Crime Reporting System

entity

Evidence.java

```
package entity;
public class Evidence {
       private int EvidenceID;
       private int IncidentID;
       private String LocationFound;
       private String Description;
       public Evidence(int EvidenceID,int IncidentID,String LocationFound,String Description)
       {
               this.EvidenceID=EvidenceID;
               this.IncidentID=IncidentID;
               this.LocationFound=LocationFound;
               this.Description=Description;
       }
       public int getEvidenceID()
       {
               return EvidenceID;
       }
       public int getIncidentID()
               return IncidentID;
       }
       public String getLocationFound()
       {
               return LocationFound;
```

```
}
       public String getDescription()
       {
               return Description;
       }
       public void setEvidenceID(int EvidenceID)
       {
               this.EvidenceID=EvidenceID;
       }
       public void setIncidentID(int IncidentID)
       {
               this.IncidentID=IncidentID;
       }
       public void setLocationFound(String LocationFound)
               this.LocationFound=LocationFound;
       }
       public void setDescription(String Description)
       {
               this.Description=Description;
       }
}
<mark>Incidents.java</mark>
package entity;
import java.time.LocalDate;
```

```
public class Incidents {
       private int IncidentID;
       private String IncidentType;
       private String IncidentDate;
       private String Location;
       private String Description;
       private String Status;
       private int VictimID;
       private int SuspectID;
       private int OfficerID;
       public Incidents(int IncidentID,String IncidentType,String IncidentDate,String
Location, String Description, String Status, int VictimID, int SuspectID, int OfficerID)
       {
               this.IncidentID=IncidentID;
               this.IncidentType=IncidentType;
               this.IncidentDate=IncidentDate;
               this.Location=Location;
               this.Description=Description;
               this.Status=Status;
               this.VictimID=VictimID;
               this.SuspectID=SuspectID;
               this.OfficerID=OfficerID;
       }
       public int getIncidentID() {
   return IncidentID;
 }
  public void setIncidentID(int incidentID) {
   IncidentID = incidentID;
```

```
}
public String getIncidentType() {
  return IncidentType;
}
public void setIncidentType(String incidentType) {
  IncidentType = incidentType;
}
public String getIncidentDate() {
  return IncidentDate;
}
public void setIncidentDate(String localDate) {
  IncidentDate = localDate;
}
public String getLocation() {
  return Location;
}
public void setLocation(String location) {
  Location = location;
}
public String getDescription() {
  return Description;
}
public void setDescription(String description) {
  Description = description;
```

```
}
public String getStatus() {
  return Status;
}
public void setStatus(String status) {
  Status = status;
}
public int getVictimID() {
  return VictimID;
}
public void setVictimID(int victimID) {
  VictimID = victimID;
}
public int getSuspectID() {
  return SuspectID;
}
public void setSuspectID(int suspectID) {
  SuspectID = suspectID;
}
public int getOfficerID() {
  return OfficerID;
}
public void setOfficerID(int officerID) {
  OfficerID = officerID;
```

```
}
}
LawEnforcementAgency.java
package entity;
public class LawEnforcementAgency {
  private int AgencyID;
  private String AgencyName;
  private String Jurisdiction;
  private String Address;
  private String PhoneNumber;
  private int officer;
  public LawEnforcementAgency(int AgencyID, String AgencyName, String Jurisdiction,
               String Address, String PhoneNumber, int officer) {
   this.AgencyID = AgencyID;
   this.AgencyName = AgencyName;
   this.Jurisdiction = Jurisdiction;
   this.Address = Address;
   this.PhoneNumber = PhoneNumber;
   this.officer = officer;
 }
  public int getAgencyID() {
   return AgencyID;
 }
  public void setAgencyID(int agencyID) {
```

```
AgencyID = agencyID;
}
public String getAgencyName() {
  return AgencyName;
}
public void setAgencyName(String agencyName) {
  AgencyName = agencyName;
}
public String getJurisdiction() {
  return Jurisdiction;
}
public void setJurisdiction(String jurisdiction) {
  Jurisdiction = jurisdiction;
}
public String getAddress() {
  return Address;
}
