

Team Data Pirates

Project Name

Police Record Management System

Presented By

MD Ahsanul Hasan Rifat (CS-2102048)

Abdullah Al Towsif (CS-2102061)

MD Irfanul Kabir Hira (CS-2102055)

Didarul Haque Didar (CS-2102068)

Safi Ahmed (CS-2102072)

Supervised by

Jarin Tasnim Tamanna

Lecturer,

**Department of Computer
Science & Engineering**

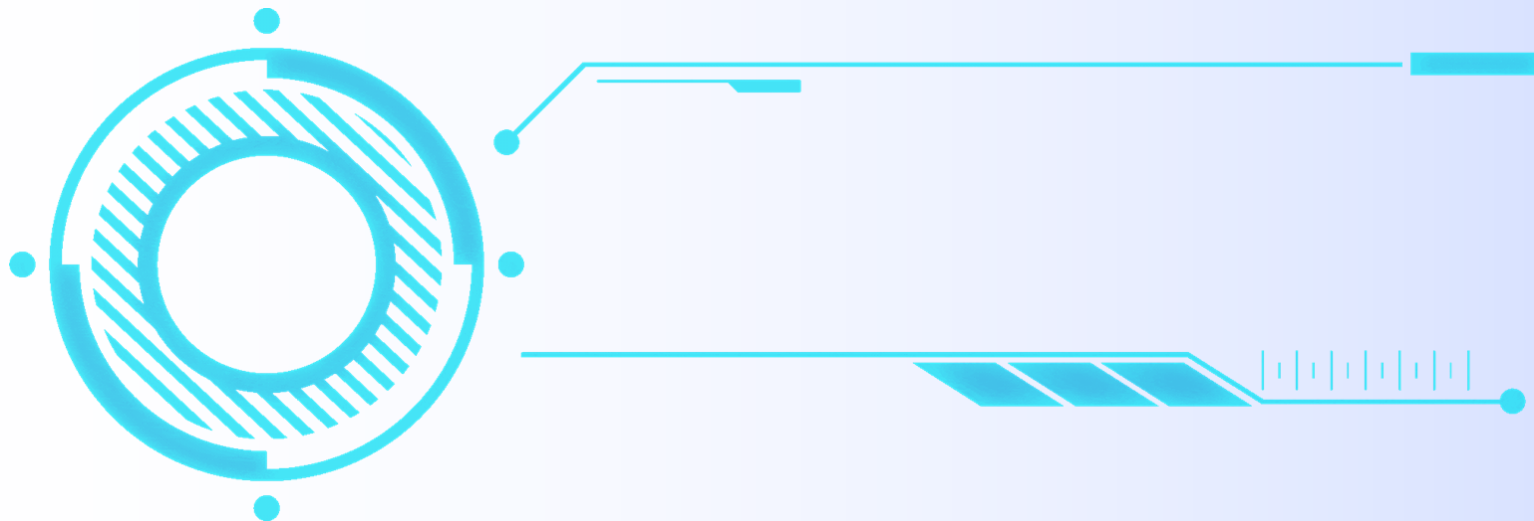
**National Institute of Textile Engineering &
Research**

