

# CSC308/438: Assignment 4

October 30, 2011

## 1 Problem

Consider this model:

```
db.define_table('room',
    Field('name'),
    Field('description', 'text'),
    Field('location', 'text'),
    format='%(name)s')

db.define_table('reservation',
    Field('room', 'reference room'),
    Field('start_date', 'datetime'),
    Field('end_date', 'datetime'),
    Field('special_requirements', 'text'),
    Field('approved', 'boolean'),
    auth.signature)
```

which defines a room reservation system. Create controllers and views for this room reservation system. Required features:

- Users must be able to create rooms (2 points)
- Users must be able to reserve a room is available (2 points)

- Rooms can only be reserved for 1h starting every hour from 8am until 10pm. (2 points)
- The system must provide a way to check which rooms are available at a give. (3 points)
- The system must provide a way to check the status of a room for a certain day. (3 points)
- (extra credit) if the reservation has special requerements, the resevation is marked approved=False and needs to be set to approved (approved=True). Create an interface for administrators to search and approve the pending reservations. (3 points)