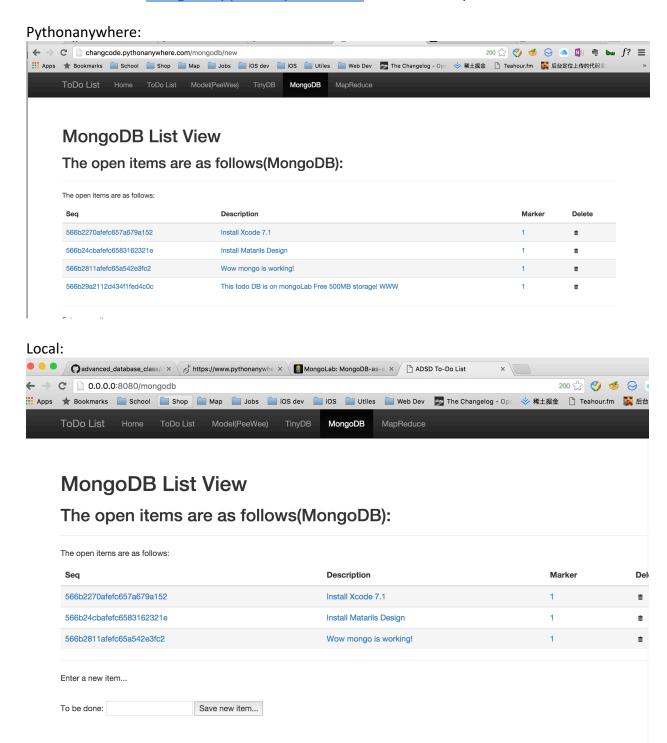
ADSD HW8 MongoDB ToDo

In this assignment I will MongoLab online mongo database as storage. It provide free 500MB space for mongo db.

You can visit from changcode.pythonanywhere.com to test CRUD operations.



Code:

```
app.py - ADSD_TODO - [~/Desktop/Course/ADSD_TODO]
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ADSD_TOD( [ADSD_TODO] ~/ Desktop/Course/ADSD_TODO/app.py
                                                                                            app ▼
  Project ▼ 🕀 🛱 🔭 🗠
                               app.py ×
                                           mongo_list.tpl × mongo_edit.tpl ×
                                                                                 mongo_items.py ×
 ADSD TODO (~/Desktop/Co
                               40
                                               Enter a new item...<pr/>
                                               <form action="/mongodb/new" method="post">
    To be done: <input name="task" type="text" />
    <input value="Save" type="submit" />
                                41
   :vscode
                                42
  static 🗀
                                43
       done.png
                                               </form>
                                44
                                45
       save.png
                                46
       ightheme.css
                                                                                                                                      47
                                       post('/mongodb/new')
       in trash.png
                                48
                                        ef mongo_post_new():
   uiews
                                49
                                           task = request.forms.get('task', '').strip()
                                50
                                           mongo_new_item(task,1)
       edit task.tpl
                                51
                                           return mongo_get_list()
       index.tpl
                                52
       make table.tpl
                                53
                                        get('/mongodb/edit/<id:re:[a-z0-9]+>')
                                        ef mongo_get_edit(id):
       make table.tpl.bak
                                54
                                55
                                           item = mongo_get_item(id)
       model list view.tpl
                                56
                                           print(item['task'])
       mongo delete.tpl
                                57
                                           return template('mongo_edit', id=id, task=item['task'], status=item['status'])
       mongo edit.tpl
                                58
       mongo list.tpl
                                59
                                       post('/mongodb/edit/<id:re:[a-z0-9]+>')
                                60
                                        ef mongo_post_edit(id):
       new.tpl
                                61
                                           task = request.forms.get('task', '').strip()
       inydb.tpl
                                           status = request.GET.get('status','').strip()
                                62
       inydb_delete_view.tpl
                               63
                                           if status == 'open':
                                64
                                              status = 1
       inydb_edit.tpl
                                65
                                           else:
    app.py
                                66
                                              status = 0
    bottle_app.py
                                67
                                           item = mongo_get_item(id)
                                           item['task'] = task
    items.py
                                68
                                           item['status'] = status
                                69
    mongo items.pv
                                70
                                           mongo_save_item(item)
    README.md
                                71
                                           return mongo_get_list()
    todo.db
                                72
    todo.db.ison
                                73
                                       get('/mongodb/delete/<id:re:[a-z0-9]+>')
                                74
                                        ef mongo_confirm_delete_item(id):
    v3.3.6.zip
                                75
                                           item = mongo_get_item(id=id)
 External Libraries
                                           return template('mongo_delete', id=id, task=item['task'], status=item['status'])
                                76
                                77
                                78
                                       post('/mongodb/delete/<id:re:[a-z0-9]+>')
                                79
                                        ef mongo_delete_item(id):
                                80
                                           mongo_discard_item(id)
                                81
                                           return mongo_get_list()
                                82
                                83
                                       tinung
```

MongoDBItems:

```
mongo_items.py - ADSD_TODO - [~/Desktop/Course/ADSD_TODO]
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.py × 📓 mongo_list.tpl × 📓 mongo_edit.tpl ×
                                                      mongo_items.py ×
 import pymongo
from pymongo import MongoClient
from bson.objectid import ObjectId
 client = MongoClient("ds027415.mongolab.com", 27415)
db = client.todoshuchang
db.authenticate("todo", "todo")
 def mongo_get_items(status = -1);
   if (status >= 0):
      items = db.items.find({'status':status})
      else:
           items = db.items.find()
       items = [ item for item in items ]
      for item in items:
           item["id"] = str(item["_id"])
           item["_id"] = None
 def mongo_new_item(task, status):
      db.items.insert({'task': task, 'status': status})
 def mongo_get_item(id):
      item = db.items.find_one({"_id":ObjectId(id)})
      if (item):
           item["id"] = str(item["_id"])
item["_id"] = None
      return item
 def mongo_save_item(item):
      id = ObjectId(item['id'])
      db.items.update_one(
           {"_id":id},
{"$set":{
                 "task":item["task"],
"status":item["status"]
           }}
 def mongo_discard_item(id):
    id = ObjectId(id)
      db.items.delete_one({"_id":id})
 # if __name__ == "__main__":
```