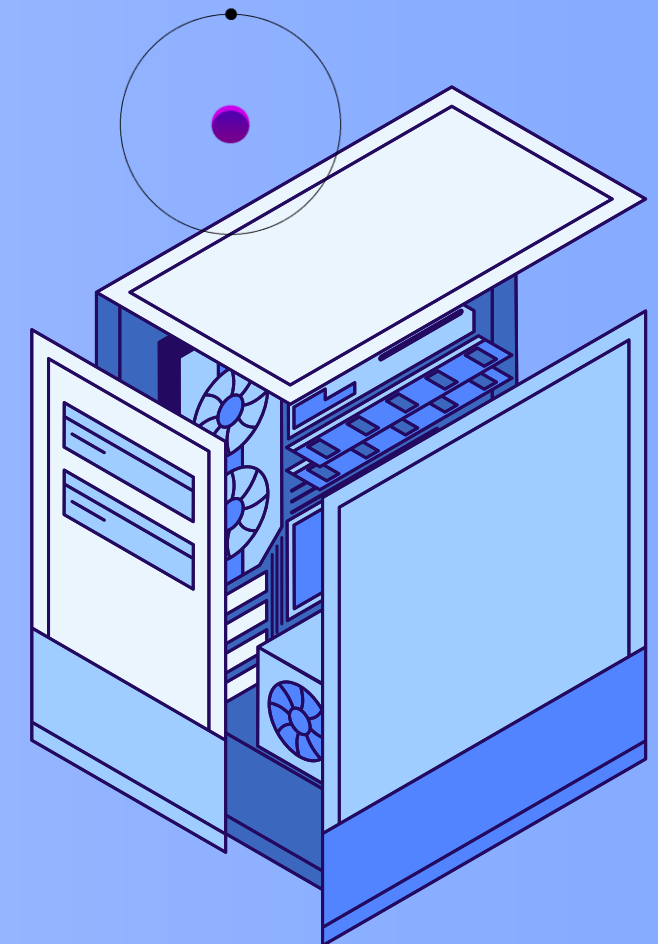
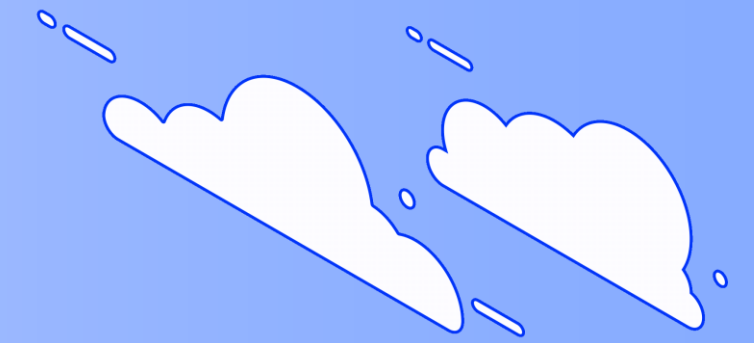
