

# golang

day #3 assignment

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## Assignment #1

### CLI based CRUD application

Create a struct called **Customer** with the following fields:

```
Id      int
Name    string
City    string
Email   string
Phone   string
```

Create another struct called **CustomerDAO** with a single field of slice of **Customer**. Provide the following methods for **CustomerDao**:

```
func (dao *CustomerDAO) Add(cust Customer) {}
func (dao CustomerDAO) Get(id int) Customer {} // returns the Customer based on
func (dao *CustomerDAO) Update(cust Customer) {}
func (dao *CustomerDAO) Delete(id int) Customer {} // returns the deleted Customer
func (dao CustomerDAO) GetAll(id int) []Customer {} // returns all Customer records
func (dao CustomerDAO) GetByCity(city string) []Customer {} // returns all Customers
func (dao CustomerDAO) SaveAsXML() {} // saves all customer records into a file
func (dao CustomerDAO) SaveAsJSON() {} // saves all customer records into a file
func (dao CustomerDAO) LoadFromFile(filename, filetype string) {} // loads data
```

Using this, create a CLI based menu-driven Go application that provides the following menu option:

1. Load data from JSON/XML file
2. Add new customer
3. View all customers
4. Search customers by city
5. Delete a customer (by id)
6. Search customer by id and edit/update details
7. Exit