

## Pharmacy Database.php

```
public function addPrescription($patientUserName, $medicationId, $dosageInstructions, $quantity) {
    // Step 1: Find the patient ID using the username
    $stmt = $this->connection->prepare(
        "SELECT user_id FROM Users WHERE userName = ? AND userType = 'patient'"
    );
    $stmt->bind_param("s", $patientUserName);
    $stmt->execute();
    $stmt->bind_result($patient_id);
    $stmt->fetch();
    $stmt->close();

    if ($patient_id) {
        // Step 2: Insert the prescription for the patient
        $stmt = $this->connection->prepare(
            "INSERT INTO Prescriptions (user_id, medications_id, prescribedDate, dosageInstructions,
quantity)
            VALUES (?, ?, NOW(), ?, ?)"
        );
        $stmt->bind_param("iisi", $patient_id, $medicationId, $dosageInstructions, $quantity);

        if ($stmt->execute()) {
            echo "Prescription added successfully";
        } else {
            throw new Exception("Failed to add prescription: " . $this->connection->error);
        }

        $stmt->close();
    } else {
        throw new Exception("Failed to add prescription: Patient not found");
    }
}
```

This part of the code is a method to add the prescriptions for a patient, where it locates the patient ID by using their username, then inserts the prescriptions for said patient. Then the SQL database executes the query to check if it's successful or not

## PharmacyServer.php

```
public function handleRequest() {
    $action = $_GET['action'] ?? 'home';
    $allowedActions = ['addPrescription', 'viewPrescriptions', 'viewInventory', 'viewUsers', 'home'];

    if (!in_array($action, $allowedActions)) {
        $action = 'home';
    }

    if (method_exists($this, $action)) {
        $this->$action();
    } else {
        $this->home();
    }
}
```

This is a method to handle requests that are incoming requests and route them to appropriate actions. It checks if the actions allowed exist or are on the list provided to be allowed. If the method is not allowed, the method goes back to the home page if what you are requesting does not exist.

ViewPrescriptions.php

```
<table>
  <tr>
    <th>Prescription ID</th>
    <th>User ID</th>
    <th>Medication ID</th>
    <th>Medication Name</th>
    <th>Dosage Instructions</th>
    <th>Quantity</th>
  </tr>
  <?php if (empty($prescriptions)): ?>
    <tr>
      <td colspan="6" class="no-data">No prescriptions available for viewing.</td>
    </tr>
  <?php else: ?>
    <?php foreach ($prescriptions as $prescription): ?>
      <tr>
        <td><?php echo htmlspecialchars($prescription['prescriptions_id']); ?></td>
        <td><?php echo htmlspecialchars($prescription['user_id']); ?></td>
        <td><?php echo htmlspecialchars($prescription['medication_id']); ?></td>
        <td><?php echo htmlspecialchars($prescription['medicationName']); ?></td>
        <td><?php echo htmlspecialchars($prescription['dosageInstructions']); ?></td>
        <td><?php echo htmlspecialchars($prescription['quantity']); ?></td>
      </tr>
    <?php endforeach; ?>
  <?php endif; ?>
</tbody>
</table>
```

This is a table that displays the list of prescriptions and checks for prescription ID, User ID, Medication ID, Medication name, Dosage Instructions, and Quantity. It then loops through each of the prescriptions, and it displays details of each loop.