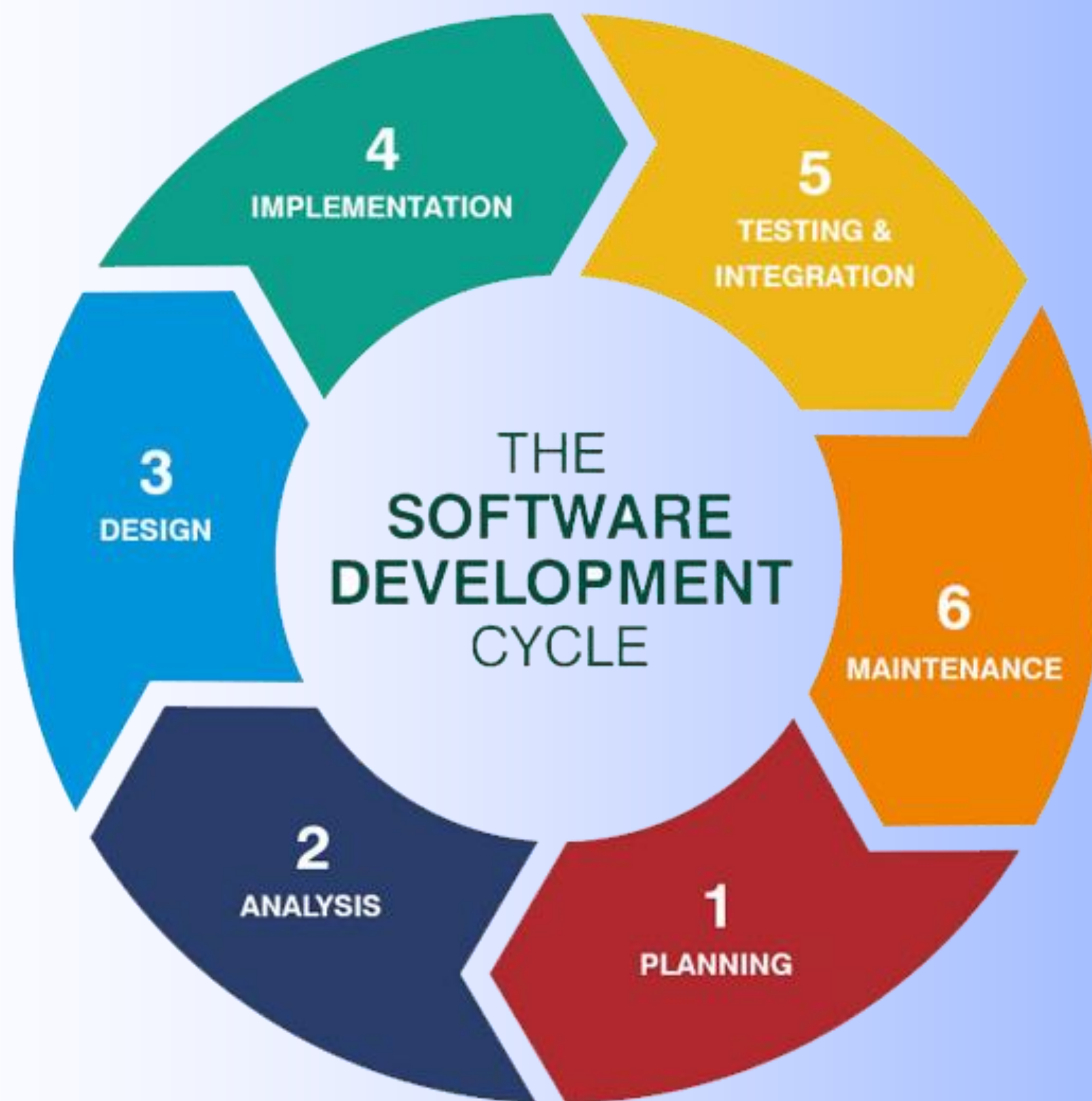


