

PHP Assignment: Contact Management TerminalBased App

You will create a PHP script for a Contact Management Terminal-Based App. This app will allow users to:

1. Add new contacts with details like name, email, and phone number.
2. View a list of all added contacts.
3. Exit the program

Requirements

Define the Following Functions

1. addContact(array &contacts, string name, string email, string phone):

void

Adds a new contact to the \$contacts array.

Use pass-by-reference (&) for the \$contacts array to ensure the main array is updated.

2. displayContacts(array contacts): void

Displays all the contacts in a user-friendly format.

If no contacts exist, display the message: "No contacts available."

Create a Terminal-Based Menu

1. Use a while loop to repeatedly display the menu options:

Add Contact

View Contacts

Exit

2. Use conditionals (if-else or switch) to handle the user's choice:

For invalid input, display the message: "Invalid choice. Please try again."

Handle User Input

1. Use readline() to take inputs from the user for:

Menu selection

Contact details (name, email, phone)

2. Ensure the inputs for name, email, and phone are passed to the addContact function.

Exit the App Gracefully

1. When the user chooses the "Exit" option:

Display a goodbye message: "Exiting..."

Terminate the script.

Example Output

Contact Management Menu:

Add Contact

View Contacts

Exit Choose an option: 1 Enter name: John Doe Enter email: john@example.com Enter
phone number: 1234567890 John Doe added to contacts.

Contact Management Menu:

Add Contact

View Contacts

Exit Choose an option: 2 Name: John Doe, Email: john@example.com, Phone: 1234567890

Contact Management Menu:

Add Contact

View Contacts

Exit Choose an option: 3 Exiting...

<?php

// Contact Management Terminal-Based App

\$contacts = [];

// Function to add a contact

```

function addContact(array &$contacts, string $name, string $email, string
$phone): void {

$contacts[] = ['name' => $name, 'email' => $email, 'phone' => $phone];

}

// Function to display all contacts

function displayContacts(array $contacts): void {

if (empty($contacts)) {

echo "No contacts available.\n";

} else {

foreach ($contacts as $contact) {

echo "Name: {$contact['name']}, Email: {$contact['email']},

Phone: {$contact['phone']}\n";

}

}

}

// Terminal-based interface

while (true) {

echo "\nContact Management Menu:\n";

echo "1. Add Contact\n2. View Contacts\n3. Exit\n";

$choice = (int)readline("Choose an option: ");

if ($choice === 1) {

$name = readline("Enter name: ");

$email = readline("Enter email: ");

$phone = readline("Enter phone number: ");

```

```
addContact($contacts, $name, $email, $phone);
```

```
echo "$name added to contacts.\n";
```

```
} elseif ($choice === 2) {
```

```
displayContacts($contacts);
```

```
} elseif ($choice === 3) {
```

```
echo "Exiting...\n";
```

```
break;
```

```
} else {
```

```
echo "Invalid choice. Please try again.\n";
```

```
}
```

```
}
```