Creating Web Services with Go

GETTING STARTED

Overview
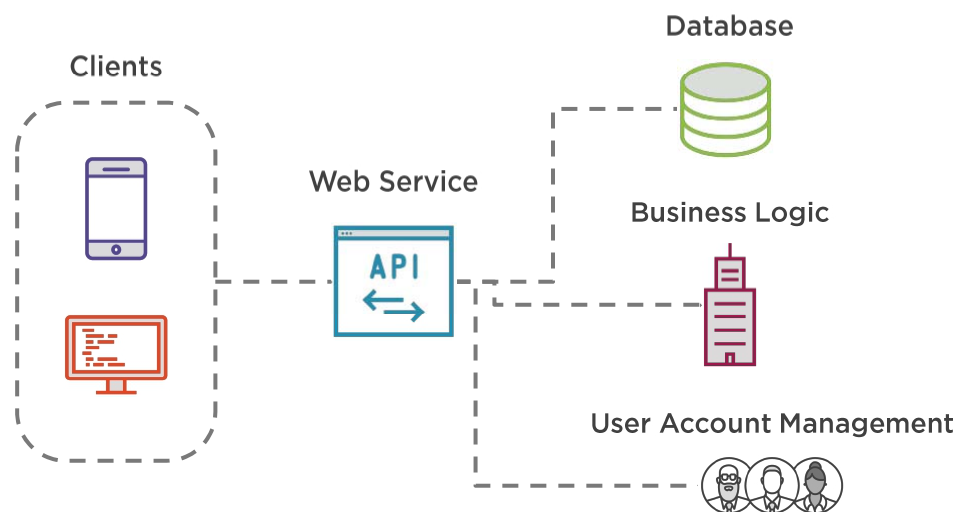
Web Services Overview

Web Services Overview
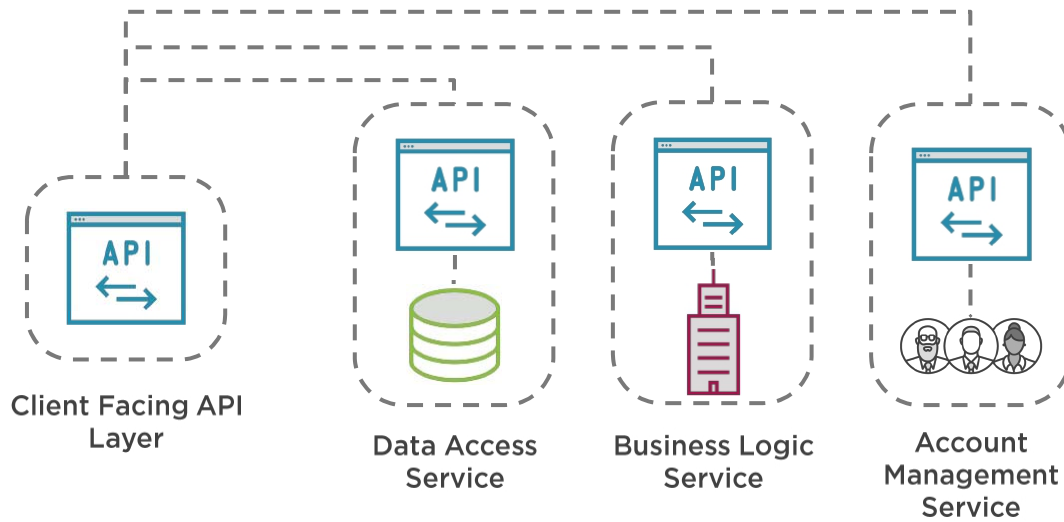 - REST (Representation State Transfer)

Handling HTTP Requests
  - GET, PUT, POST, DELETE

Web Services

Clients

Web Service

Database

Business Logic

API

User Account Management

Web Services

Client Facing API Layer

Data Access Service

Business Logic Service

Account Management Service

REST
Representational State Transfer

URI Patterns

Endpoint	Resource
http://globomantics.com/api/products	All product resources
http:// glob....cs.com/api/products/123	Single product with ID "123"

Request Methods

HEAD	GET	CONNECT
PUT	TRACE	POST
OPTIONS	DELETE	PATCH

```
[

  {

    "productId": 4568,

    "manufacturer": "Big Box Mfg",

    "sku": "x78426lq1",

    "upc": "93986215015",

    "pricePerUnit": "$57.90",

    "productName": "Robot Controller"

  }

]
```

◄ Square brackets are used to enclose arrays

◄ Curly Braces are used to enclose objects
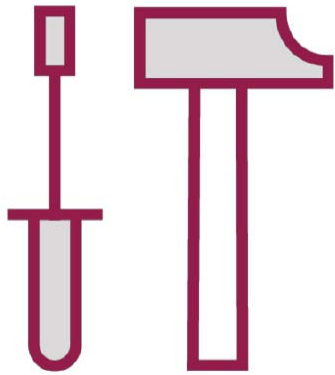
◄ Allowed data types include:

string

number

boolean

null / empty

Status Codes

Code	Description
200: Success	Request was received and successfully processed
300: Redirection	Used to redirect the user agent in order to fulfill the request
400: Client Error	Something was wrong with the request sent from the client
500: Server Error	Something unexpected happened while processing the request

Go

Microsoft Visual Studio Code

Postman

MySQL

Summary

Overview of Web Services
- REST
- Request / Response
- Stateless