

# King Fahd University of Petroleum & Minerals

College of Computer Science and Engineering

## SWE 444 - Internet and Web Applications Development

### Homework Assignment # 3 [Due Date: January 25, 2009 before 10:00pm]

The goal of this homework is to create an ASP.net page to reserve a room. The page should display a form as shown below.

The screenshot shows a web browser window titled "Registrar Office - Windows Internet Explorer" with the URL "http://regweb.kfupm.edu.sa/room/room\_reservation\_form1.asp". The page header includes the university logo and the text "King Fahd University of Petroleum & Minerals", "Deanship of Admissions and Registration", and "Office of the University Registrar". Below the header is a link "Request for Room Reservation in term: 081". The main content is titled "REQUEST FOR ROOM RESERVATION FORM -" and includes a note: "Note: For the reservation of Class Room Auditoriums during weekends or after 5 PM during weekdays, please visit <http://www.kfupm.edu.sa/edutech/booking/>".

The form is divided into three main sections:

- Contact Information:** Includes fields for Name \* (with a dropdown menu set to "Mr"), Phone \*, and E-mail \* (with a placeholder "@kfupm.edu.sa").
- Event Information:** Includes Occasion \*, Date \* (dd-mm-yy), From: \* and To: \* (date pickers), Days: (example: smw, ut, sumtwrf etc), Start Time \*, End Time \*, Requested Room Capacity \* (with a dropdown menu), and Smart Room (No/Yes dropdown).
- Preferred Location:** Includes three rows for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> Choice, each with Building # \* and Room # \* fields.

At the bottom of the form are "Submit" and "Reset" buttons, and a note "\* required fields". A "Back to Home page" link is also present.

Also perform validation as follows:

1. All field indicated by \* should be filled
2. Email format should be checked to be proper
3. Days should be valid weekdays
4. Phone numbers should be in proper format (only four digits)
5. The Name should include only alphabetic characters
6. Building numbers should be integers and less than 60.

Some of these validations can be performed using the validation controls in ASP.net or done when the "Submit" button is clicked. If the validation is successful when the "Submit" button is clicked, display the entered information along with a confirmation message. However, if there are errors, display the errors and allow the user to fix those fields that have errors (without having to reenter other fields).

### Submission Guidelines:

Publish the page on your account; then email the link as well as the aspx file through WebCT to me.