```
MedicalRecords
==================================

1300400: Hgb, 2024-08-22 14:30, 15.2, g/dL, Completed, 2024-08-23 09:00
1300500: Hgb, 2024-01-01 14:10, 14, g/dL, Completed, 2024-01-01 15:30
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
1300500: BGT, 2024-08-01 05:20, 80, mg/dL, Pending
1300511: LDL, 2024-03-02 07:30, 110, mg/dL, Pending
1300520: systole, 2024-03-04 04:40, 150, mm Hg, Pending
1300550: BGT, 2024-08-21 08:45, 85, mg/dL, Pending
1300550: LDL, 2024-08-21 09:30, 90, mg/dL, Pending
==================================


--------------Medical Record Management System--------------

------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 1
 Enter Patient ID (7 digits): 1212164
No records found for Patient ID 1212164.
```

```
------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 1
 Enter Patient ID (7 digits): 1300500
Records for Patient ID 1300500:
1300500: Hgb, 2024-01-01 14:10, 14, g/dL, Completed, 2024-01-01 15:30
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
1300500: BGT, 2024-08-01 05:20, 80, mg/dL, Pending

------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 2
Enter Test Name to filter by: BGT
Records for Test Name 'BGT':
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
1300500: BGT, 2024-08-01 05:20, 80, mg/dL, Pending
1300550: BGT, 2024-08-21 08:45, 85, mg/dL, Pending
```

```
------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 3
  Enter Status (Pending, Completed, Reviewed): Completed

  Records for Status 'Completed':
1300400: Hgb, 2024-08-22 14:30, 15.2, g/dL, Completed, 2024-08-23 09:00
1300500: Hgb, 2024-01-01 14:10, 14, g/dL, Completed, 2024-01-01 15:30
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30

  ------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 4

  Enter Start Date (YYYY-MM-DD): 2024-01-01
  Enter End Date (YYYY-MM-DD): 2024-08-21

  Records from 2024-01-01 to 2024-08-21:
1300500: Hgb, 2024-01-01 14:10, 14, g/dL, Completed, 2024-01-01 15:30
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
```

```
------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 4

  Enter Start Date (YYYY-MM-DD): 2024-01-01
  Enter End Date (YYYY-MM-DD): 2024-08-21

  Records from 2024-01-01 to 2024-08-21:
1300500: Hgb, 2024-01-01 14:10, 14, g/dL, Completed, 2024-01-01 15:30
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
1300500: BGT, 2024-08-01 05:20, 80, mg/dL, Pending
1300511: LDL, 2024-03-02 07:30, 110, mg/dL, Pending
1300520: systole, 2024-03-04 04:40, 150, mm Hg, Pending
1300550: BGT, 2024-08-21 08:45, 85, mg/dL, Pending
1300550: LDL, 2024-08-21 09:30, 90, mg/dL, Pending
```

```
------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 5
Abnormal Tests:
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
1300511: LDL, 2024-03-02 07:30, 110, mg/dL, Pending
1300520: systole, 2024-03-04 04:40, 150, mm Hg, Pending

------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 6
Enter minimum turnaround time (format DD-HH-MM): 00-00-00
Enter maximum turnaround time (format DD-HH-MM): 00-00-10

Records with turnaround time between 00-00-00 and 00-00-10:
1300500: BGT, 2024-03-01 05:20, 105, mg/dL, Completed, 2024-03-01 05:30
```

PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE   PORTS

```
No criteria selected.

------Hello, Choose one:
  1. Filter by Patient ID
  2. Filter by Test Name
  3. Filter by Status
  4. Filter by Date Range
  5. Filter by Abnormal Tests
  6. Filter by Specific Turnaround Time
  7: Filter by Multiple Criteria
  8: Generate Summary Report
  q: Quit
Enter your choice: 7

Select criteria to filter by:
  1: Patient ID
  2: Test Name
  3: Status
  4: Date Range
  5: Abnormal Tests
Enter choice (1-5) or '0' to finish: 2
Enter choice (1-5) or '0' to finish: 3
Enter choice (1-5) or '0' to finish: 0
  Enter Test Name: BGT
Enter Status (Pending, Completed, Reviewed): Pending
Filtered Records:
1300500: BGT, 2024-08-01 05:20, 80, mg/dL, Pending
1300550: BGT, 2024-08-21 08:45, 85, mg/dL, Pending
```

```
------Hello, Choose one:
   1. Filter by Patient ID
   2. Filter by Test Name
   3. Filter by Status
   4. Filter by Date Range
   5. Filter by Abnormal Tests
   6. Filter by Specific Turnaround Time
   7: Filter by Multiple Criteria
   8: Generate Summary Report
   q: Quit
Enter your choice: 8
------------------------     Hgb     -------------------------
Min Result: 14.00      Max Result: 15.20      Average: 14.60
Min Turnaround Time: 80 minutes       Max Turnaround Time: 1110 minutes      Average Turnaround Time: 595.00 minutes

------------------------     BGT     -------------------------
Min Result: 80.00      Max Result: 105.00      Average: 90.00
Min Turnaround Time: 10 minutes       Max Turnaround Time: 10 minutes      Average Turnaround Time: 10.00 minutes

------------------------     LDL     -------------------------
Min Result: 90.00      Max Result: 110.00      Average: 100.00
Min Turnaround Time: 0 minutes    Max Turnaround Time: 0 minutes    Average Turnaround Time: 0.00 minutes

------------------------     systole -------------------------
Min Result: 150.00      Max Result: 150.00      Average: 150.00
Min Turnaround Time: 0 minutes    Max Turnaround Time: 0 minutes    Average Turnaround Time: 0.00 minutes


------Hello, Choose one:
```