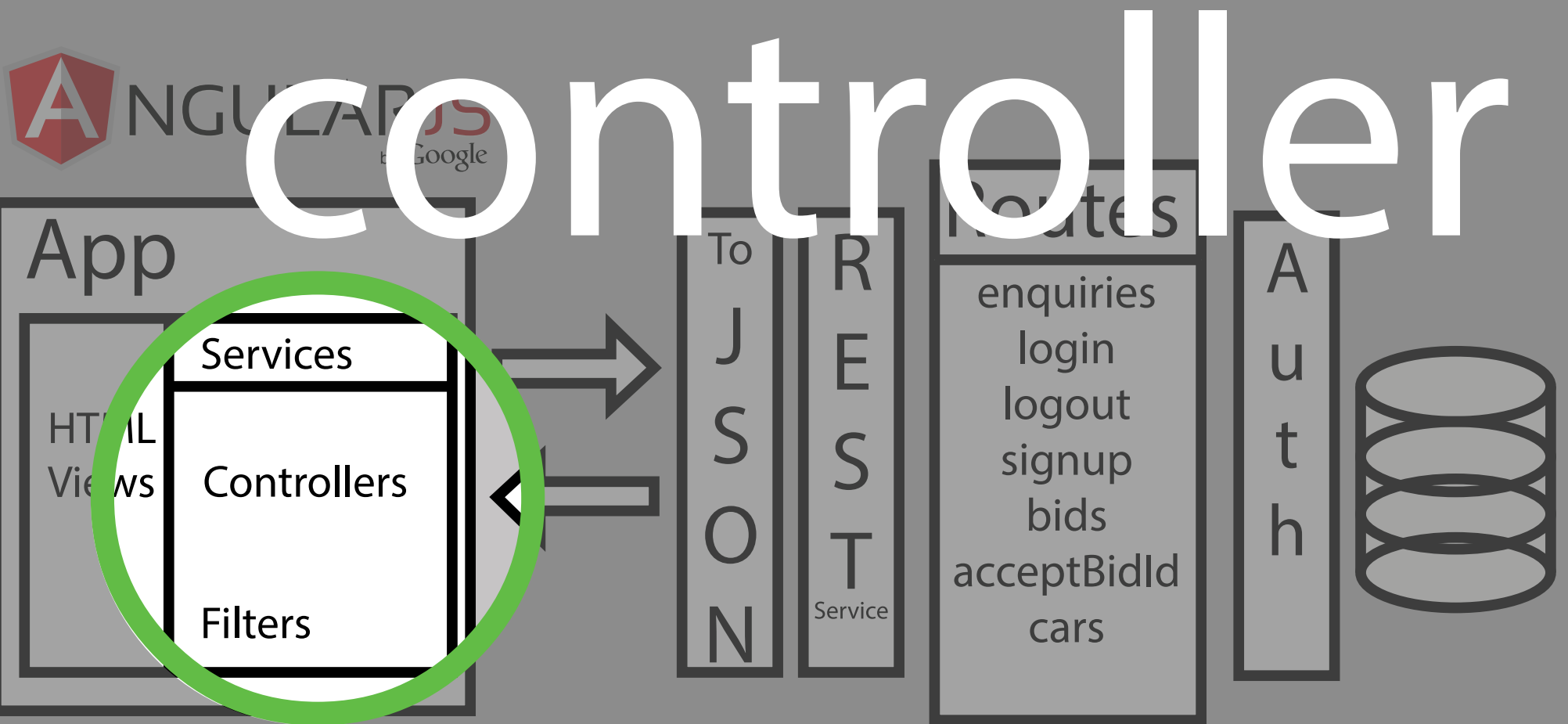




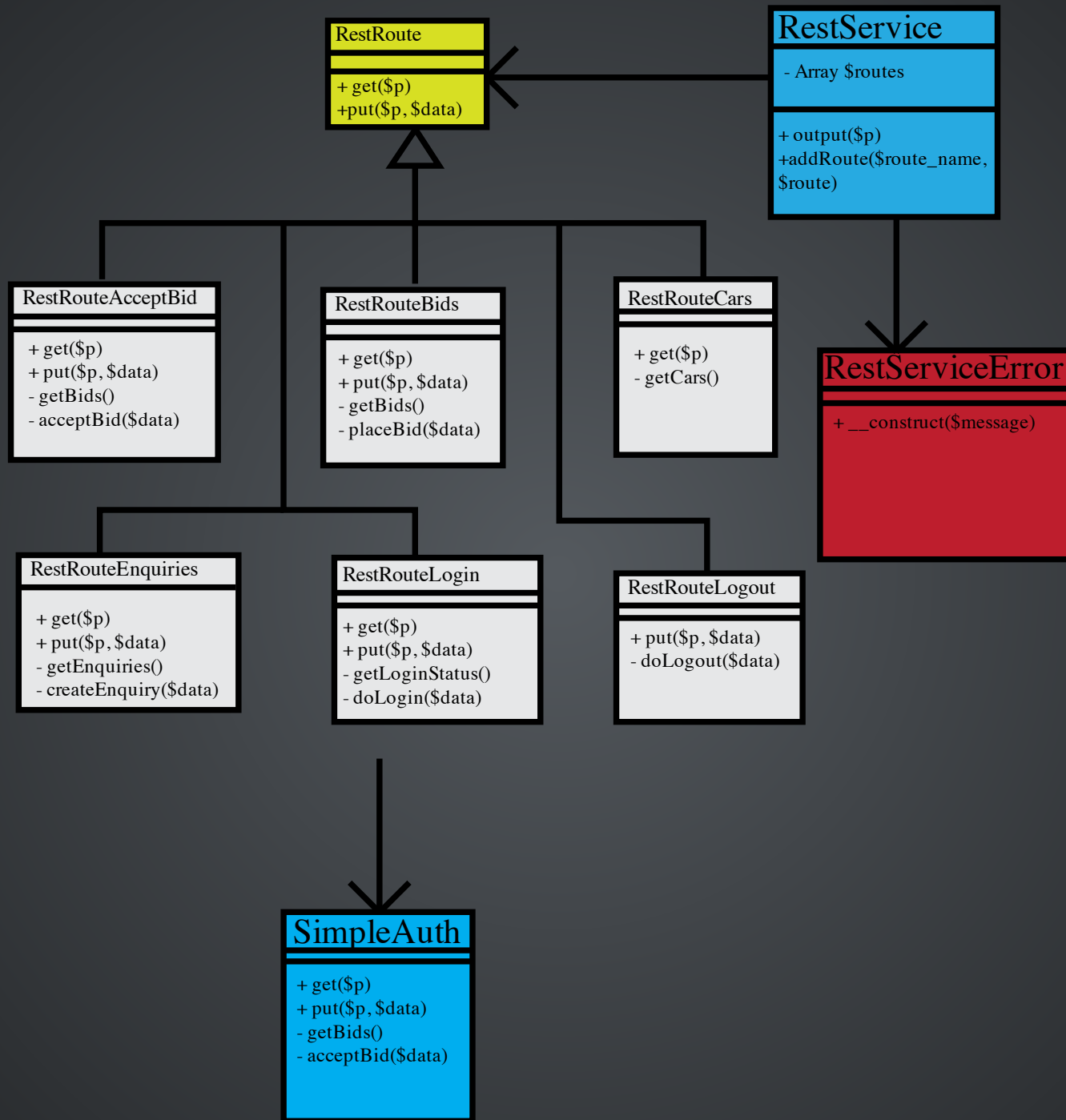


view

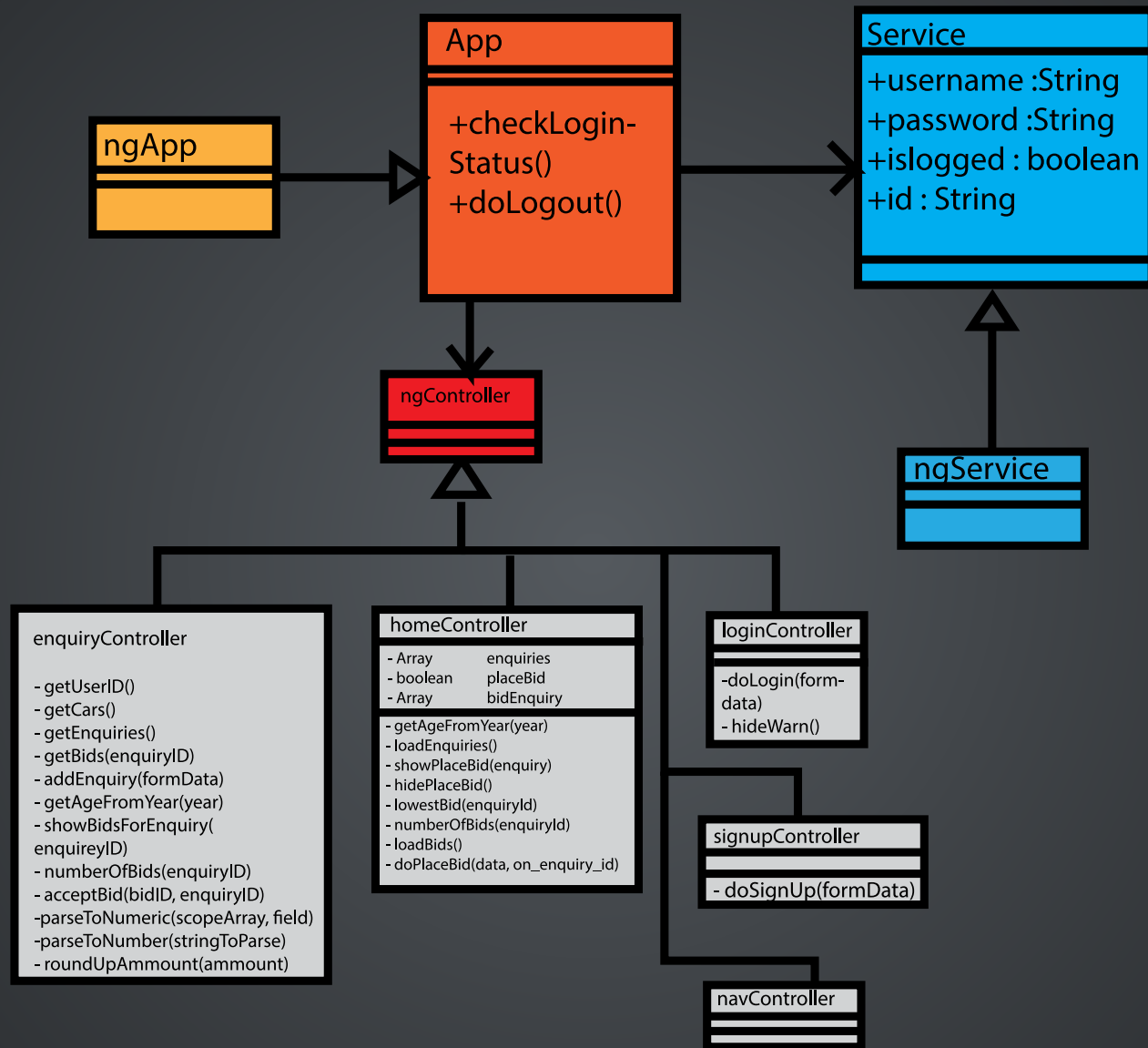




# SERVER SIDE CLASS DIAGRAM

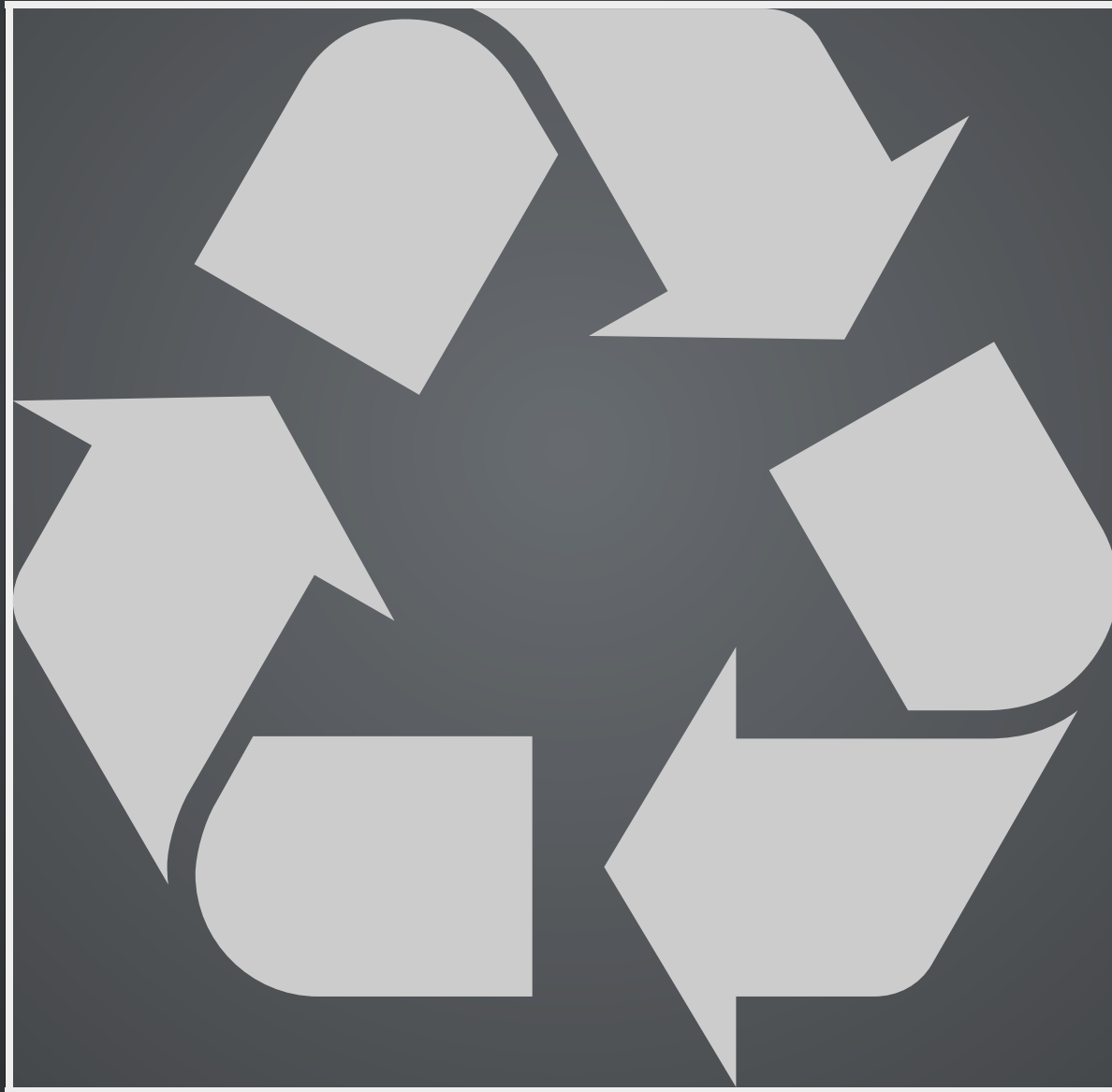


# CLIENT SIDE CLASS DIAGRAM



# IMPLEMENTATION

# IMPLEMENTATION REUSE





# PROCEDURE REUSE

COOL STUFF IN ANGULAR



# NG-REPEAT

```
<table>
  <tbody>
    <tr ng-repeat="enquiry in enquiries | filter: search">
