

Software Engineering 2016



FROM LEFT TO RIGHT :-

HARSHIT JAIN (14UCS047) , ADITYA SHARMA (14UCS007) , VINOD KUMAR SHARMA (14UCC042) , CHHATRAPATI JAIN (14UCS033) , RAJAT RANJAN (14UCC030) , ANSHUL GOYAL (14UCS020) .

Group ID: A13

<CRIME BOOK>

Product Owner: Aditya Sharma **and Scrum Master:** Harshit Jain

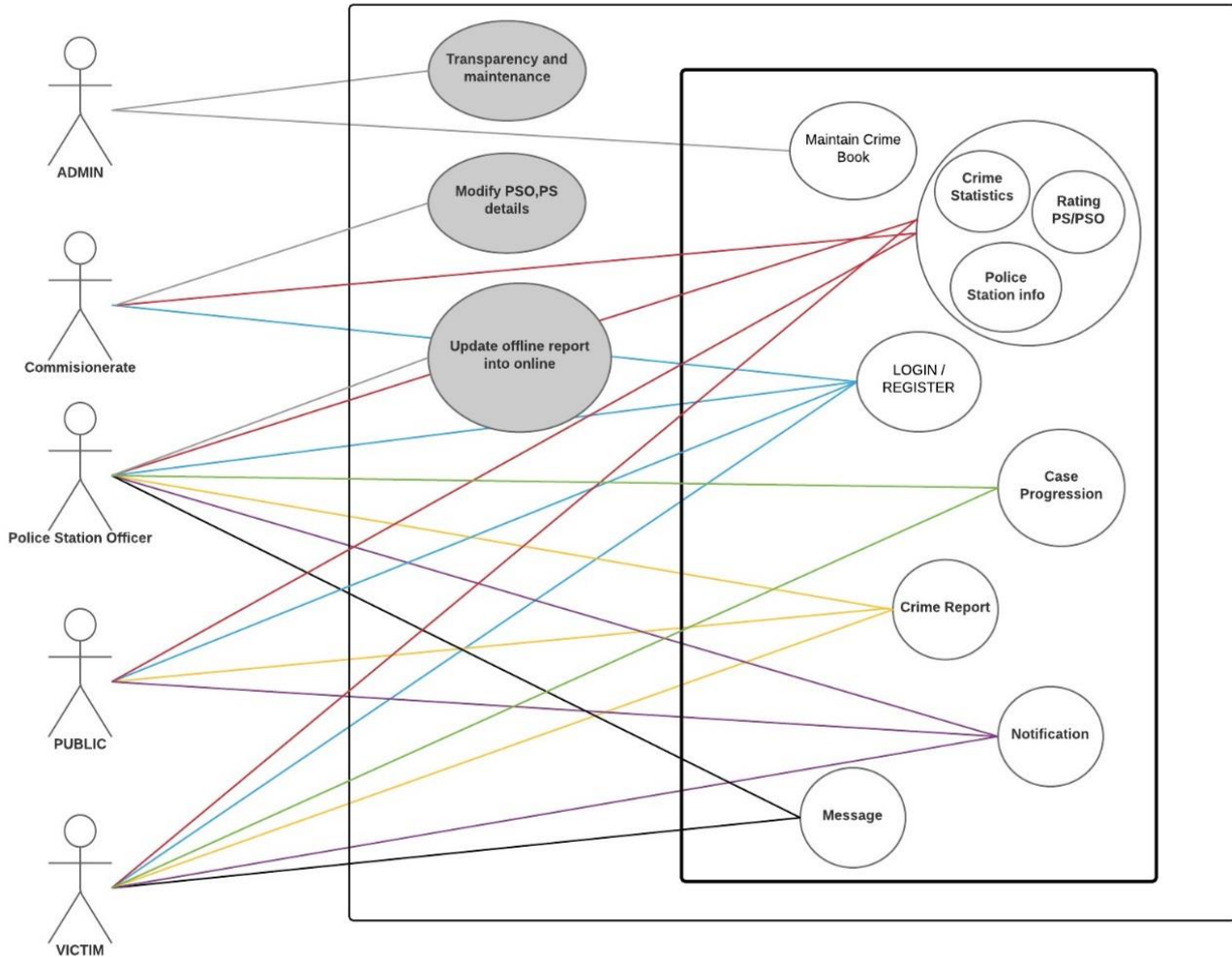
PURPOSE :

- 1) To ease public & police interaction by creating a online platform.
- 2) Online FIR Report.
- 3) Navigate crime density of various cities and colonies.
- 4) Make public aware of prevailing crime in city.

Use case diagram

CRIME BOOK(C.B) USE CASE DIAGRAM

GROUP A13



Product Backlog

Story ID	As a/an	I Want to	So that...	Priority (H/M/L)
100	Victim	Report .	I get justice.	H
101	Victim	See the status of investigation of crime.	I become aware and pressurize police to do their work efficiently.	M
102	Victim	Have notification when my case has been solved.	Able to get justice.	M
103	Victim	Communicate with police through message.	I can provide evidence of crime to police.	H
104	Public	Report crime in my area.	It could be highlighted and brought to justice.	H
105	Public	Know the address of nearest police station.	I could go there immediately in case of any emergency.	L
106	Public	See the statistics of various crime prevailing in my city.	I could be more careful and conscious.	M
107	Public	Navigate crime rate of different cities/colonies.	So that I can plan to visit that area properly.	H
108	Public	To see trending news in my locality about crime.{between 24 hrs}	I can be aware about latest crime news.	H
109	Police	Communicate with crime victim.	I can investigate crime efficiently.	H
110	Police	To display notice to public.	Public can aware about current crime.	H
111	Police	To see List of pending crimes.	I can take action accordingly.	M
112	Police	Update case progress.	Victim can be able to know his case status.	M
113	Commissionerate	I would be able to see the Performance of police officers.	So that it would be easy for me to make their transfers and keep a check on their work.	H
114	Commissionerate	I want to see stats of type of crime in city / Locality.	I can take further actions.	H
115	Commissionerate	Rate the police station and inspectors.	Their level of work and performance could be seen and appreciated by everyone	M
116	Commissionerate	To modify police station details.	Public can be aware about new station in locality.	M
117	Admin	Maintain crime book.	Everything remain updated and transparent.	H

