

# **Go In Action II**

## **Assignment**

**Due Date: 19<sup>th</sup> May 2022 @2359**

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## 1. Objective

This assignment is to test your understanding and ability to apply the key concepts learnt in Go in Action II course, namely Go Software Security, Go Documentation, Idiomatic Go.

## 2. Introduction

You are required to make improvements based on the concepts learnt in Go in Action II, to your web application produced for Go in Action I assignment.

## 3. Basic Requirements

Your application must:

- Apply secure software development techniques (supported with writeup to discuss and demonstrate appreciation of software security considerations)
- Incorporate proper documentation for the application.
- Apply Idiomatic Go approaches.

## 4. Additional Features (bonus)

In addition to the basic requirements, outlined, the complexity, comprehensiveness and user friendliness of the application will determine how well you score in this section.

Examples of issues to consider:

- User-friendliness, ease of use of Interface
- How comprehensive is your program's coverage on the various secure software techniques.
- Comprehensiveness and completeness of documentation.
- Good programming style (looking at areas such as modularity, efficiency, maintainability, reusability, application of appropriate design patterns)
- Additional features such as setting up, design and creating of database to support the application
- Scope and complexity of features implemented in your web application.

## 5. Deliverables

### Assignment Submission

By Sunday 19<sup>th</sup> May 2022 (Thurs), 2359 you are required to upload file called **FullName\_GoInActionIISubmission.zip** through the [Assignment Submission](#) link in GoSchool. The zip file should contain

- A **short write-up** in Microsoft word document format that clearly indicates info on:
  - Description and discussion of various secure software development techniques applied in the application.
  - Description and discussion of Idiomatic Go techniques applied in the development of the application.
  - Documentation of the application as appendix
- All the necessary **source code and files needed to run your application.**