      <td>{{enquiry.brand_name}}</td>
      <td>{{enquiry.model_name}}</td>
      <td>{{enquiry.color}}</td>
      <td>{{getAgeFromYear(enquiry.from_year)}} Years Old</td>
      <td>{{enquiry.milage}}</td>
      <td>{{enquiry.target_price}}</td>
      <td><button class="" ng-click="showPlaceBid(enquiry)">Place Bid</button></td>
    </tr>
  </tbody>
</table>
```

# NG-VIEW

```
<div ng-view=""></div>
```

# \$ROUTEPROVIDER

```
carApp.config(function($routeProvider) {
    $routeProvider
    .when('/home', {
        templateUrl: 'views/home.html',
        controller: 'HomeCtrl'
    })
    .when('/enquiry', {
        templateUrl: 'views/enquiry.html',
        controller: 'EnquiryCtrl'
    })
    .when('/login', {
        templateUrl: 'views/login.html',
        controller: 'LoginCtrl'
    })
    .when('/sign-up', {
        templateUrl: 'views/sign-up.html',
        controller: 'SignUpCtrl'
    })
    ``
});
```

# OPPORTUNITIES FOR REUSE

OUR RESTFUL API

# GET /ENQUIRIES

Returns a list of all enquiries.

# POST /ENQUIRIES

```
{  
    car_id: int (required),  
    target_price: int,  
    color: string,  
    milage: int,  
    from_year: int,  
}
```

# FURTHER DEVELOPMENT

- Location based services
- PayPal
- Connection to external databases with car information



**THANK YOU FOR YOUR ATTENTION!**  
**QUESTIONS?**