

IS448 Programming Exam Question

INSTRUCTIONS

This part of the test is **open book**.

Allowed reference material are

1. textbook,
2. course slides on Blackboard,
3. class notes student made when listening to lecture,
4. notes made by student when preparing for exam,
5. professor's *userpages* website with example programs,
6. student-written lab programs,
7. lab solutions provided by professor on Blackboard,
8. student-written Homework programs,
9. student-written programs for project

Not allowed reference material are

1. Any website other than the ones listed above are not allowed as reference material.
2. Searching on the Internet for answers (e.g., Google searches).
3. Also not allowed is the W3Schools website.

QUESTION

You are writing a program that allows users to sign up for magazines that they would like to receive.

The HTML form is in **order.html**. This form submits the data to a new PHP program **order.php** that you need to write. The file **order.php** will perform some checks on the incoming data and output a confirmation message or an error message page to the user, and write the user's order to file.

Here is what you need to do:

1. Download the zip file question.zip that contains **order.html**, **form_proc.css**. The HTML page **order.html** has the form which customers fill to submit their order. The CSS file is already linked in the HTML file. You need to link the CSS file in the PHP program that you write.
2. In the HTML file (5 points)
 - a. You need to give values to the *name*, *action* and *method* attributes of the *form* tag
 - b. You need to give values to the *name* attribute for all other form fields.
 - c. Values are already given for the different options in the select box and the radio button. You don't need to change these values.

Your HTML page will look like this initially:

Magazines order form

Customer name:

Customer phone:

Customer address:

Magazines ordering:

Delivery schedule requested: ☐ Sunday ☐ Weekly

3. Write your PHP program ***order.php*** to do the following:

First, perform the following checks on the user provided data (**Hint:** You will need to use if-else statements and preg_match in some cases to perform these checks. Your code to perform this check should be in the PHP.):

- a. Check to make sure that the user has selected something for 'Magazines ordering' and for the 'Delivery schedule requested' form fields. Empty values are not allowed for these fields. If either of these fields is empty, display a page to the user with the error message "Must select a magazine name and a schedule" and a link to go back to **order.html**. A page like the one shown below should be displayed. (5 points)

Must select a magazine name and a schedule

[Go back and re-enter info](#)

- b. Check to make sure that address entered by the user is of the form: *one or more numbers followed by one space character, followed by one or more letters or spaces*. Therefore, an address like '1000' or 'Hilltop' is not allowed, but an address like '1000 Hilltop Circle' or '1000 Hilltop' is allowed. If this check is not passed, display a page with the error message that the "Re-enter address. Numbers followed by one space followed by letters and spaces." and include a link to go back to **order.html**. Display a page line the one shown below (5 points)

Re-enter address. Number followed by one space followed by letters and spaces.
[Go back and re-enter info](#)

c. If the above checks pass, then display a thank you for your information message to the user.
(3 points)

Thanks for your order Sreedevi. We will process it soon!

4. Finally, write the users order to a text file **orders.txt**. Separate one user's order from the next user's order with a line with just asterisks in it. "*****". The file's content should look like this:
(7 points)

```
sreedevi,1231231234,1000 hilltop circle,time,weekly
*****
john,1235551234,1234 Hilltop Road,national,sunday
*****
henry,55543213334,10 Downing Street,forbes,weekly
*****
```

What to submit

- Make a zip file that contains your HTML, PHP, CSS and orders.txt files. Upload your zip file in the Exam 1 Programming link on Blackboard.
- Make a unique name folder (*dateofbirth-monthofbirth-UMBCuserID-exam1*) and move your exam HTML, PHP, CSS files into that folder. Submit a link to the main HTML file on your swe (GL) exam1 folder.
- Make sure there is a blank index.html file in your *exam1* folder on GL and *is448* folder on GL.