Cloud Development and Deployment Project

(20 points) Extend the project done as homework #4 in any way of your choice. Here are some of the possible options:

* add interesting or useful features to the application, e.g. add user account and/or log-in, add dates, implement reminders
  + extend the API
  + use front-end framework, e.g. react.js, vue.js, angular2, etc
* add new features making of other public web APIs, e.g.
  + facebook API, <https://developers.facebook.com/tools>
  + twitter API
  + google translate API, <https://cloud.google.com/translate/docs/quickstart>
* use kubernetes deployment file and docker compose to specify the app and the web service
* data persistence
  + implement efficient and scalable persistence
  + use different database technology, e.g. using MySQL server
  + use docker volume
* more robust script for easily deployment and management
* deploy the application and service to a different cloud platform, e.g. Amazon AWS or Microsoft Azure

You need to write a report to describe what you do. The project is graded based on:

1. how much more technology experimented/explored beyond homework #4
2. how clear the report is written

**Please make sure to attach all the source files when you submit the final project.**

Class Presentation

(extra credit, not required) Give a 10~15 minute presentation in the class on May 11th talking about what you do and learn in the final project.