

Part I:

In this assignment you will follow the MVC design pattern to create a web site with multiple web pages for a pizza delivery company. Refer to the example of BookAppMVC.

The user will complete the order form by filling out the control instances on the Order form, and Checkout form. When the user finalizes the Checkout form, the order will be recorded, and the user will receive a confirmation message.

1. Create a new Web site named pizza.
2. Add a home HTML page to the website, and designate it as the start page. Name the page index.html. The home page introduces and describes your pizza delivery company. Use a color scheme of your choice for the Main page. The home page has two links: the first one links to Order Pizza (Controller), and the other links to Processing Order (Controller)
3. Create a folder named **order_pizza**, and then add the Order Pizza Controller (index.php) to it.
4. The Order Pizza Controller has three actions: Order, Calculate, and Finalize.

Size of pizza	Dropdown list
Kind of pizza	list box
Extra Cheese	Check box
Quantity	Textbox
Calculate	Button
Cost of Selected pizza	label

5. Create an Order View. The form should have at least the following fields:
6. To order a pizza, the user selects the size from the drop-down list and the type from the list box, check or uncheck Extra Cheese box, enters a quantity in the text book. If the user clicks on the Calculate button, the cost of the selected pizza will be displayed in an output area on the same page.
7. Validate inputs to make sure that all of the input values are valid. Display an error message to the right of the corresponding control if the input is not valid.
8. Write the code to calculate the cost of a pizza based on the following prices. In addition, extra cheese costs \$2.00 per pizza no matter the size.

	Pepperoni	Vegetarian	Combo
Small	8.99	9.99	10.99
Medium	9.99	10.99	11.99
Large	10.99	11.99	12.99

PART II:

9. Create the Checkout View that should have appropriate controls to accept those input values.
10. All input should be validated when the user clicks the Finalize button. If an input field is not valid,

First Name	Textbox
Last Name	Textbox
Delivery Address	Textbox
Telephone Number	Textbox
Sales Type: Cash Credit	RadioButtons
Credit Card Type: AX V	RadioButtons
Credit Card Number:	Textbox
Credit Card Expiration Date:	2 drop down lists (month, year)
Sales Amount:	Label

an appropriate error message should be displayed.

11. Validate that the first and last name fields are between 1 and 20, and 1 and 25 characters in length respectively.
12. Sales can be either Cash or Credit. Write the code to make the Credit Card Type group box visible only if the sales type is Credit.
13. If the sales type is credit, the credit card must be validated. The AX card type has the format XXXX-XXXXXX-XXXXX. The V card type has the format XXXX-XXXX-XXXX-XXXX. Use the value of the radio buttons to determine the card type. Validate the card number using Regular Expression
14. If the sales type is credit, use the two drop down lists (month and year) to get the Expiration Date from the user. And displays the date in a label.
15. Validate the telephone number using Regular Expression.
16. The user can click the Finalize button to finalize the order. The order will be assigned an Order number. The order number is generated using a random number. And the order will be saved to the database.

Part-III

1. Create a folder named **process_order**, and add another index.php for Process Order Controller to it.
2. The Process Controller has two actions: listOrder and sendMessage.
3. Create a listView that displays a list of orders. And the store operator can select the order and then send e-mail to the customer to confirm that the order is processed.

Note:

- DO NOT use JavaScript for this assignment.
- DO NOT use HTML5 tags for data validation.
- All the data validations, calculations, and other logic are performed by the PHP server scripts.
- All the data should be stored in MySQL database. You should have at least 2 tables: Customer and Order.