Sprint 1 Plan - Backlog

Story ID	As a/an	I Want to	So that...	Estimate	Actual
100	Victim	Report .	I get justice.	2 Days	1 Days
101	Victim	See the status of investigation of crime.	I become aware and pressurize police to do their work efficiently.	3 Days	2.5 Days
104	Public	Report crime in my area.	It could be highlighted and brought to justice.	2 Days	1.5 Days
105	Public	Know the address of nearest police station.	I could go there immediately in case of any emergency.	1 Day	1 Day
106	Public	See the statistics of various crime prevailing in my city.	I could be more careful and conscious.	4 Days	3 Days
111	Police	To see List of pending crimes.	I can take action accordingly.	2 Days	2 Days
113	Commissionerate	I would be able to see the Performance of police officers.	So that it would be easy for me to make their transfers and keep a check on their work.	2 Days	2 Days
114	Commissionerate	I want to see stats of type of crime in city / Locality.	I can take further actions.	4 Days	3 Days
117	Admin	Maintain crime book.	Everything remain updated and transparent.	3 Days	3 Days

Sprint 1 Plan - Acceptance criteria and test result

Story ID	Acceptance Criteria
100	Verification of mobile number for acceptance of Report
101	Whether the crime id of report exist or not to see status
104	Valid address of area.
105	Valid address of location so that we can see the minimum distance between two police stations
106	Such type of crime must exist.
111	List of pending crime should not be empty.
113	Must be a valid authority to see police details.
114	Crime should exist in that city.
117	Must be a valid authority.

Personas

- Victim – Rajat Ranjan(14UCC030)

Ashok Kumar



"If I can inform the police about any theft as soon as possible, chances of getting it back would increase manyfold"

Age: 26

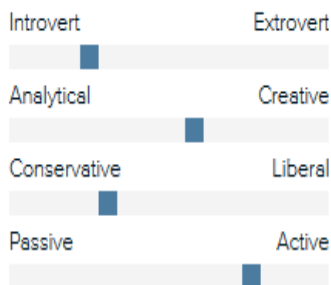
Work: Software Engineer

Family: Unmarried

Location: Jaipur, Rajasthan

Character: The Computer Geek

Personality



Disciplined

Punctual

Careful

Goals

- His car is found as soon as possible.
- Getting his complaint registered as fast as possible
- To live safely and fearlessly from thieves
- To live completely worry free and blithe.

Frustrations

- Roaming around police station countless times just to register the complaint.
- Complex process of registering the fir.
- Once the FIR get registered it could become easy to find the car.
- Registering your FIR in a speedy and hassle free manner.

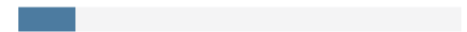
Bio

Ashok is a core software developer, a geek and a very careful and calculating person. He keeps tab of all his items and belongings and is a very secured person. But whenever there is a case involving police he finds himself stacked in plethora of problems.

He wants such a platform where contacting police can become easy and hassle free.

Motivations

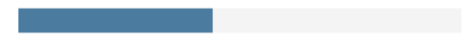
Incentive



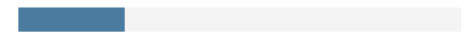
Fear



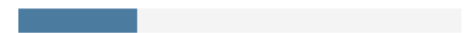
Achievement



Growth



Power



Social

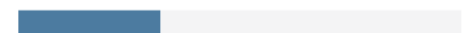


Brands



Preferred Channels

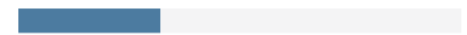
Traditional Ads



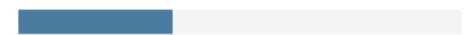
Online & Social Media



Referral



Guerrilla Efforts & PR



- Victim – Vinod Sharma (14UCC042)

Harshita Sharma



"Getting speedy and fast recovery of my stolen item"

Age: 23

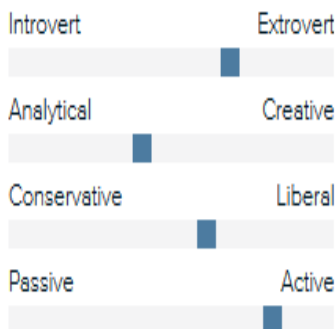
Work: Fashion Designer

Family: Unmarried

Location: Kota, Rajasthan

Character: Hard Working

Personality



Hard working

Diligent

Caring

Sociable

Goals

- To find the lost jewellery
- Able to register the complaint swiftly
- Live in a carefree environment
- Able to feel secured and fearless

Frustrations

- The jewellery is not stolen next time..
- There is no procedure of registering the FIR quickly
- If FIR registered then easy to catch the thief if jewellery has hallmark
- Availability of statistics of crime in a particular area.

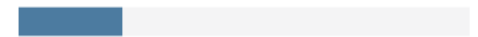
Bio

Harshita is a budding fashion designer who wants to do something new in the world of fashion. She is an enthusiast and wants to live a life of security and freedom.

To be able to contact police as fast as possible in case of any mishappenings is her main agenda.

Motivations

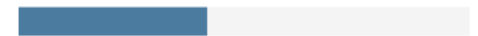
Incentive



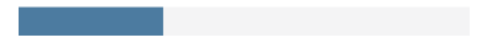
Fear



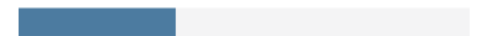
Achievement



Growth



Power



Social

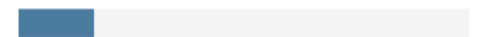


Brands



Preferred Channels

Traditional Ads



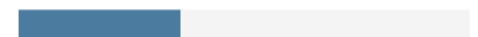
Online & Social Media



Referral



Guerrilla Efforts & PR



- Public – Aditya Sharma(14UCS007)

Ravi Ganguly



"The price of greatness is responsibility."

Age: 17 yrs

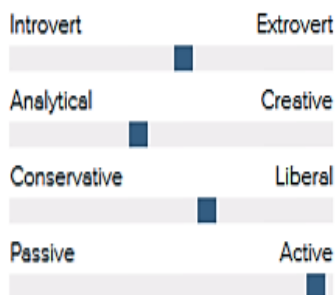
Work: Student

Family: Unmarried

Location: Delhi, India

Character: Responsible citizen

Personality



Responsible Active Aware Social

Goals

- Justice to be done to victims .
- Take Immediate actions against criminals.
- To become responsible citizen.
- Serving the society and living in crime-free society..