public void setAddress(String address) {
  Address = address;
}
public String getPhoneNumber() {
  return PhoneNumber;
}
public void setPhoneNumber(String phoneNumber) {
```

```
PhoneNumber = phoneNumber;
 }
 public int getOfficer() {
   return officer;
 }
  public void setOfficer(int officer) {
   this.officer = officer;
 }
}
Officers.java
package entity;
public class Officers {
  private int OfficerID; //
  private String FirstName;
  private String LastName;
  private String BadgeNumber;
  private String Rank;
  private String Address;
  private String PhoneNumber;
  private int AgencyID;
 // Constructor
  public Officers(int OfficerID, String FirstName, String LastName, String BadgeNumber,
         String Rank, String Address, String PhoneNumber, int AgencyID) {
    this.OfficerID = OfficerID;
    this.FirstName = FirstName;
   this.LastName = LastName;
   this.BadgeNumber = BadgeNumber;
    this.Rank = Rank;
```

```
this.Address = Address;
  this.PhoneNumber = PhoneNumber;
  this.AgencyID = AgencyID;
}
public int getOfficerID() {
  return OfficerID;
}
public void setOfficerID(int officerID) {
  OfficerID = officerID;
}
public String getFirstName() {
  return FirstName;
}
public void setFirstName(String firstName) {
  FirstName = firstName;
}
public String getLastName() {
  return LastName;
}
public void setLastName(String lastName) {
  LastName = lastName;
}
public String getBadgeNumber() {
  return BadgeNumber;
```

```
}
public void setBadgeNumber(String badgeNumber) {
  BadgeNumber = badgeNumber;
}
public String getRank() {
 return Rank;
}
public void setRank(String rank) {
 Rank = rank;
}
public String getAddress() {
 return Address;
}
public void setAddress(String address) {
 Address = address;
}
public String getPhoneNumber() {
 return PhoneNumber;
}
public void setPhoneNumber(String phoneNumber) {
 PhoneNumber = phoneNumber;
}
public int getAgencyID() {
 return AgencyID;
```

```
}
 public void setAgencyID(int agencyID) {
   AgencyID = agencyID;
 }
}
Reports.java
package entity;
public class Reports {
  private int ReportID;
  private int IncidentID;
  private int ReportingOfficer;
  private String ReportDate;
  private String ReportDetails;
  private String Status;
  public Reports(int ReportID, int IncidentID, int ReportingOfficer, String ReportDate,
        String ReportDetails, String Status) {
   this.ReportID = ReportID;
   this.IncidentID = IncidentID;
   this.ReportingOfficer = ReportingOfficer;
   this.ReportDate = ReportDate;
   this.ReportDetails = ReportDetails;
   this.Status = Status;
 }
  public int getReportID() {
    return ReportID;
```

```
}
public void setReportID(int reportID) {
  ReportID = reportID;
}
public int getIncidentID() {
  return IncidentID;
}
public void setIncidentID(int incidentID) {
  IncidentID = incidentID;
}
public int getReportingOfficer() {
  return ReportingOfficer;
}
public void setReportingOfficer(int reportingOfficer) {
  ReportingOfficer = reportingOfficer;
}
public String getReportDate() {
  return ReportDate;
}
public void setReportDate(String reportDate) {
  ReportDate = reportDate;
}
public String getReportDetails() {
  return ReportDetails;
```

```
}
 public void setReportDetails(String reportDetails) {
    ReportDetails = reportDetails;
 }
  public String getStatus() {
   return Status;
 }
  public void setStatus(String status) {
   Status = status;
 }
}
Suspects.java
package entity;
public class Suspects {
  private int SuspectID;
  private String FirstName;
  private String LastName;
  private String DateOfBirth;
  private String Gender;
  private String Address;
  private String PhoneNumber;
  public Suspects(int SuspectID, String FirstName, String LastName, String DateOfBirth,
         String Gender, String Address, String PhoneNumber) {
   this.SuspectID = SuspectID;
    this.FirstName = FirstName;
```

```
this.LastName = LastName;
 this.DateOfBirth = DateOfBirth;
 this.Gender = Gender;
 this.Address = Address;
 this.PhoneNumber = PhoneNumber;
}
public int getSuspectID() {
 return SuspectID;
}
public void setSuspectID(int suspectID) {
 SuspectID = suspectID;
}
public String getFirstName() {
 return FirstName;
}
public void setFirstName(String firstName) {
 FirstName = firstName;
}
public String getLastName() {
 return LastName;
}
public void setLastName(String lastName) {
 LastName = lastName;
}
```

```
public String getDateOfBirth() {
  return DateOfBirth;
}
public void setDateOfBirth(String dateOfBirth) {
  DateOfBirth = dateOfBirth;
