Assignment 4
Swift of the Server

In this part of the assignment, you will create a backend for an address book application using Swift. You can choose from any popular Swift server framework for this project. I would recommend looking at either Perfect, Vapor, or Kitura as discussed in class.

Overall Application Behavior

The backend application should be able to create, updated, retrieve and delete records representing contacts in an address book.

Data Model

The data model should, at minimum, contain the following fields:
- First name
- Last name
- Email address
- Phone number

You may add more fields if you would like to expand the model.

Data Persistance

The data should be persisted to a database. You can select from one of the many options (eg. Postgresql, mysql, mongoDb, etc.) that work with the framework you select.

Deployment

Your application should work when locally hosted and also be deployed to a publicly accessible server. Please consider using Heroku, AWS or IBM's BlueMix for no-cost options. Google App Engine requires an account with billing enable for Flexible environment. You application should not exhaust the free quota.

Provide the URL for your deployed application in a README.md file in your project.

Interacting with Backend

There is are no specific requirements for interacting with the backend. You may build a simple iOS, web, or command line application to be able to create, retrieve, modify or delete records. You may also simply specify the correct `curl` commands to interact with backend. The exact design of the API is up to your discretion.

Which ever interaction you choose, please provide adequate documentation to be able to successfully test your project.

Requirements

The focus of this assignment is the backend design and development. You may consider this document to be guidelines to follow and may choose an alternate strategy for any part as of the assignment as long as your application performs the required functionality.

There are no specific requirements for the user interface and design of the iOS application. You can design it such that it performs all the required tasks.

The assignment is Due May 17rd at 5:29 PM.