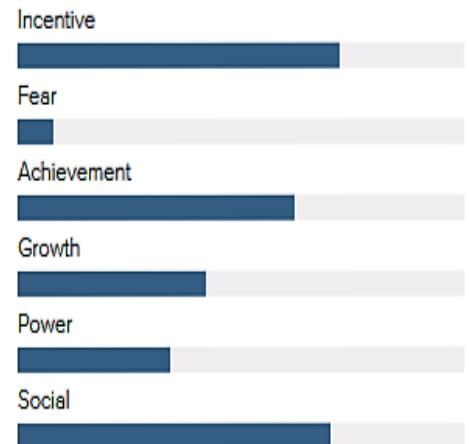
Frustrations

- Negligence to seemingly small crime problems.
- Lack of awareness in society.
- Burden of eyewitnesses to be present frequently in police stations and court.

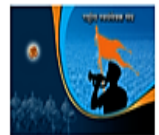
Bio

I am a student of Delhi Technical University and an active social citizen. Currently the head of Sankalp club in our college. Recently helped the police to catch the man who stole the purse of a woman , by reporting the police and helped them to find his face , home address .Love to help society to make it crime-free and create healthy environment for future generations to come.

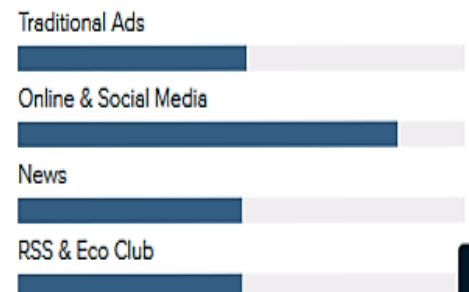
Motivations



Brands



Preferred Channels



Ramakant Krishnan



"To say you have no choice is to relieve yourself of responsibility."

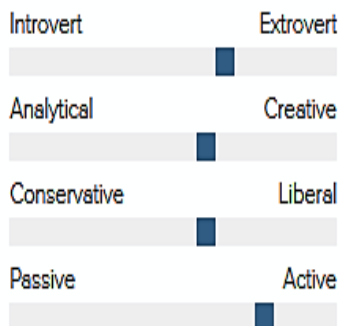
Age: 38 yrs

Work: Teacher

Family: Married, 2 kids

Location: Jaipur, Rajasthan

Personality



Responsible

Serving

Active

Goals

- To navigate crime rates in nearby locality.
- To be updated about trending crime.
- To be aware about police notifications.

Frustrations

- Unable to get authentic data about crime rates
- Doubt on police's transparency.
- Increasing crime rate in our society.

Bio

I am a government servant. Working for the welfare of common people. Started own Donation for needy people. Would be very happy if more people get aware of this site, so that there can be atleast some reduction in crime rate.

Motivations

Incentive

Fear

Achievement

Growth

Social

Brands



Speak for Change

Preferred Channels

Traditional Ads

Online & Social Media

Awareness

News

- Data Analyst – Anshul Goyal(14UCS020)

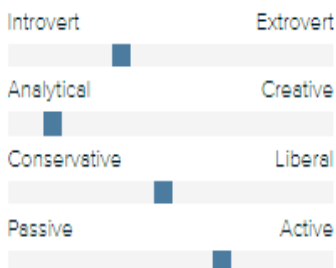
Dr. Abhay Shrivastava



"Without big data analytics, companies are blind and deaf, wandering out onto the Web like deer on a freeway"

Age: 45
Gender: Male
Work: Data Analyst
Family: Married, kids, etc.
Location: Bangalore, India

Personality



Curious

Imaginative

Explorer

Goals

- To become strategy and/or decision maker for any type of Crime.
- To analyze stats of Crime location and Crime Types.
- To analyze time taken by police to solve a particular type of crime.

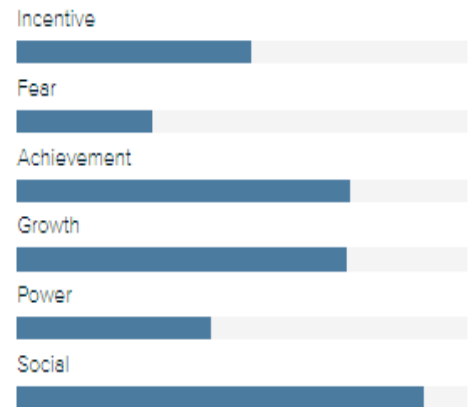
Frustrations

- Struggled with new type and sources of Data.
- Problem in putting multiple sources of Data together.
- Difficulty in interpreting and manipulating data from unorganised sources.
- Difficulty in fitting data in relational database table.

Bio

I am a senior data analyst at Logalytics. I am working in this company since July 2002. Specialist in data analytics and make strategy about any particular things. Prior to joining Logalytics, I was doing my Ph.d in data mining from Cornell University,USA.

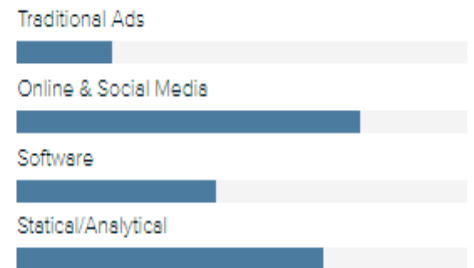
Motivations



Brands



Preferred Channels



- Media Person – CHHATRAPATI JAIN(14UCS033)

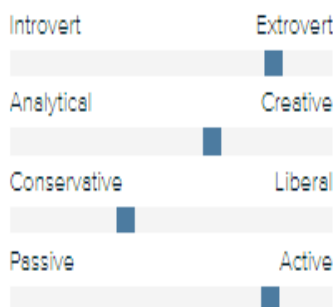
Dr. Kumar Vishwas



"Even with all the negativeness of the whole social media thing, I still think it's leaps and bounds more positive" <http://www.bhaskar.com/article/keyword-media.html>

Age: 34
Gender : Male
Work: Sr.Journalist
Family: Married, kids, etc.
Location: Delhi, India

Personality



Punctuality

Storyteller

Blogger and Curator

Goals.

- To catch public sincere attention towards a particular crime by airing it socially.
- To be updated about trending crimes.
- To create pressure on police through my networking on those crime in which police does not pay attention.