}
public String getGender() {
  return Gender;
}
public void setGender(String gender) {
  Gender = gender;
}
public String getAddress() {
  return Address;
}
public void setAddress(String address) {
  Address = address;
}
public String getPhoneNumber() {
  return PhoneNumber;
}
public void setPhoneNumber(String phoneNumber) {
  PhoneNumber = phoneNumber;
}
```

Victims.java

```
package entity;
public class Victims {
  private int VictimID;
  private String FirstName;
  private String LastName;
  private String DateOfBirth;
  private String Gender;
  private String Address;
  private String PhoneNumber;
  public Victims(int VictimID, String FirstName, String LastName, String DateOfBirth, String
Gender, String Address, String PhoneNumber) {
       this.VictimID = VictimID;
   this.FirstName = FirstName;
   this.LastName = LastName;
   this.DateOfBirth = DateOfBirth;
   this.Gender = Gender;
   this.Address = Address;
   this.PhoneNumber = PhoneNumber;
 }
  public int getVictimID() {
   return VictimID;
 }
  public void setVictimID(int victimID) {
   VictimID = victimID;
```

```
}
public String getFirstName() {
  return FirstName;
}
public void setFirstName(String firstName) {
  FirstName = firstName;
}
public String getLastName() {
  return LastName;
}
public void setLastName(String lastName) {
  LastName = lastName;
}
public String getDateOfBirth() {
  return DateOfBirth;
}
public void setDateOfBirth(String dateOfBirth) {
  DateOfBirth = dateOfBirth;
}
public String getGender() {
  return Gender;
}
public void setGender(String gender) {
  Gender = gender;
```

```
}
 public String getAddress() {
   return Address;
 }
 public void setAddress(String address) {
   Address = address;
 }
 public String getPhoneNumber() {
   return PhoneNumber;
 }
 public void setPhoneNumber(String phoneNumber) {
   PhoneNumber = phoneNumber;
 }
}
dao
CrimeAnalysisDAO.java
package dao;
import entity.*;
import java.util.Collection;
import java.util.List;
public interface CrimeAnalysisDAO {
```

public List<Incidents> searchIncidents(String IncidentType);

```
public Reports generateIncidentReport(Incidents incident);
}
CrimeAnalysisImpl.java
package dao;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.List;
import java.util.ArrayList;
import java.sql.ResultSet;
import entity. Incidents;
import util.DBConnUtil;
import exception.*;
import entity.*;
public abstract class CrimeAnalysisImpl implements CrimeAnalysisDAO{
       private static Connection connection;
       static
       {
               connection = DBConnUtil.getConnectionObject();
       }
       public static boolean createIncident(Incidents incident)
       {
```

```
String query="INSERT INTO INCIDENTS VALUES(?,?,?,?,?,?,?,?)";
       try(PreparedStatement stmt=connection.prepareStatement(query))
       {
               stmt.setInt(1, incident.getIncidentID());
               stmt.setString(2, incident.getIncidentType());
               stmt.setString(3, incident.getIncidentDate());
               stmt.setString(4, incident.getLocation());
               stmt.setString(5, incident.getDescription());
               stmt.setString(6, incident.getStatus());
               stmt.setInt(7, incident.getVictimID());
               stmt.setInt(8, incident.getSuspectID());
               stmt.setInt(9, incident.getOfficerID());
               stmt.executeUpdate();
               return true;
       }
       catch(SQLException sql)
       {
               sql.printStackTrace();
       }
       return false;
}
public static boolean updateIncidentStatus(String ReportStatus,int IncidentID)
{
       String query1 = "UPDATE INCIDENTS SET STATUS=? WHERE INCIDENTID=?";
  String query2 = "UPDATE REPORTS SET STATUS=? WHERE INCIDENTID=?";
```

```
try
  (PreparedStatement stmt1 = connection.prepareStatement(query1);
  PreparedStatement stmt2 = connection.prepareStatement(query2))
 {
       stmt1.setString(1, ReportStatus);
       stmt1.setInt(2, IncidentID);
       stmt2.setString(1, ReportStatus);
       stmt2.setInt(2, IncidentID);
       stmt1.executeUpdate();
       stmt2.executeUpdate();
       System.out.println("Status has been Updated Successfully...");
       return true;
 }
  catch(SQLException sql)
       sql.printStackTrace();
 }
       return false;
}
public static List<Incidents> getIncidentInDateRange(String startDate,String endDate)
{
       List<Incidents> incidents=new ArrayList<>();
```

```
String query="SELECT * FROM INCIDENTS WHERE INCIDENTDATE BETWEEN?
