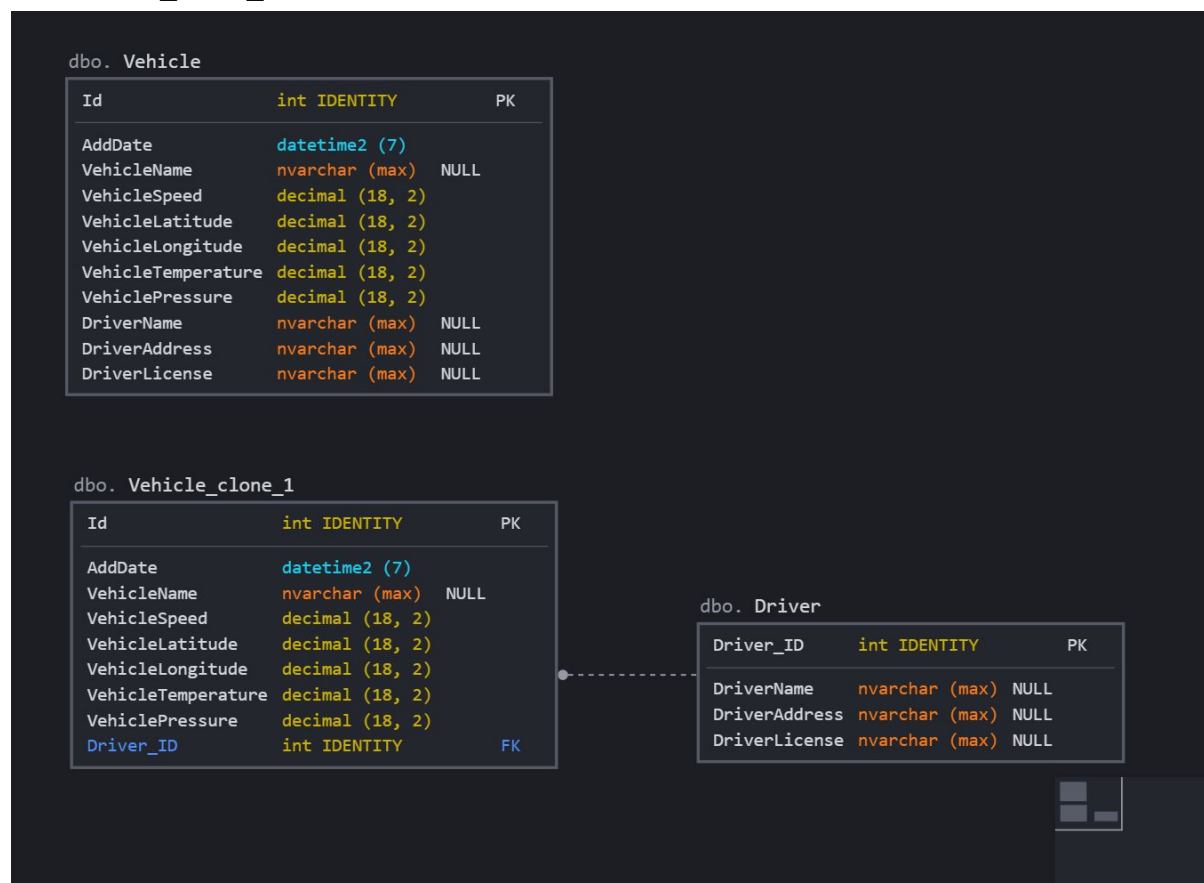


Database design is dbo.Vehicle

dbo.Vehicle\_clone\_1 is alternative if Driver can have more than 1 vehicle



- MongoDB is more fast and scalable in comparison to the SQL server.3
- MongoDB doesn't support JOIN and Global transactions but the SQL server supports it.
- MongoDB supports a big amount of data but the MS SQL server doesn't.
- MongoDB supports Agile practices but MS SQL server doesn't support it.
- MongoDB schema is dynamic but MS SQL server schema is fixed.
- Ms. SQL server provides XML support but MongoDB doesn't.

Razor will be quicker in the short term but will struggle with scale-ability

Razor renders the HTML on the server. Angular renders it on the client. For applications with a lot of dynamic stuff happening, you don't want to have to call back to the server every time you want to render some new HTML. Web Api can be used for mobile clients(its only one of the possibilities)

But by using Angular/React, you should be worried about clients:

- client must enable javascript
- client must have modern browsers
- client must have non potato hardware

What is Web API ?

