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package HomeAffairsPackage;

import java.io.FileNotFoundException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

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public class DatabaseManager {

Connection conn = null;

public DatabaseManager() {

String filename = "HomeAffairs.accdb";

try {

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

//sun.jdbc.odbc.JdbcOdbcDriver net.ucanaccess.jdbc.UcanaccessDriver

if (filename.endsWith(".mdb") || filename.endsWith(".accdb")) {

String url = "jdbc:ucanaccess://" + filename;

conn = DriverManager.getConnection(url);

//Creates a connection with the database

} else {

throw new FileNotFoundException();

}

System.out.println("Connection successful");

} catch (Exception e) {

System.out.println("Failed to get connection");

e.printStackTrace();

}

}

//Querys the database

public ResultSet queryDatabase(String sql) throws SQLException {

Statement stmt = conn.createStatement();

return stmt.executeQuery(sql);

}

//Updates the tables in the database

public void updateDatabase(String sql) throws SQLException {

Statement stmt = conn.createStatement();

stmt.execute(sql);

}

}