Introduction

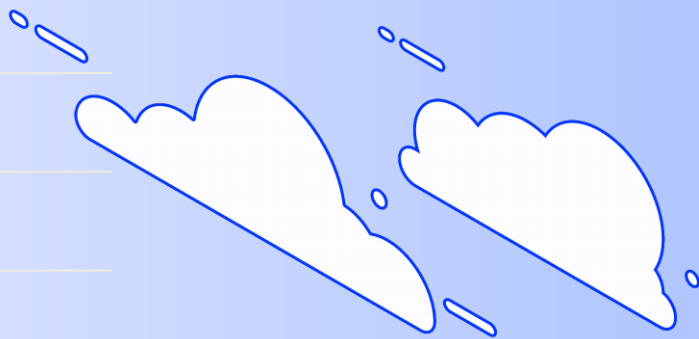
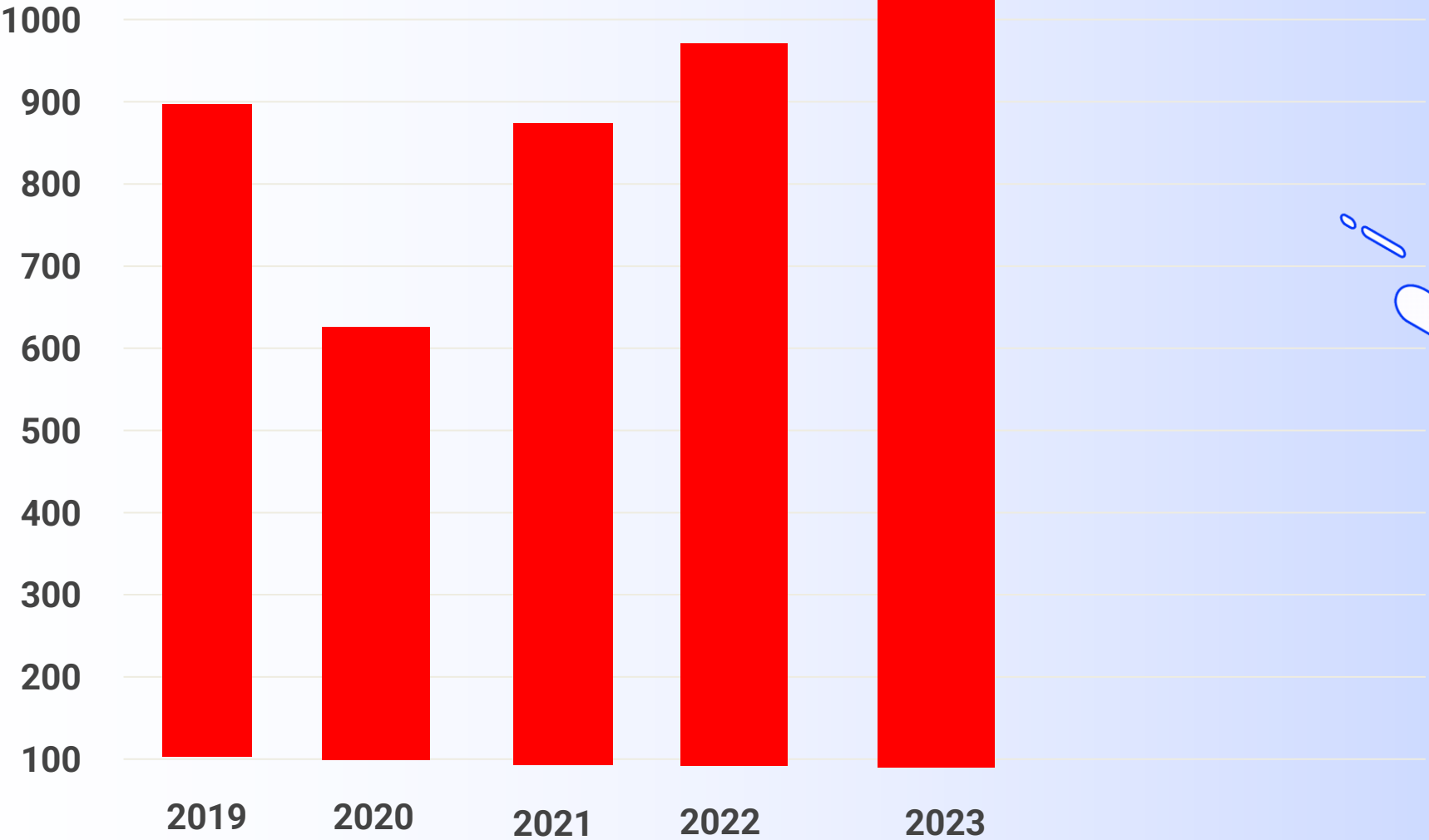
This Project is a digital police record verification Process where we can easily