Web API refers to the Application Programming Interface for any web browser or web server. In this case, the concept related to web development remains limited to the client side of any web application, including each of the used web frameworks. Because of this, web API often excludes web browser or server implementation details in the form of APIs or SAPIs until and unless it is accessible publicly via any remote type of web application.

Why Web API ?

Open Source and Low Bandwidth

A major benefit of web API is that it is an open source platform and it utilizes low bandwidth. Because of this, we not only be able to pass JSON or XML data, but also HTML contents in case of requirement.

Provides Centralized Business Logic

Web API offers centralization of the complete business logic and in turn, reduces the effort to make any task worthwhile. Because of this, you will expect to maintain the consistency of your business information.

Accessible to Varying Clients

Web Application Programming Interfaces are easily accessible to varieties of clients operating HTTP. These include Windows Phone 8, Windows 8, Windows 7, iPad, iPhone, Android and WPF Client.

Simple Creation is Possible

Web API eliminates any tedious configuration, because of which you will expect its simple and easy creation.

Web API Development Separates UI Development

Web API development separates from normal UI Development.

Allows Easy Logic Testing

With the help of Web API, you may easily test varieties of business logics with the help of various advanced tools, like fiddler or client.

Lightweight Architecture

Web API possesses a lightweight architecture and is perfect for smartphones and other devices, which possess limited bandwidth.

Functions Depend on HTTP

Functions performed by Web API depend on HTTP. Hence, it defines, occupies and exposes anything in a restful manner easily.

#### Supports MVC Features

Web API gives support to varieties of MVC features. These include action results, filters, model binders, routing, controllers, IOC containers and dependency injections, which make the interface simple and robust.

#### Gives Support to OData

In case you place any Query attribute on the respective controller method capable to return Query, clients may use the methodology available for an OData query.

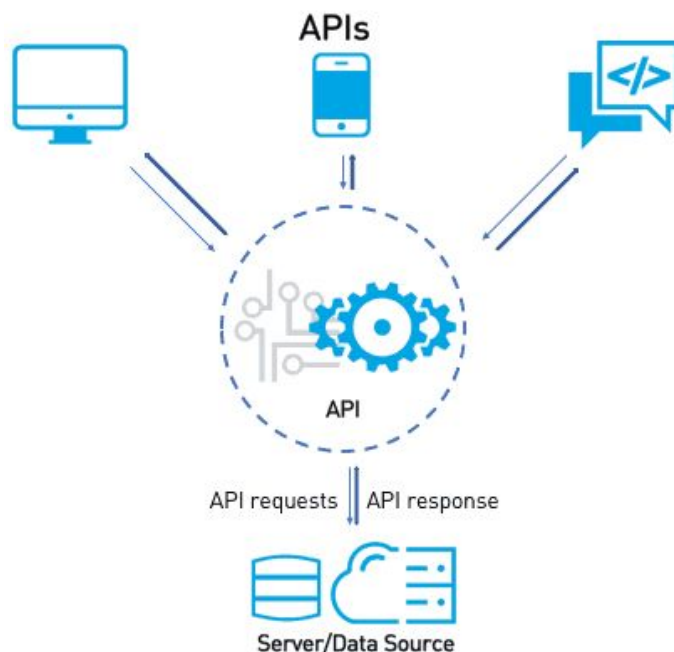
#### Identifies Resources

Web API uses URLs to identify resources and information paths.

#### Contains Body to Use for Every type of Data

Web Application Programming Interface incorporates a body to use for almost every type of data. Accordingly, HTTP messages body may be anything depending on the key requirement of a user. These include plain XML, HTML, JSON, binary files, along with images, videos and documents of different forms.

#### Descriptive and Meaningful Message Headers



## Index

[Create New](#)

Add Date	Vehicle Name	Vehicle Speed	Vehicle Latitude	Vehicle Longitude	Vehicle Temperature	Vehicle Pressure	Driver Name	Driver Address	Driver License	
10/09/2020	Default Vehicle	0.00	1.00	2.00	20.00	100.00	Bob	Adress1	123yes	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
9/09/2020	qwe	1.00	2.00	3.00	3.00	3.00	132	123	12	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

Vehicle Management System

## Create

### Vehicle

Add Date

Vehicle Name

Vehicle Speed

Vehicle Latitude

Vehicle Longitude

Vehicle Temperature

Vehicle Pressure

Driver Name

# Edit

## Vehicle

Add Date

09/09/2020



Vehicle Name

qwe

Vehicle Speed

1.00

Vehicle Latitude

2.00

Vehicle Longitude

3.00

Vehicle Temperature

3.00

Vehicle Pressure

3.00

Driver Name

123