AND ?";
               try(Connection connection=DBConnUtil.getConnectionObject())
               {
                       PreparedStatement stmt=connection.prepareStatement(query);
                      stmt.setString(1, startDate);
                      stmt.setString(2, endDate);
                      ResultSet rs=stmt.executeQuery();
                      while(rs.next())
                      {
                              while (rs.next()) {
                                Incidents incident = new Incidents(
                                  rs.getInt("IncidentID"),
                                  rs.getString("IncidentType"),
                                  rs.getString("IncidentDate"),
                                  rs.getString("Location"),
                                  rs.getString("Description"),
                                  rs.getString("Status"),
                                  rs.getInt("VictimID"),
                                  rs.getInt("SuspectID"),
                                  rs.getInt("OfficerID")
                                );
                                incidents.add(incident);
                              }
                      }
               }
               catch(SQLException sql)
               {
                      sql.printStackTrace();
                      return null;
```

}

```
return incidents;
}
public static List<Incidents> getIncidentsByIncidentType(String IncidentType)
{
       String query="SELECT * FROM INCIDENTS WHERE INCIDENTTYPE = ?";
       List<Incidents> incidents=new ArrayList<>();
       try(Connection connection=DBConnUtil.getConnectionObject())
       {
               PreparedStatement stmt=connection.prepareStatement(query);
               stmt.setString(1,IncidentType);
               ResultSet rs=stmt.executeQuery();
               while (rs.next()) {
                 Incidents incident = new Incidents(
                   rs.getInt("IncidentID"),
                   rs.getString("IncidentType"),
                   rs.getString("IncidentDate"),
                   rs.getString("Location"),
                   rs.getString("Description"),
                   rs.getString("Status"),
                   rs.getInt("VictimID"),
                   rs.getInt("SuspectID"),
                   rs.getInt("OfficerID")
                 );
                 incidents.add(incident);
               }
```

```
}
       catch(SQLException sql)
       {
               sql.printStackTrace();
               return null;
       }
       return incidents;
}
public static List<Reports> getReportByIncidentID(int IncidentType)
{
       String query="SELECT * FROM REPORTS WHERE INCIDENTID=?";
       List<Reports> reports=new ArrayList<>();
       try(Connection connection=DBConnUtil.getConnectionObject())
       {
               PreparedStatement stmt=connection.prepareStatement(query);
               stmt.setInt(1, IncidentType);
               ResultSet rs=stmt.executeQuery();
              while(rs.next())
              {
                      Reports report = new Reports(
                          rs.getInt("ReportID"),
                          rs.getInt("IncidentID"),
                          rs.getInt("ReportingOfficer"),
                          rs.getString("ReportDate"),
                          rs.getString("ReportDetails"),
```

```
rs.getString("Status")
                         );
                       reports.add(report);
               }
               return reports;
       }
       catch(SQLException sql)
       {
               sql.printStackTrace();
               return null;
       }
}
public static void printArrayList(List<Incidents> incidents) {
  System.out.println("Incident Details:");
  for (Incidents incident: incidents) {
    System.out.println("Incident ID: " + incident.getIncidentID());
    System.out.println("Type: " + incident.getIncidentType());
    System.out.println("Date: " + incident.getIncidentDate());
    System.out.println("Location: " + incident.getLocation());
    System.out.println("Description: " + incident.getDescription());
    System.out.println("Status: " + incident.getStatus());
    System.out.println("Victim ID: " + incident.getVictimID());
    System.out.println("Suspect ID: " + incident.getSuspectID());
    System.out.println("Officer ID: " + incident.getOfficerID());
    System.out.println("-----");
 }
```

```
}
       public static void printReportsArrayList(List<Reports> reports) {
         System.out.println("Report Details:");
         for (Reports report : reports) {
           System.out.println("Report ID: " + report.getReportID());
           System.out.println("Incident ID: " + report.getIncidentID());
           System.out.println("Reporting Officer: " + report.getReportingOfficer());
           System.out.println("Report Date: " + report.getReportDate());
