

Task2

Your task is to create a REST JSON api that will cover typical operations. Object – ToDo task.

Minimal ToDo structure:

- Date and time of expiry
- Title
- Description
- % Complete

Required Operations:

- Get All Todo's
- Get Specific Todo
- Get Incoming ToDo (for today/next day/current week)
- Create Todo
- Update Todo
- Set Todo percent complete
- Delete Todo
- Mark Todo as Done

Requirements:

- go >= 1.18.2
- data persisted in db using GORM (db of choice: postgresql/mysql/mariadb)
- unit and integration tests
- commented code
- code must be ready to build and run
- solution shouldn't require running any external scripts
- data should be properly validated

Nice to have:

- Code running in docker (if so include docker-compose file)
- performance tests

During the code review we will focus on:

- completeness of the implementation
- architecture, techniques and patterns used
- quality of code
- test coverage and quality

Formal requirements:

1. Solution should be delivered as Visual Studio 2019/2022 project
2. All source code must build without errors
3. Time for Task2 – 3-5h
4. Code should be placed on public git repository (one of: github, bitbucket, gitlab)