- **Find a person's identity** 
- **Crime records** 





Feasibility Study



Manual and Time-Consuming Processes

Support for Investigation

Security Concerns

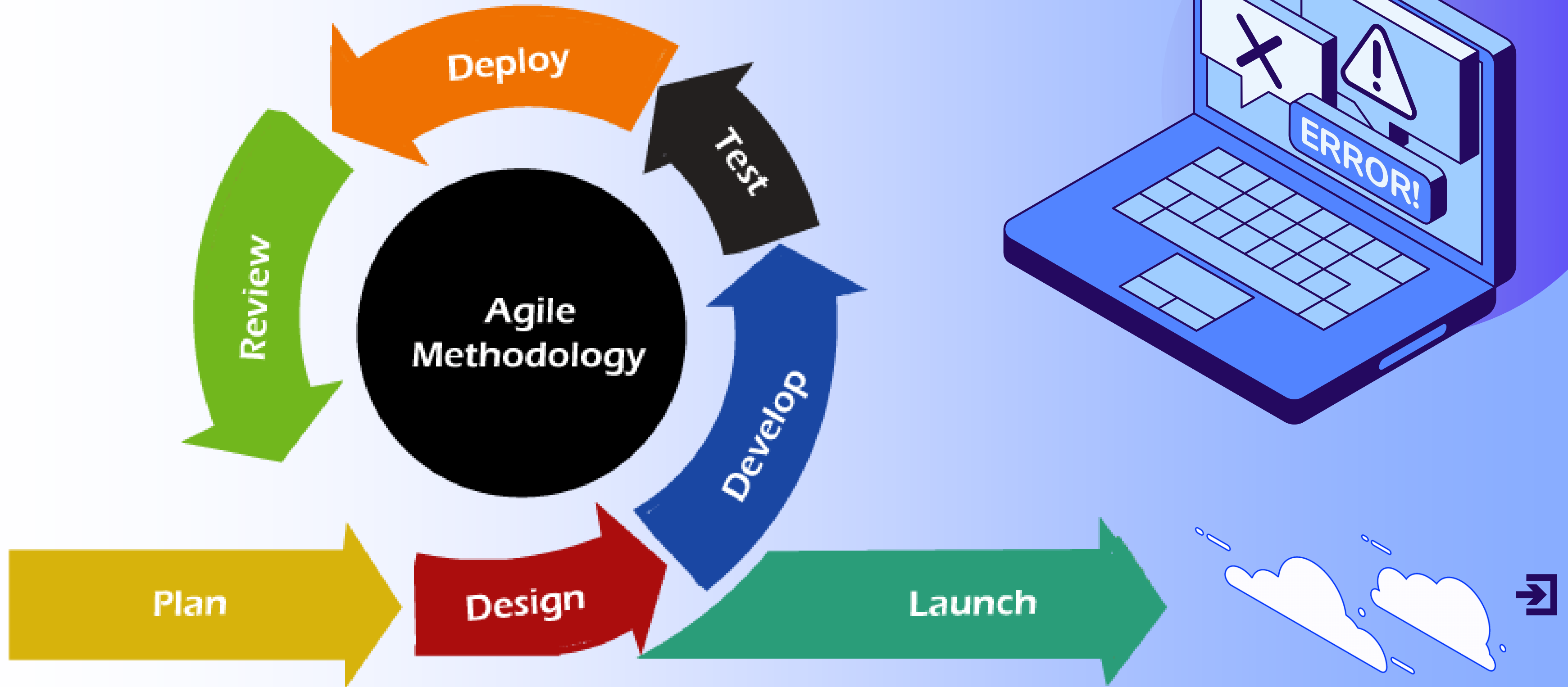
Ineffective Communication Between Agencies



Process Model



Our Project run through Pipe and Filter Style,
And this is an Agile Model



Requirement Analysis



Required Time & Budget

Budget: 10,0000

Esteemed Time : 3 months

Phase :

- > Requirement Gathering
- > Design
- > Development
- > Testing
- > Maintenance

Required Manpower

MD Ahsanul Hasan Rifat
- Backend Developer.