           System.out.println("Report Details: " + report.getReportDetails());
           System.out.println("Status: " + report.getStatus());
           System.out.println("-----");
         }
       }
}
getInputs.java
package dao;
import entity.*;
import java.util.Scanner;
public class getInputs {
       public static Scanner scanner=new Scanner(System.in);
       public static Incidents createIncidentInput()
       {
               System.out.println("Enter Incident ID: ");
               int IncidentID = scanner.nextInt();
```

```
scanner.nextLine();
               System.out.println("Enter IncidentType (e.g., Robbery, Homicide, Theft):");
               String IncidentType = scanner.nextLine();
               System.out.println("Enter Incident Date (yyyy-mm-dd):");
               String IncidentDate = scanner.nextLine();
               System.out.println("Enter Location (Geospatial Data: Latitude and Longitude):
");
               String Location = scanner.nextLine();
               System.out.println("Enter Description:");
               String Description = scanner.nextLine();
               System.out.println("Enter Status (e.g., Open, Closed, Under Investigation):");
               String Status = scanner.nextLine();
               System.out.println("Enter Victim ID:");
               int VictimID = scanner.nextInt();
               scanner.nextLine();
               System.out.println("Enter Suspect ID:");
               int SuspectID = scanner.nextInt();
               scanner.nextLine();
               System.out.println("Enter Officer ID:");
               int OfficerID = scanner.nextInt();
```

Incidents incident=new Incidents(IncidentID,IncidentType,IncidentDate,Location,Description,Status,VictimID,SuspectID,OfficerID);

```
return incident;
       }
}
exception
IncidentNotFoundInDateRangeException.java
package exception;
public class IncidentNotFoundInDateRangeException extends Exception {
       private static final long serialVersionUID = 1L;
       public IncidentNotFoundInDateRangeException(String message) {
   super(message);
 }
}
IncidentNumberNotFoundException.java
package exception;
public\ class\ \underline{IncidentNumberNotFoundException}\ extends\ Exception\ \{
  public IncidentNumberNotFoundException(String message) {
   super(message);
 }
}
main
main_module.java
package main;
import java.sql.*;
import java.util.*;
```

```
import entity.*;
import util.*;
import dao.*;
import java.util.List;
import exception.*;
public class main_module {
       public static void main(String[] args) {
               Scanner scanner=new Scanner(System.in);
               boolean exit=false;
               while(!exit)
               {
                       System.out.println("\n=== Crime Analysis and Reporting System ===");
           System.out.println("1. Create Incident");
           System.out.println("2. Update Incident Status");
           System.out.println("3. Get Incidents in Date Range");
           System.out.println("4. Search Incidents");
           System.out.println("5. Generate Incident Report");
           System.out.println("6. Exit");
           System.out.print("Enter your choice: ");
           int choice=scanner.nextInt();
           switch(choice)
           {
           case 1:
               Incidents incident=getInputs.createIncidentInput();
               if(CrimeAnalysisImpl.createIncident(incident))
               {
                       System.out.println("Incident Created Successfully...!");
```

```
break;
           case 2:
               System.out.println("Enter Incident ID:");
               int IncidentID=scanner.nextInt();
               scanner.nextLine();
               System.out.println("Enter current Status of Incident:");
               String ReportStatus=scanner.nextLine();
               CrimeAnalysisImpl.updateIncidentStatus(ReportStatus, IncidentID);
               break:
           case 3:
               System.out.println("Enter a start Date(yyyy-mm-dd): ");
               String startDate=scanner.nextLine();
               scanner.nextLine();
               System.out.println("Enter a end Date (yyyy-mm-dd): ");
               String endDate=scanner.nextLine();
               List<Incidents> incidents = null;
               try {
         incidents = CrimeAnalysisImpl.getIncidentInDateRange(startDate, endDate);
         if (incidents != null && !incidents.isEmpty()) {
           CrimeAnalysisImpl.printArrayList(incidents);
         } else {
           throw new IncidentNotFoundInDateRangeException("No incidents found in the
given date range.");
         }
               } catch (IncidentNotFoundInDateRangeException e) {
```

}

```
System.err.println(e.getMessage());
               } catch (Exception e) {
                 e.printStackTrace();
               }
