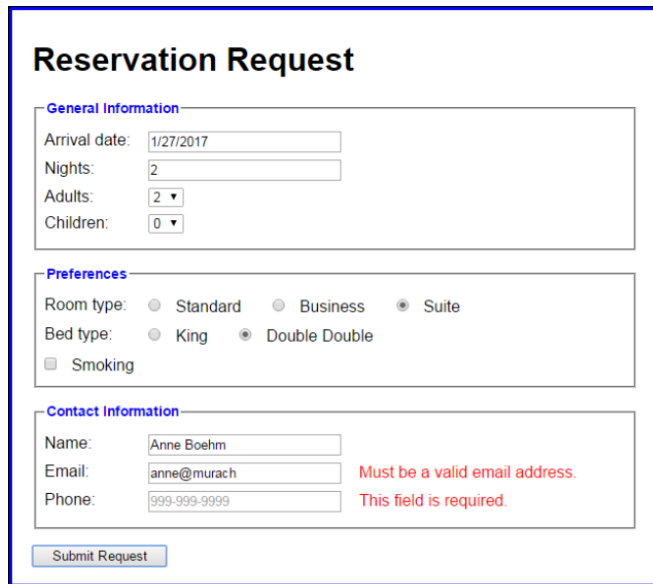

Web-Based Application Design and Development (ITIS 3135)**Form Validation Application**

The goal of this activity is to help you understand how you can use JavaScript to validate a reservation request form. **You are asked to understand this Form Validation Application and then complete a quiz.**



Reservation Request

General Information

Arrival date:

Nights:

Adults:

Children:

Preferences

Room type: ☐ Standard ☐ Business ☒ Suite

Bed type: ☐ King ☒ Double Double

☐ Smoking

Contact Information

Name:

Email: Must be a valid email address.

Phone: This field is required.

Activity steps:

1. Download the zip file called **Form_Validation_Demo.zip** and extract all the files.
2. Verify that there are no errors in any of the files.
3. Open the index.html file in browser and try to submit the form with different combination of input values to understand the functionality of the form.
4. Review the code in the reservation.js file and make sure you understand it.
5. Notice that the ready event handler contains the declaration of a variable named emailPattern that contains the regular expression for validating email addresses. Regular expression is a general concept in programming. If you are not familiar with this concept, please read zyBook Chapter 13.1 to gain a basic understanding of what the emailPattern specifies.
6. Pay attention to the following code segments:
 - a. A statement that moves the focus to the Arrival date text box.
 - b. An event handler for the submit event of the form. This event handler validates the user entries and cancels the submission of the form if any of the entries are invalid. The validation is as follows:
 - i. A value must be entered into each text box.
 - ii. The number of nights must be numeric.
 - iii. The email address must match the pattern that is provided.
 - iv. The entries are trimmed and put back into the controls regardless of whether the entries are valid or not.