Copilot

To restrict access to your Quiz App in PHP so that only logged-in users can access it, you can follow these steps:

1. Set Up User Authentication

First, ensure you have a login system in place. If you don't already have one, you can follow a tutorial like <u>this one</u>.

2. Start a Session

At the beginning of each PHP file that requires user authentication, start a session.

```
session_start();
```

3. Check User Authentication

Create a function to check if the user is logged in. This function will verify if the session variable for the user is set.

```
function check_login() {
    if (!isset($_SESSION['user_id'])) {
        header("Location: login.php");
        exit();
    }
}
```

4. Restrict Access to Pages

Call the check_login() function at the top of any page you want to restrict access to.

5. Login Script

Ensure your login script sets the session variables correctly upon successful login.

```
$stmt->bind_param("s", $username);
$stmt->execute();
$stmt->store_result();
$stmt->bind_result($id, $hashed_password);
$stmt->fetch();

if ($stmt->num_rows > 0 && password_verify($password, $hashed_password)) {
    $_SESSION['user_id'] = $id;
    header("Location: index.php");
} else {
    echo "Invalid username or password.";
}
$stmt->close();
}
```

6. Logout Script

Provide a way for users to log out, which will destroy the session.

```
<?php
session_start();
session_unset();
session_destroy();
header("Location: login.php");
exit();
?>
```

7. Secure Sensitive Pages

Ensure that all sensitive pages include the session check to prevent unauthorized access.

By following these steps, you can ensure that only authenticated users can access your Quiz App. If you need more detailed guidance, you might find this <u>comprehensive tutorial</u> helpful.

Would you like more details on any specific part of this process?