Creating Web Applications with Go

INTRODUCTION

Overview

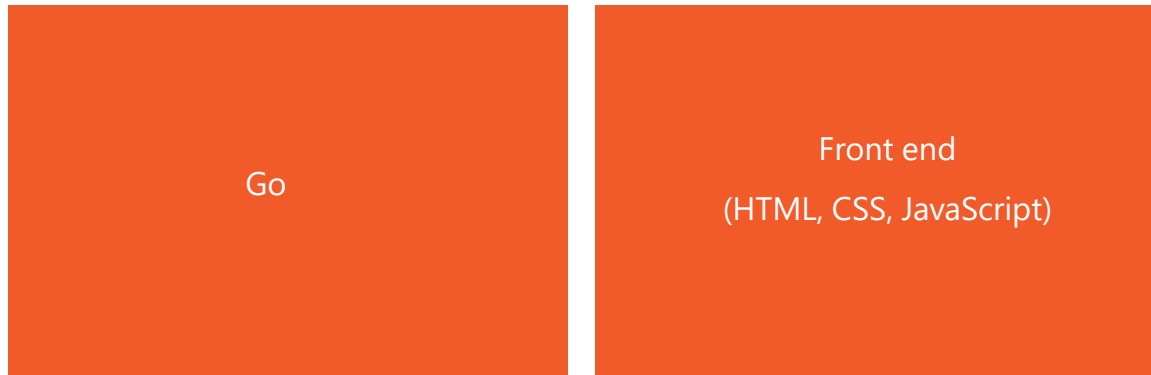Prerequisite

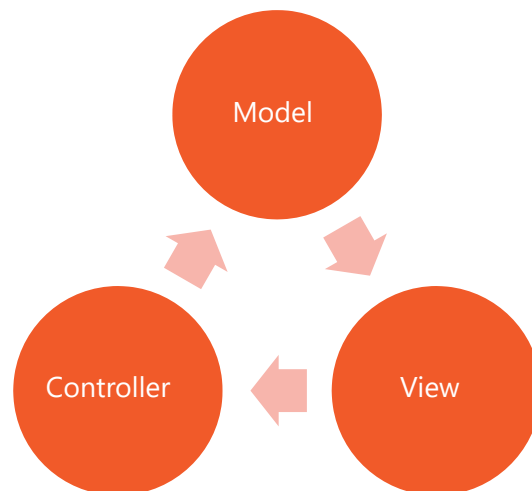Model View Controller

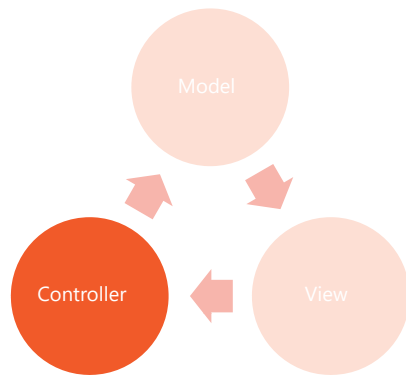Templates

Prerequisites

Go

Front end
(HTML, CSS, JavaScript)

Model-View-Controller

Model

Controller
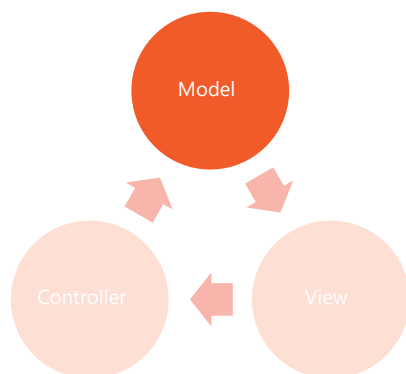
View

Controller

Receives HTTP requests

Delegates to model for logic

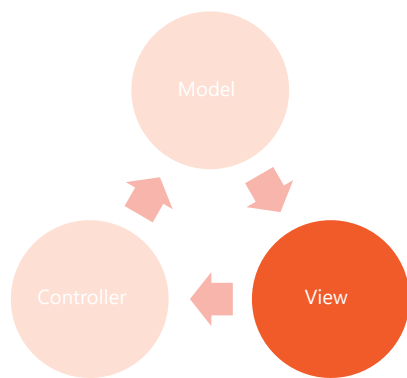Prepares response data for view

Handles routing

Integration point for middleware

Model

Contains business logic and data

Interacts with backend services
- Databases
- Web services

Initiates requests to controller layer

Uses controller reponse to update visuals

Basic Request Handlers

http.Handle	http.HandleFunc

Data Driven Templates

Template

Data

Document

Purpose of Templates

Dear {{.FirstName}},

We would like to personally invite you to {{.Event}}!

Sincerely,

{{.AuthorName}}

```
type Data struct {
    FirstName    string
    Event        string
    AuthorName   string
}
```

Purpose of Templates

Dear Amanda,

We would like to personally invite you to a party!

Sincerely,

Franklin

```
type Data struct {
    FirstName    string
    Event        string
    AuthorName   string
}
```

Summary

Identify the major components of Database

Retrieve data with the SELECT statement

Run DML statements