

Question

Enhance the signup application by adding the following features:

1. Store the customer information to the MySQL database. You will need to write a script called **customerdb.sql** to create a new database and a customer table.
2. Create a PHP file called **db_connect.php** to create a PDO connection object to the MySQL database.
3. Enhance the signup.php by adding PHP code to the value attribute of the input element so the inputs can be retained in case the signup.php needs to be reloaded again.

Example,

```
<input type="text" name="present_value"
      value="<?php if (!empty($present_value)) {echo $present_value;} ?>"/>
```

4. Complete the **addcustomer.php** by adding the followings:
 - Add the data validation code to validate email address, password (6 characters at least), full name (required), zip code (5 digit number) and valid US phone number.
 - Use `filter_input()` function to filter invalid inputs.

Example,

```
<?php
// Get the book info
$publisher_id = filter_input(INPUT_POST, 'publisher_id', FILTER_VALIDATE_INT);
$isbn = filter_input(INPUT_POST, 'isbn');
$title = filter_input(INPUT_POST, 'book_title');
$price = filter_input(INPUT_POST, 'book_price', FILTER_VALIDATE_FLOAT);

// Validate inputs
if ($publisher_id == null || $publisher_id == false ||
    $isbn == null || $title == null || $price == null || $price == false) {
    $error_msg = 'Invalid input data';
    include(' addbook_form.php');
    exit(1);
}
```

- Add the code to insert the new customer information to the database.