Abdullah Al Towsif
- Frontend Developer.

MD Irrfanul Kabir Hira
-UI-UX Designer.

Safi Ahmed
-Database Designer.

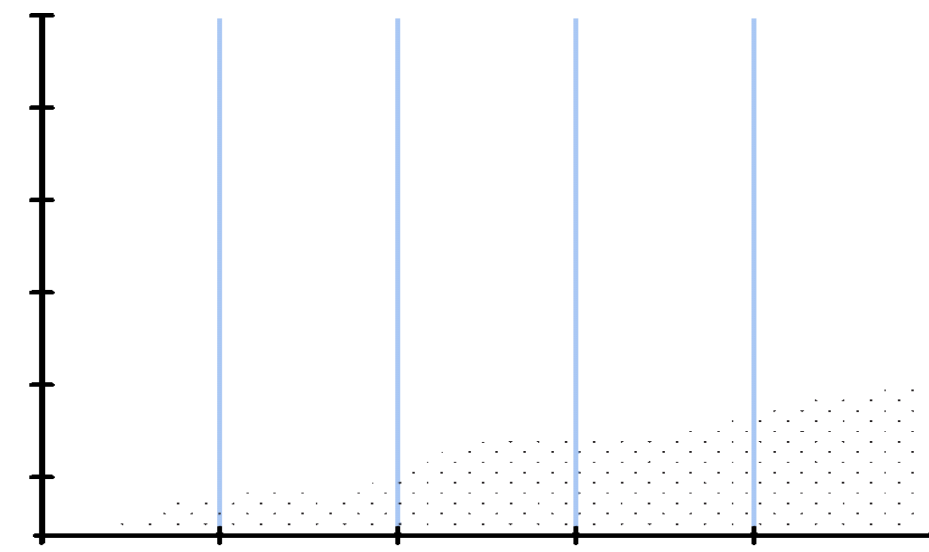
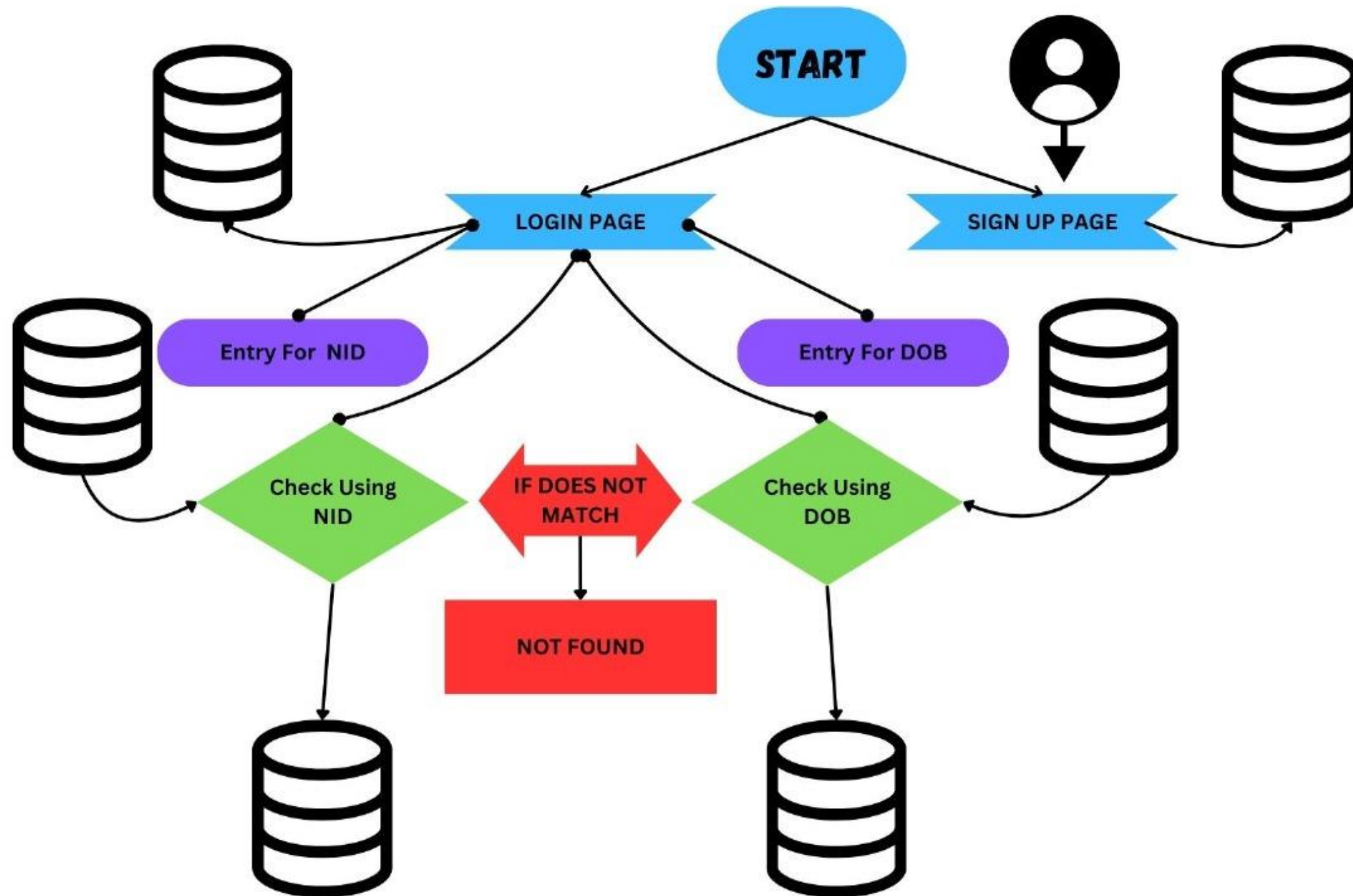
Didarul Hauque Didar
-Project Manager.