               break;
           case 4:
               scanner.nextLine();
               System.out.println("Enter Incident Type to search Incident:");
               String IncidentType=scanner.nextLine();
               List<Incidents>inci =
CrimeAnalysisImpl.getIncidentsByIncidentType(IncidentType);
               if(inci!=null && !inci.isEmpty())
               {
                       CrimeAnalysisImpl.printArrayList(inci);
               }
               else
               {
                       System.out.println("No Incident of type "+IncidentType+"\n");
               }
               break;
           case 5:
               try {
                 scanner.nextLine();
```

```
System.out.println("Enter your Incident ID to view the current Report: ");
                 int IncidentID1 = scanner.nextInt();
                 List<Reports> reports =
CrimeAnalysisImpl.getReportByIncidentID(IncidentID1);
                 if (reports != null && !reports.isEmpty()) {
                   CrimeAnalysisImpl.printReportsArrayList(reports);
                 } else {
                   throw new IncidentNumberNotFoundException("No Incident with ID " +
IncidentID1 + " found.");
                 }
               } catch (IncidentNumberNotFoundException e) {
                 System.err.println(e.getMessage());
               } catch (Exception e) {
                 e.printStackTrace();
               }
               break;
           case 6:
               System.out.println("Exiting... Goodbye!");
       exit = true;
       break;
           default:
       System.out.println("Invalid choice. Please try again.");
           }
               }
       }
```

```
}
util
DBConnUtil.java
package util;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class DBConnUtil
{
       public static Connection getConnectionObject()
       {
              String url = DBPropertyUtil.getConnectionString("db.properties");
              Connection connection = null;
              try
              {
                      connection = DriverManager.getConnection(url);
                      System.out.println("Connection Established Successfully...");
              }
              catch(SQLException sql)
              {
                      sql.printStackTrace();
              }
              return connection;
       }
}
```

DBPropertyUtil.java

```
package util;
import java.io.FileInputStream;
import java.io.IOException;
import java.util.Properties;
public class DBPropertyUtil
       public static String getConnectionString(String DBFileName)
       {
              Properties properties=null;
              String protocol=null;
              String dbname=null;
              String user=null;
              String password=null;
              DBFileName="./src/"+DBFileName;
              try(FileInputStream input = new FileInputStream(DBFileName))
              {
                      properties = new Properties();
                      properties.load(input);
                      protocol=properties.getProperty("protocol");
                      dbname=properties.getProperty("dbname");
                      user=properties.getProperty("user");
                      password=properties.getProperty("password");
              }
              catch(IOException ex)
              {
```

```
ex.printStackTrace();
               }
               if(protocol!=null && dbname!=null && user!=null && password!=null)
               {
                      return protocol+"/"+dbname+"?user="+user+"&password="+password;
               }
               return null;
       }
}
module-info.java
/**
module crime {
       requires java.sql;
       requires org.junit.jupiter.api;
 requires org.junit.platform.commons; // Platform common utilities (optional for most use
cases)
 requires org.junit.jupiter.params;
}
db.properties
```

```
protocol = jdbc:mysql://localhost:3306
dbname = crime
user = root
password = Charu@07
JUNIT
IncidentServiceTest.java
package JUNIT;
import static org.junit.jupiter.api.Assertions.*;
import dao.CrimeAnalysisImpl;
import org.junit.jupiter.api.Test;
import java.util.List;
import entity.*;
import exception.*;
public class IncidentServiceTest {
  @Test
  public void testCreateIncident() {
   Incidents newIncident = new Incidents(108, "Robbery", "2024-11-23", "123, ABC Street",
"Stolen items", "Open", 1, 1,301);
   boolean isCreated = CrimeAnalysisImpl.createIncident(newIncident);
   assertTrue(isCreated, "Incident should be created successfully.");
 }
  @Test
  public void testUpdateIncidentStatus_Success() {
   int incidentID = 101;
```

```
String newStatus = "Closed";
    boolean\ is Updated = Crime Analysis Impl. updateIncident Status (new Status, incident ID);
    assert True (is Updated, "The incident status should be updated successfully.");\\
  }
}
```