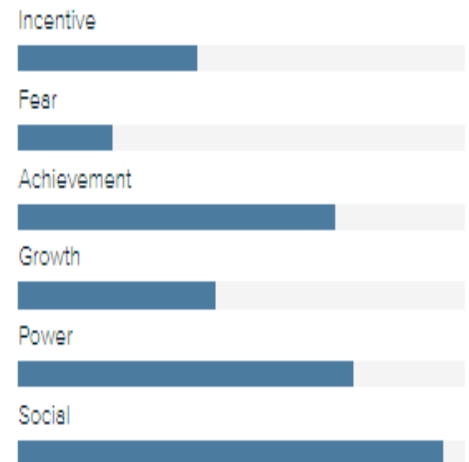
Frustrations

- Not able to penetrate high profile cases.
- Not enough networking.
- Not able to get authentic and relevant data.
- Police does not pay heed to problems of journalist.

Bio

I am a senior journalist and head of business at Zee News Multimedia pvt. Ltd comes from Indian Institute of Mass Communication, New Delhi. Programme aired on TV on Monday to Friday at 9:00PM . I also performs the role of journalists in Daily News and Analysis TV Programms.

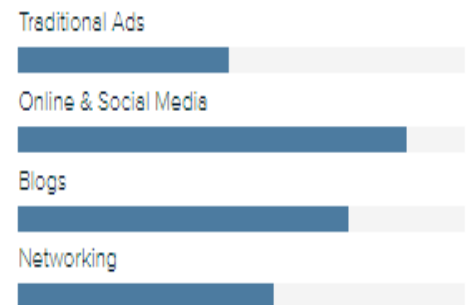
Motivations



Brands

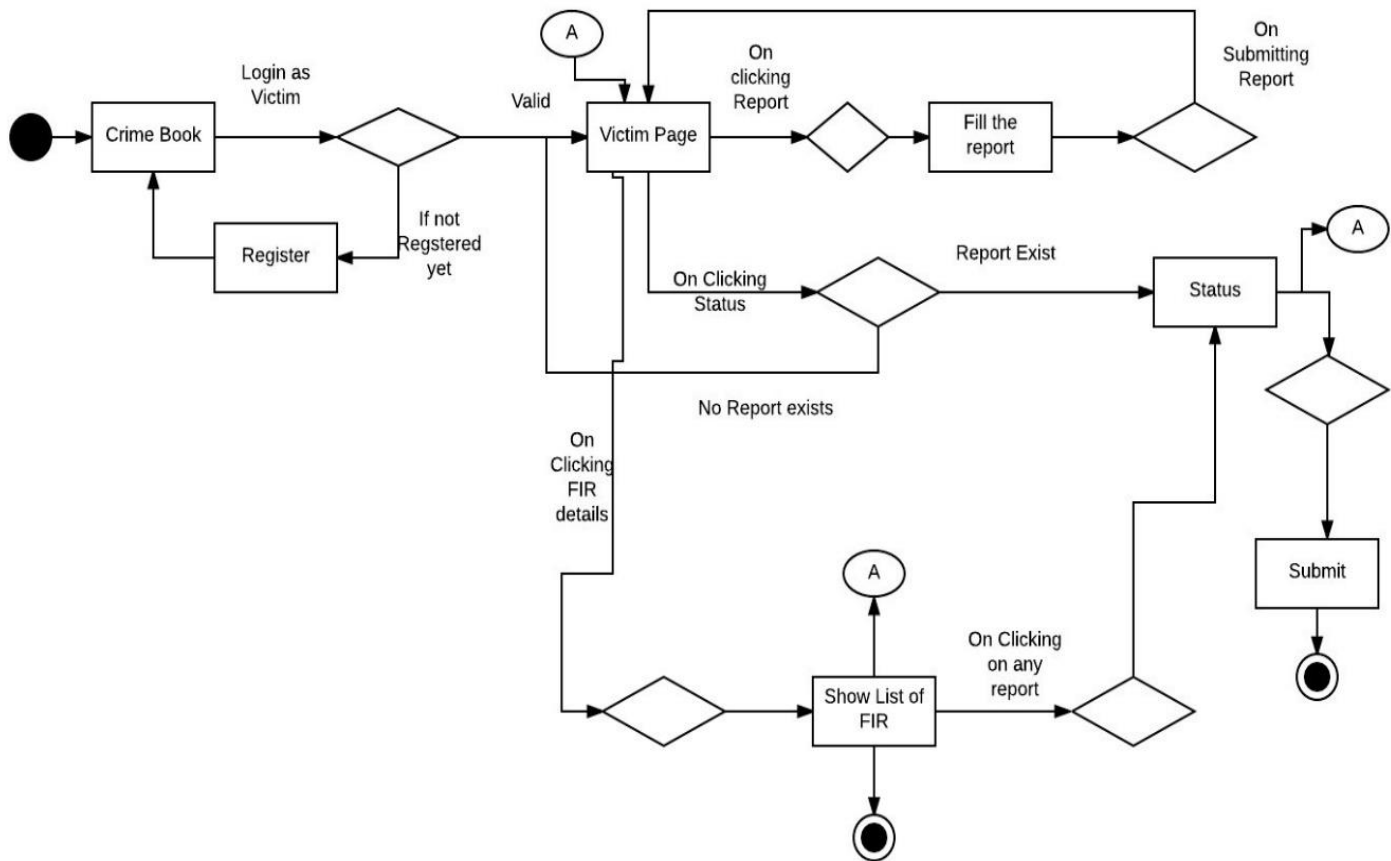


Preferred Channels

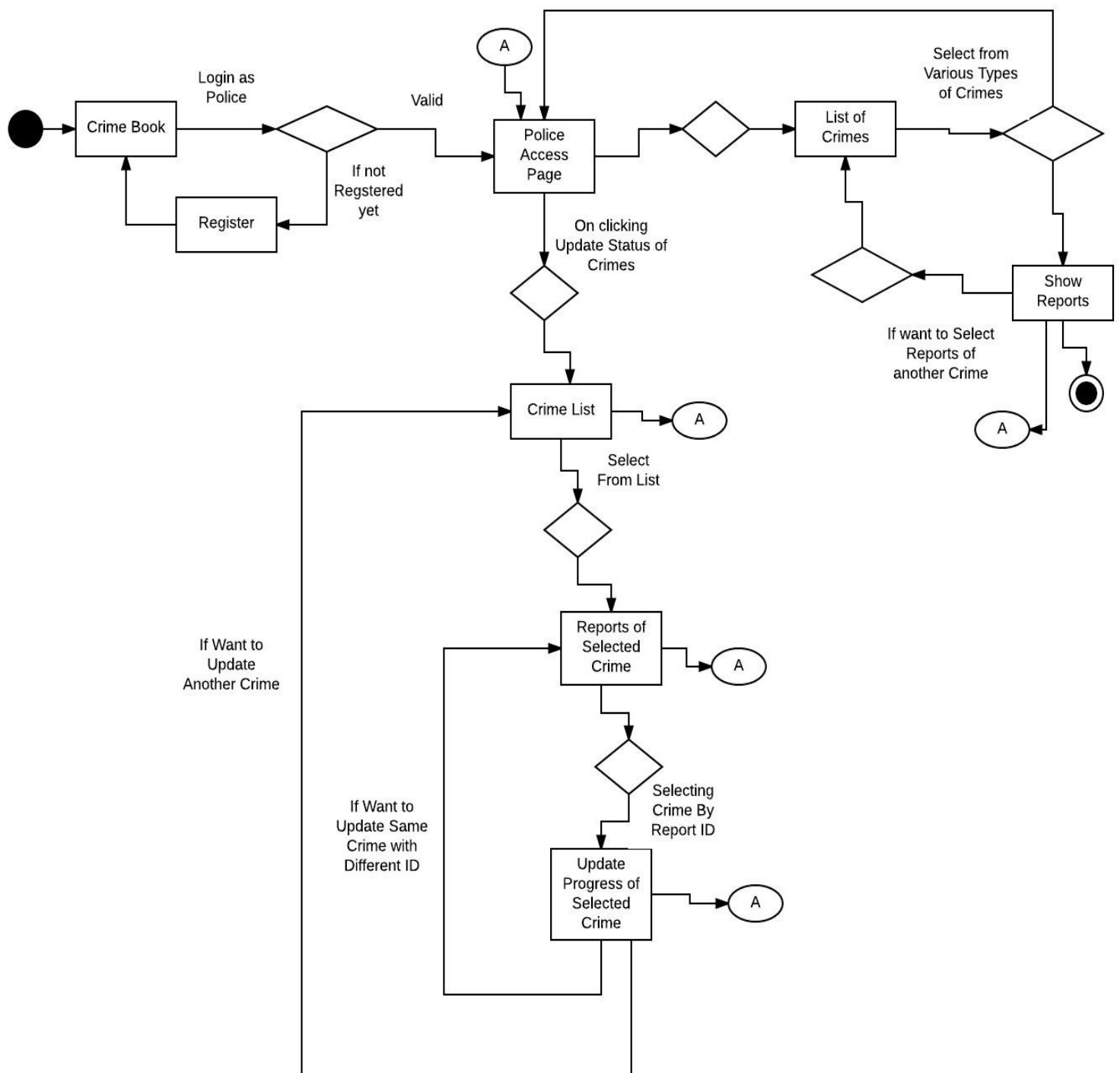


Activity diagrams

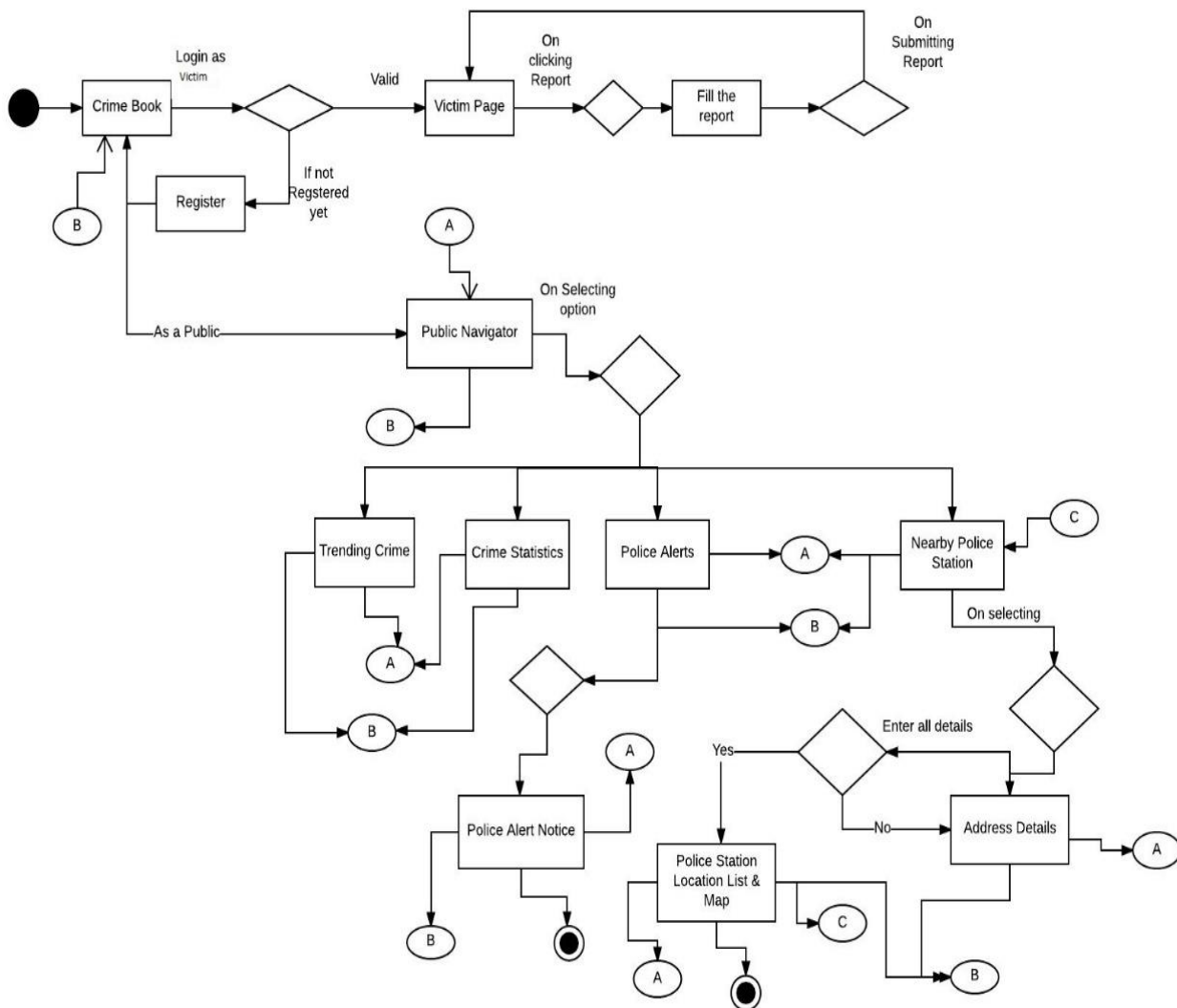
- Victim – Anshul Goyal(14ucs020)