Required Software

PyCharm IDE
Selenium
VS Code IDE
Python
Django Framework

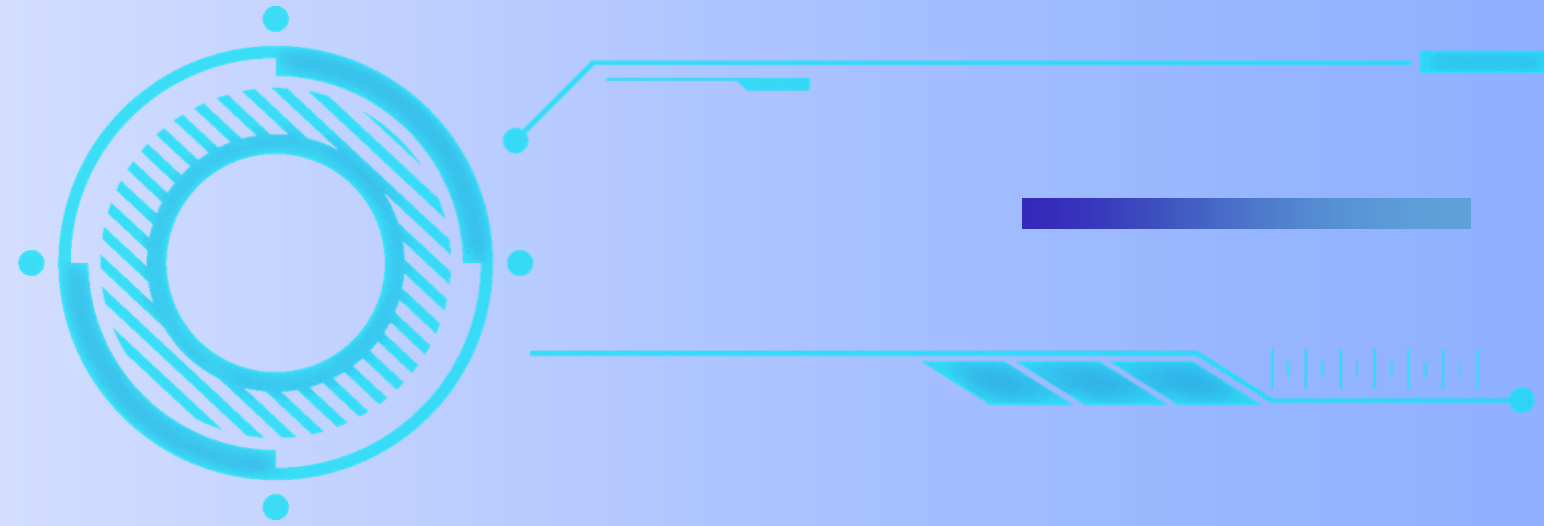


Design



All Databases are the same

Development



VS Code

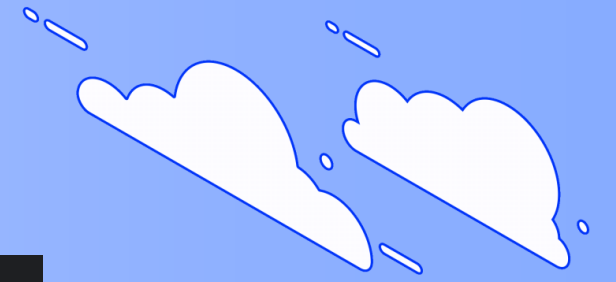
**HTML
CSS
Bootstrap**

Django

SQLite



Testing



```
seleniumHira.py × Jira.py
1
2  ✓ from selenium import webdriver
3  from selenium.webdriver.chrome.options import Options
4  from selenium.webdriver.common.by import By
5  import time
6
7  options = Options()
8  options.add_experimental_option(name="detach", value=True)
9  driver = webdriver.Chrome(options=options)
10 driver.get('https://prms.pythonanywhere.com/')
11 driver.maximize_window()
12 driver.find_element(By.ID, value="id_username").send_keys("rifat")
13 driver.find_element(By.NAME, value="password").send_keys("rifat")
14
15 driver.find_element(By.CLASS_NAME, value="text-white").click()
16
17 time.sleep(5)
18 driver.find_element(By.LINK_TEXT, value="Record Check NID").click()
19 time.sleep(5)
20 driver.find_element(By.NAME, value="search_query").send_keys("12345678")
21 time.sleep(1)
22 driver.find_element(By.CLASS_NAME, value="btn").click()
23 time.sleep(5)
24 driver.find_element(By.LINK_TEXT, value="Signout").click()
25 time.sleep(5)
26
27 driver.close()
28
```



Testing the Login Page

Police Record Management Police Record Entry NID Police Record Entry DOB Police Record Check NID Police Record Check DOB

Signin for access Police Record
Management

Username*

Password*

Login

Police Record Management Record Entry NID Record Entry DOB Record Check NID Record Check DOB Signout

Police Record Entry NID

Nid number*

123456

Name*

Safi Ahmed

Father name*

Kafi Ahemd

Mother name*

Chabi Kabir

Birthmark*

NO

ExtralidentificationMark*

Black

Address*

Barishal

Phone number*

01615099989

Date of birth*

2000-08-27

Crime type*

Robber

Crime location*

Barishal

Crime date time*

3/7/2024

Crime status*

Killed 3 person

Picture

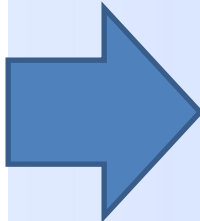
Browse...

Robber.png

Testing the Criminal record Trough NID



Search record using NID number



123456

Search

Record search using NID



Name:- Sohag
Father name:- Didar
Mother name:- Israt
Address:- Pabna
Phone no:- 0161509987
Birthmark:- Dark Scin
Extra Identification Mark:- Cutting Face
Crime_type:- Laptop Chor
Crime_location:- Imtiaz er Basha
Crime date and time:- Aug. 24, 2024, 8:25 a.m.
Crime status:- Bail

Signout Testing

ent

Record Entry NID


Record Entry DOB

Record Check NID

Record Check DOB

Signout

Record search using NID



Name:- Sohag

Father name:- Didar

Mother name:- Israt

Address:- Pabna

Phone no:- 0161509987

Birthmark:- Dark Scin

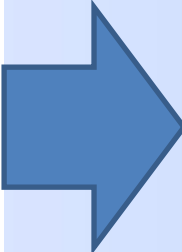
Extra Identification Mark:- Cutting Face

Crime_type:- Laptop Chor

Crime_location:- Imtiaz er Basha

Crime date and time:- Aug. 24, 2024, 8:25 a.m.

