
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. The solution is given to you for demonstrating form validation. **Based on this Form validation application demonstration you will be completing 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.

Part 0: Download files

1. Download the zip file called **Form_Validation_Demo.zip** and extract all the files.
2. Verify there are no errors in all 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. In the JavaScript file, notice that the ready event handler contains the declaration for a variable named emailPattern that contains the pattern that will be used to validate the email address.
6. There is JS code for the following thing:
 - a. To 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 cancel 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 must be trimmed and put into the controls regardless of whether the entries are valid.