1. ***Test Case 1: Log Entry Completeness***
   1. **Test Case ID:** 
      1. TC-05
   2. **Test Objective:**
      1. Verify that each log entry includes all required ata (time, medication, dosage, patient ID, and adherence status)
   3. **Preconditions**:
      1. The system has active logging for medication adherence
   4. **Test Steps:**
      1. Perform a medication reminder action to trigger a log entry.
      2. Access the log entry for the reminder.
      3. Check that each log includes time, medication name, dosage, patient ID, and adherence status.
   5. **Input Values:**
      1. Medication
         1. Ibuprofen
         2. Amoxicillin
         3. Metformin
      2. Dosage
         1. 400 mg
         2. 250 mg
         3. 1 tablet
      3. Patient ID
         1. P123456
         2. Rx202304
         3. A098765
      4. Time
         1. 8:00 am
         2. 12:30 pm
         3. 7:00 pm
   6. **Expected Results**
      1. The log entry contains time, medication name, dosage, patient ID, and adherence status
2. ***Test Case 2: Real-time Provider Access***
   1. **Test Case ID:** 
      1. TC-06
   2. **Test Objective:**
      1. Ensure providers have real-time access to medication adherence logs.
   3. **Preconditions:**
      1. Provider access permissions are set up and active.
   4. **Test Steps:**
      1. 1. Create a new Medication Adherence log entry.
      2. 2. Access the provider’s view of the log entries.
      3. Confirm the log entry appears immediately in the provider’s view after creation.
   5. **Input Values:**
      1. Medication
         1. Ibuprofen
         2. Amoxicillin
         3. Metformin
      2. Dosage
         1. 400 mg
         2. 250 mg
         3. 1 tablet
      3. ID of Patient
         1. P123456
         2. Rx202304
         3. A098765
   6. **Expected Results**
      1. Providers can access med-adherence logs in real-time.
3. ***Test Case 3: Summary Report Generation***
   1. **Test Case ID:** 
      1. TC-07
   2. **Test Objective:**
      1. Confirm the system generates a summary report over a specified period for a patient’s medication adherence.
   3. **Preconditions:**
      1. The system has a summary report feature for medication adherence.
   4. **Test Steps:**
      1. 1. Set a medication reminder over a period for a patient
      2. 2. Trigger report generation for the specified period.
      3. 3. Verify the Summary Report includes a complete record of adherence events.
   5. **Input Values:**
      1. Date Range
         1. 2024 - 11 - 01 to 2024 - 11 -07
         2. 2024 - 11 - 10 to 2025 - 2 - 14
         3. 2024 - 11 - 18 to 2024 - 12 - 24
      2. ID
         1. P123456
         2. Rx202304
         3. A098765
   6. **Expected Results**
      1. The summary report shows accurate medication adherence details over the specified period.
4. ***Test Case 4: Notification for No Meds Remaining***
   1. **Test Case ID:** 
      1. TC-08
   2. **Test Objective:**
      1. Verify that the system sends a notification to the doctor when a patient has no medications remaining.
   3. **Preconditions:**
      1. System is set to monitor remaining medication doses.
   4. **Test Steps:**
      1. 1. Set a patient’s medication supply to 0.
      2. 2. Wait for the system to process the zero med status.
      3. Check if the doctor receives a notification about lack of remaining medications.
   5. **Input Values:**
      1. Medication
         1. Ibuprofen
         2. Amoxicillin
         3. Metformin
      2. Dosage
         1. Always set to 0
      3. Patient ID
         1. P123456
         2. Rx202304
         3. A098765
   6. **Expected Results**
      1. The system sends a notification to doctor when there are no meds remaining for the patient.