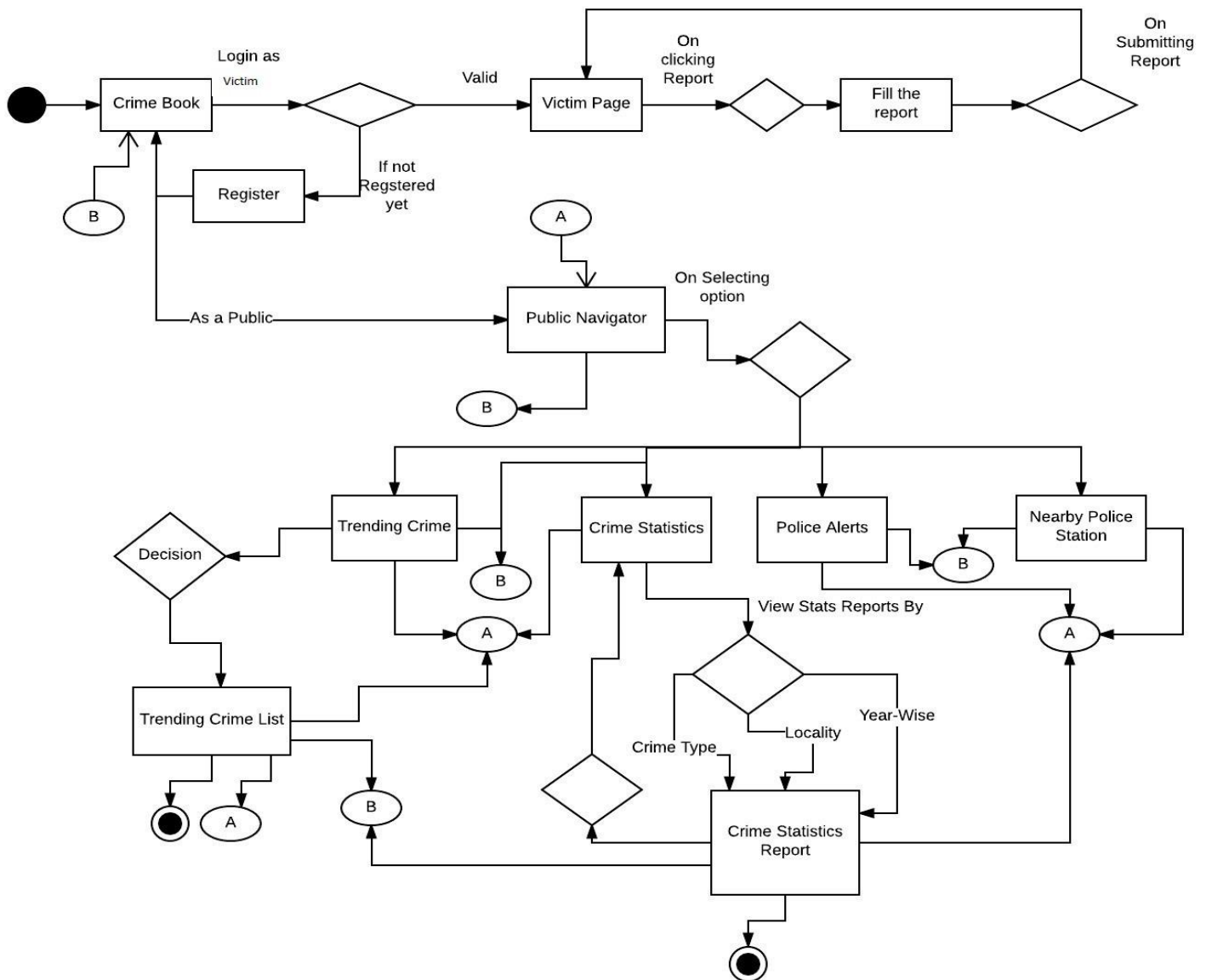
- Police – Aditya Sharma(14ucs007)



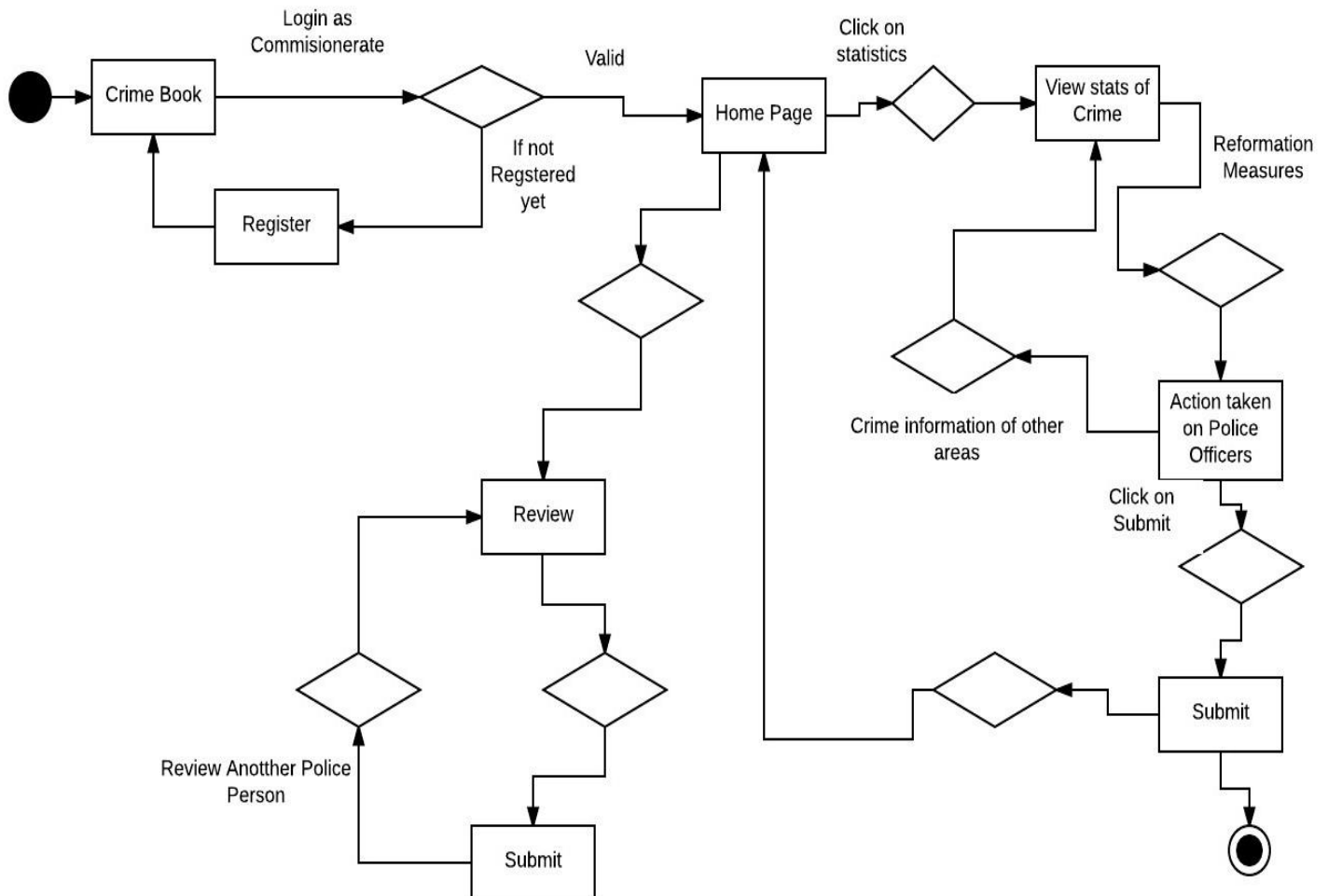
- Public – Harshit Jain (14ucs047)



