Zopsmart Campus Hiring Drive 2023-2024

We are looking for Go getters (pun intended) who're ready to go the extra mile. Submissions are invited from students for mini-projects built using GoFr, which would be considered as the first round of the hiring process.

Candidates are required to demonstrate their ability to learn GoLang and build a simple HTTP API using the GoFr framework.

Task

Build a simple HTTP (REST) API using GoFr, meeting the below requirements:

- CRUD Operations: Build APIs for create, read, update and delete operations for all entities
- DB Integration: The API should have integration with database for persistence of data. Any SQL or NoSQL DB, which has a freely available docker image, may be used
- Unit Tests: A minimum of 60% unit test coverage is desired

Try to incorporate a real-world scenario while implementing the project.

Example: Car Garage Management service with the following functionalities:

- Add entry to DB when car enters the Garage
- See the list of cars currently in Garage
- Update the entry in DB when car repair is being done, completed, etc
- Delete the entry from DB when the car leaves the Garage

BONUS:
Following items (non-exhaustive) may be included in the project/repository to earn bonus points:

- Unit Test Coverage > 90%
- Postman collection for trying out the APIs
- Sequence diagrams, UML diagrams

Getting Started

- Refer to the official documentation for Go and GoFr to ensure best practices and recommended conventions are followed.
- Explore the GoFr GitHub repository for examples, documentation, and community support.
- Utilise online resources, tutorials, and examples to enhance understanding of Go, as well as unit testing using Go.

Submission Guidelines

- Create a new private Git repo (preferably on Github.com)
- Keep committing and pushing the code to the repo as you work (Yes, we'd like to see the commits!)
- Make the repo public and send the repo link in the submission form (would be shared later).
- Include a `README.md` file describing the project functionalities. Also, do provide clear instructions on running the project and testing the API.
- Ensure the repository is well-organized and contains the necessary documentation.

Evaluation Criteria

Submissions shall be evaluated based on end to end functionality, code quality and documentation.
We look forward to reviewing your innovative projects showcasing your skills in Go and GoFr.

Best of luck!