Data Files needed for this Case Problem: cg\_register\_txt.html, cg\_validate\_txt.css, 3 CSS files, 1 JavaScript file, 4 PNG files, 1 TXT file

ACGIP Conference Professor Darshan Banerjee is the project coordinator for the annual conference of the Association of Computer Graphics and Image Processing (ACGIP), which takes place this year in Sante Fe, New Mexico. Darshan has asked you to work on the conference’s website, starting with the registration form for conference attendees. The initial form will collect contact information for people attending the conference. Figure 7–65 shows a preview of the form you will create for Darshan.

Graphical user interface

Description automatically generated

Professor Banjerjee has already written the HTML code for the page and the styles for the form elements. He wants you to write the HTML code for the web form and the CSS validation styles. Complete the following:

1

Using your editor, open the cg\_register\_txt.html and cg\_validate\_txt.css files from the html07 ► case1 folder. Enter your name and the date in the comment section of each file, and save them as cg\_register.html and cg\_validate.css respectively.

2

Return to the cg\_register.html file in your editor. Add a link to the cg\_forms.css and cg\_validate.css style sheet files to the document head.

3

Add a script element to the document head that loads the cg\_script.js file.

4

Scroll down to the section element and insert a web form element that employs the action at http://www.example.com/cg/register via the post method.

5

Add the labels, input controls, and textarea boxes shown in Figure 7–65 and described in Figure 7–66. Place the input boxes directly after the labels and associate each label with its form control. You do not need to enclose these elements within div elements. Note that the address field should be entered within a textarea box.

6

Create a data list named titleList containing the suggestions: Mr., Mrs., Ms., Prof., Dr., Assist. Prof., and Assoc. Prof. Apply the titleList data list to the titleBox control.

Table

Description automatically generated

7 Apply the regular expression pattern ^\d{10}$|^(\d3\s\*)?\d{3}[\s-]?\d{4}$ to the phoneNumber field. Apply the regular expression pattern ^acgip\-\d{6}$ to the acgipID field. (Note: You can copy the regular expression code for the phoneNumber field from the cg\_regex.txt file.)

8

Add the Registration Category label associated with the regList control. Add a selection list with the ID regList that stores values in the registerType field. Populate the selection list with the option text: “ACGIP Member ($695)”, “Non-Member ($795)”, “Student ($310)”, “Poster ($95)”, and “Guest ($35)”. Make the corresponding option values equal to “member”, “nonmember”, “student”, “poster”, and “guest”.

9

Within the form, add a paragraph containing a submit button with the text continue.

10

Save your changes to the file and return to the cg\_validate.css file in your editor to create styles for validating data entry.

11

Within the Validation Styles section, add the following style rules:

Display all input, select, and textarea elements that have the focus with a background color of rgb(245, 245, 140).

When the fnBox, lnBox, mailBox, phoneBox, and idBox controls have the focus and are valid, change the background color to rgb(220, 255, 220) and display the cg\_valid.png image with no tiling in the right side of the background contained within the box.

When the fnBox, lnBox, mailBox, phoneBox, and idBox controls have the focus and are not valid, change the background color to rgb(255, 232, 232) and display the image cg\_invalid.png with no tiling in the right side of the background contained within the box.

12

Save your changes to the style sheet and then open cg\_register.html in your browser. Verify that the content and layout of the form resemble that shown in Figure 7–65. Verify that you must enter all required field values in the proper format for the form to be submitted successfully. Confirm that the browser performs inline validation on the firstName, lastName, address, email, phoneNumber, and acgipID fields.