

Go Workshop

Rumen Mitov

February 11, 2025

Outline

Go: A Quick Introduction

- ▶ Systems programming language
- ▶ Garbage-collected
- ▶ Large standard library
- ▶ Great developer tooling

Installation

Golang Installation

Tour of Go

Start the tour!

Workshop: Simple Go Endpoint

Further Web Examples

Go web examples

Organization of our Repo

Directory Structure

- ▶ **src** - for main endpoint handling / routing
- ▶ **sql** - sql scripts to initiate database tables / populate database with dummy data
- ▶ **utils** - common utility functions
- ▶ **assets** - media (videos, images, etc.)
- ▶ **docs** - documentation

Branch Policy

- ▶ each new feature / fix is its own branch
- ▶ commit freely to that branch
- ▶ feature must work in order to be merged with the dev branch
- ▶ developers submit pull requests to dev branch (meaningful commit message)
- ▶ backend lead is responsible for making sure dev works before merging with master
- ▶ **NOTE:** Only dev merges with master

Commit Message Prefix

This applies to final commits (i.e. commits when merging):

- ▶ `feat(<feature>):` description
- ▶ `refactor(<feature>):` description
- ▶ `fix(<feature>):` description
- ▶ `hotfix(<bug>):` description
- ▶ `bug(<bug>):` description
- ▶ `tests(<feature>):` description

`feat(login):` created login endpoint

Merging

- ▶ **Squash merge** if your feature is ready to be merged upstream!
- ▶ **Rebase** if you are still working on your code, but you need to pull the latest changes!