

Name: Loubna Dufrane
Date: 8/9/2014
Assignment: Lab2 Classes Worksheet
Class: Designing for Web Programming

Scenario : Hospital

Class: Doctor

Attributes: _name, _medical_field , _hospital_name, _amount_patients
Methods: diagnose_patient(),visit_patient(),run_analysis()

Class: Nurse

Attributes: _name, _type, _hospital_name, _hospital_floor
Methods: check_patient(), give_medication(),transfer_patient()

Class: Patient

Attributes: _name, _hospital_name, _hospital_room, _age, _medical_issue,
_hospital_entry_date, _hospital_release_date
Methods: take_medication(), sleep(),call_nurse()

Class: Visitor

Attributes: _name, _patient_visiting, _hospital_room, _date_visiting
Methods: visit_patient(),buy_flowers(),sympathise()

<!------- CODE STARTS HERE – also available on main.py----->

'''

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'''

import webapp2

```
class MainHandler(webapp2.RequestHandler):  
    def get(self):  
        self.response.write('Hello world!')
```

'''

Hospital Scenario

'''

```
class Doctor(object):  
    def __init__(self):  
        self._name = ""  
        self._medical_field = ""  
        self._hospital_name = ""  
        self._amount_patients = ""  
  
    def diagnose_patient(self):
```

```

    pass
    def visit_patient(self):
        pass
    def run_analysis(self):
        pass

class Nurse(object):
    def __init__(self):
        self._name = ""
        self._type = ""
        self._hospital_name = ""
        self._hospital_floor = ""

    def check_patient(self):
        pass
    def give_medication(self):
        pass
    def transfer_patient(self):
        pass

class Patient(object):
    def __init__(self):
        self._name = ""
        self._hospital_name = ""
        self._hospital_room = ""
        self._age = ""
        self._medical_issue = ""
        self._hospital_entry_date = ""
        self._hospital_release_date = ""

    def take_medication(self):
        pass
    def sleep(self):
        pass
    def call_nurse(self):
        pass

class Visitor(object):
    def __init__(self):
        self._name = ""
        self._patient_visiting = ""
        self._hospital_room = ""
        self._date_visiting = ""

    def visit_patient(self):
        pass
    def buy_flowers(self):
        pass
    def sympathise(self):
        pass

```

```
app = webapp2.WSGIApplication([
    ('/', MainHandler)
], debug=True)
```