- Public – CHHATRAPATI JAIN(14UCS033)

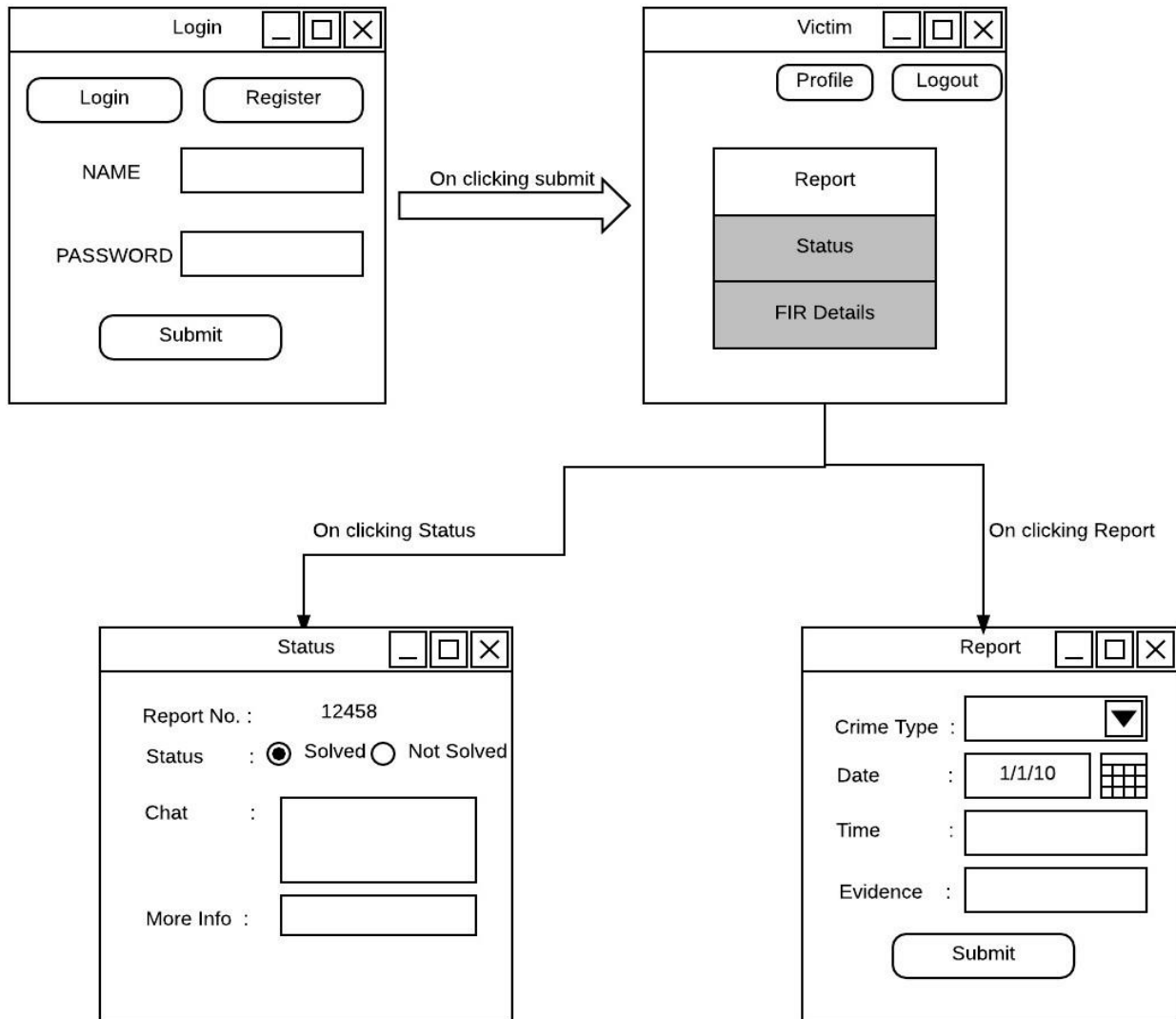


- Commissionerate – Rajat Ranjan(14ucc030)

