Computer Programming

C Programming Assignment #2, 2007

Brief:

You are to write a CGI program in Perl which enables the a website to accept booking input data from a client, verify that the data meets certain criteria and then displays output based on the input. It is also envisaged that the booking data will be saved to file.

Summary:

The website will contain a common input form where the visitor can specify how many visitors are:

1. Adult
2. Children
3. OAP
4. Disabled (assuming wheelchair access required)
5. The contact name of the organiser
6. The contact details of the organiser

When the user clicks the submit button the CGI program checks that

1. A minimum number of persons will attend
2. A maximum number of visitors is not exceeded
3. That the group total can be broken into suitable tour group sizes
4. That the booking is between 7 days and 2 months in the future
5. Calculates and displays the total fee that is payable
6. Generates a random booking number
7. Prepares an email to send to the organiser

Faults will be flagged; but if the organiser is happy with the display they can confirm acceptance and the CGI program will save the details to a file; it is also envisaged that the email that would normally go to the organiser would be sent to you so that you can confirm the functioning of the system.

Presentation:

Marks are awarded for attractive presentation both of the screen output and the source code. Code indentation is *vital*.

Submission Mechanism:

By paper via the submission box in Room 15, and by e-mail (**details to be announced**). Don't forget the 'My Own Work' form as a cover page. Ensure you have at least:

- Cover sheet ('My Own Work')
- Flow chart (Read the programming website for information).
- Source code (The perl program, printed)
- Sample data used (A copy of the sample email)
- Other screen capture(s) as required

Any other relevant supporting materials

Due Date:

20070510, 15:15, Thursday
(subject to on-line Calendar changes)

NOTE: A common HTML input form will be provided