Crime status:- Bail



Police Record Entry NID

Police Record Entry DOB

Police Record Check NID

Police Record Check DOB

Signin for access Police Record Management

Username*

Password*

Login

FileEditSelectionViewGoRunTerminalHelp

New Folder (2)

test.py ×check.py

test.py > ...
1 from selenium import webdriver
2 from selenium.webdriver.chrome.options import Options
3 from selenium.webdriver.chrome.service import Service
4 from webdriver_manager.chrome import ChromeDriverManager
5 from selenium.webdriver.common.by import By
6 import time
7
8 options = Options()
9 options.add_experimental_option(name="detach", value=True)
10 service = Service(ChromeDriverManager().install())
11 driver = webdriver.Chrome(service=service)
12 driver.get('https://prms.pythonanywhere.com/')
13 # driver.get("https://www.youtube.com/")
14 driver.maximize_window()
15 driver.find_element(By.ID, value="id_username").send_keys("rifat")
16 driver.find_element(By.ID, value="id_password").send_keys("rifat")
17
18 driver.find_element(By.CLASS_NAME, value="text-white").click()
19
20 time.sleep(5)
21 driver.find_element(By.LINK_TEXT, value="Record Check MID").click()
22 time.sleep(5)
23 driver.find_element(By.NAME, value="search_query").send_keys("12345")
24 time.sleep(5)
25 driver.find_element(By.CLASS_NAME, value="btn").click()
26 time.sleep(5)
27 anchors = driver.find_elements(By.TAG_NAME, "a") # Find all button tags
28 for anchor in anchors:
29 if anchor.text == "Signout": # Check for specific button text
30 print(anchor.text)
31 anchor.click()
32 break
33 time.sleep(10)

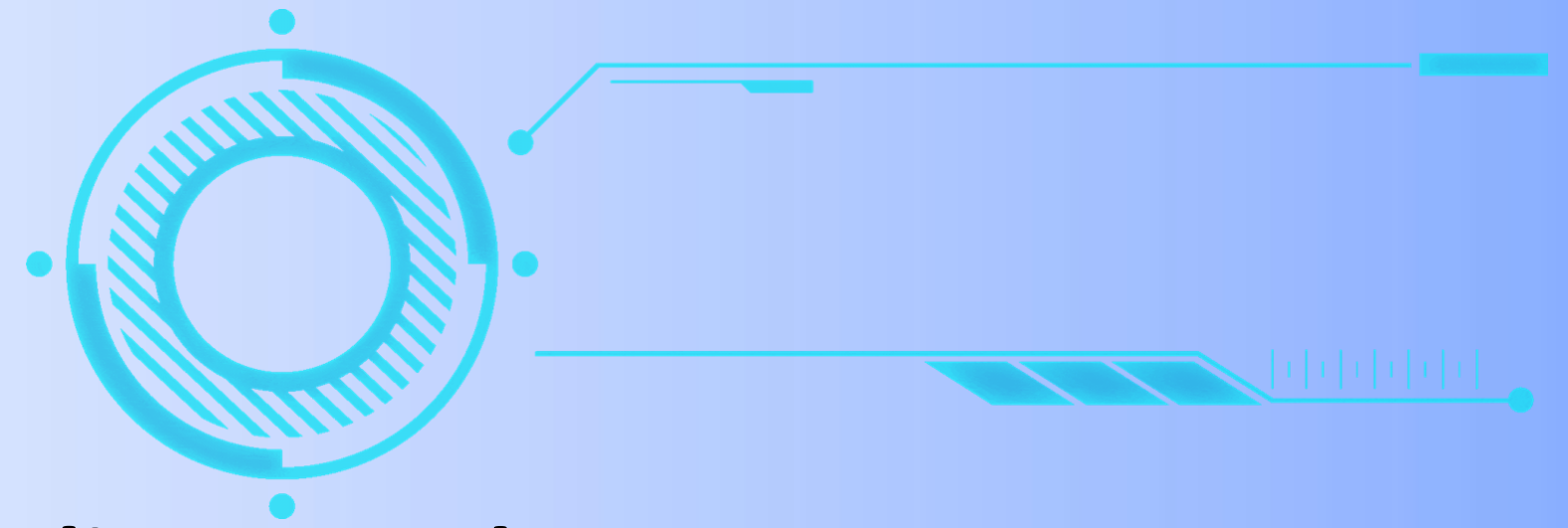
PROBLEMSOUTPUTDEBUG CONSOLETERMINALPORTS

PS C:\Users\RIFAT\Desktop\New folder (2)>

CodePythonGo Live

Ln 14, Col 25Spaces: 4UTF-8CRLFPython 3.11.5 64-bitGo Live

Conclusion



Project Summary

- Successfully developed a digital platform for police record management.
- Simplified the process of verifying identities and accessing crime records.

Key Benefits

- Enhanced accuracy and reliability in police verification processes.
- Automated and faster record searches using NID.

Impact

- Saves time and effort compared to traditional manual processes.

Future Work

Scalability

- Integrate with national databases for real-time updates.

Features to Add

- Mobile application for on-the-go access.
- Biometric verification