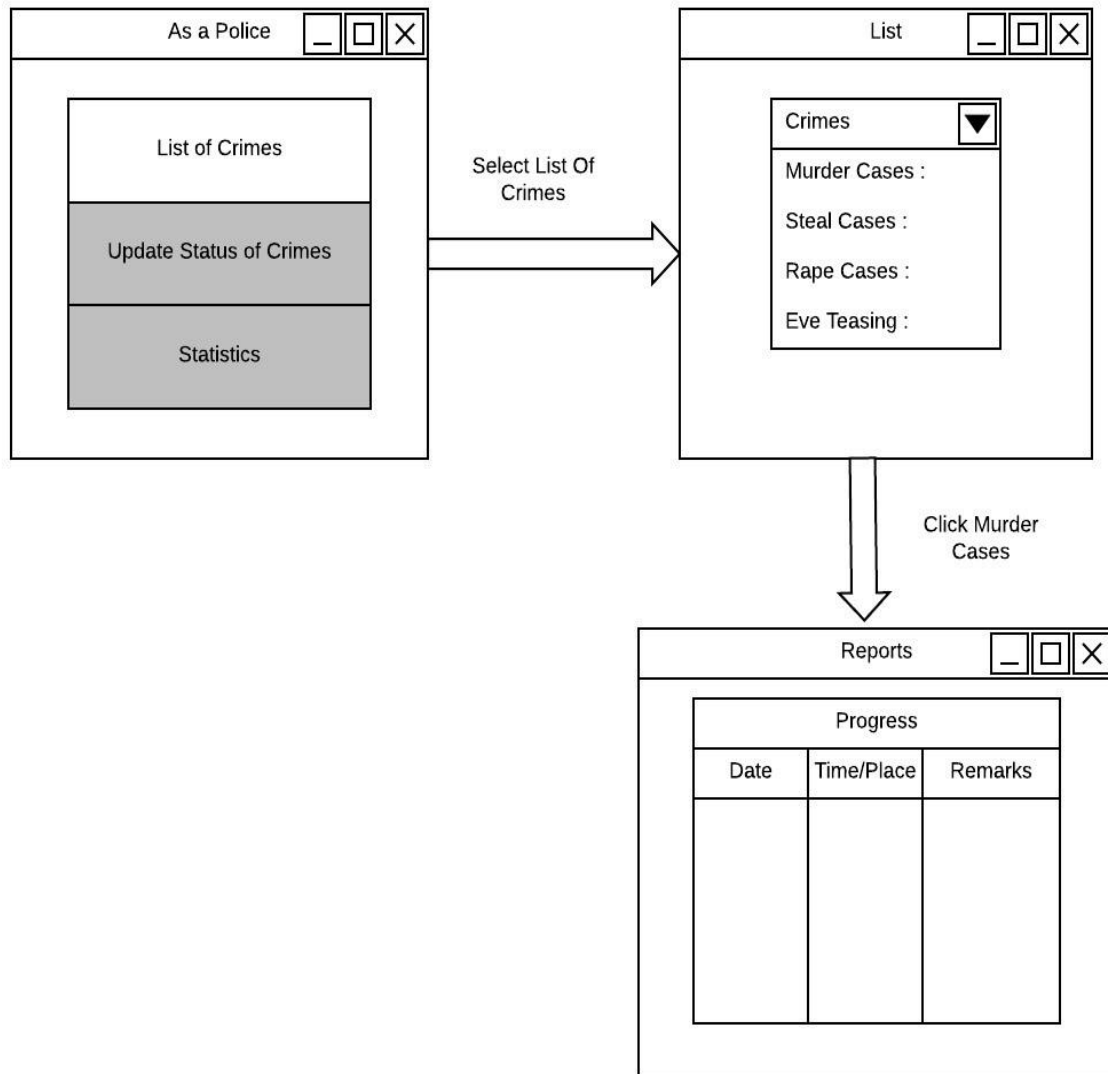


UI/UX Designs (Wireframes)

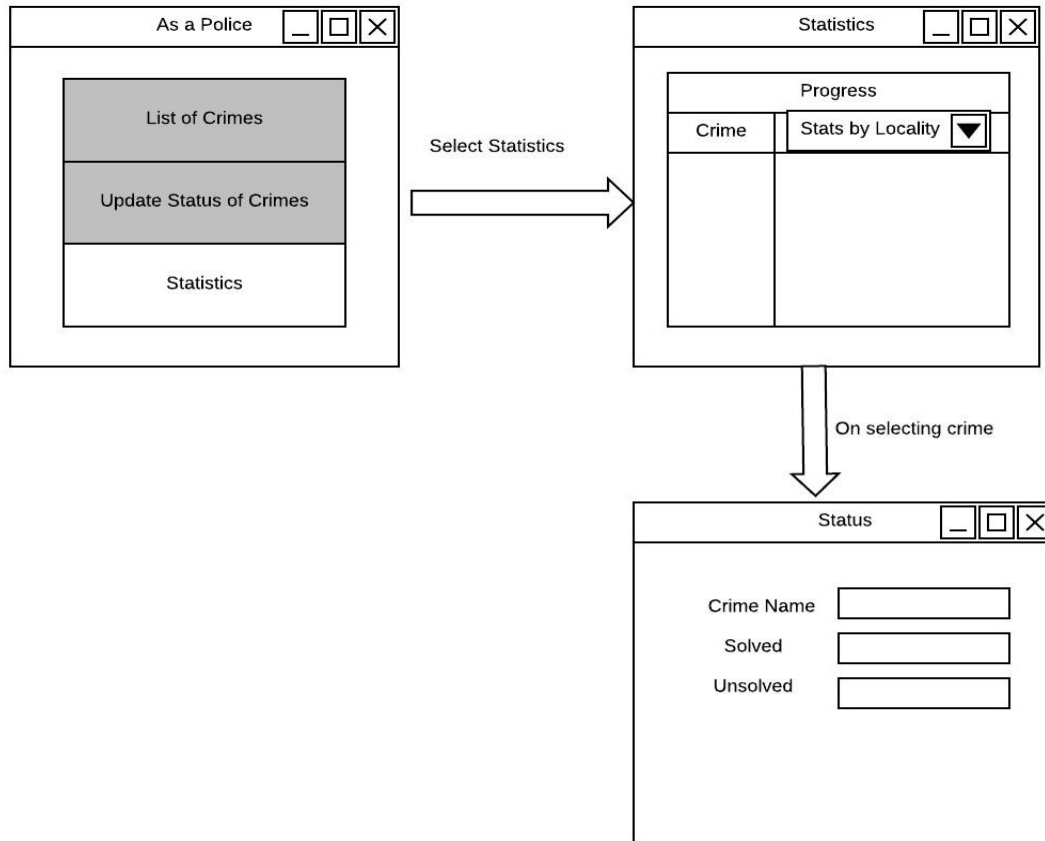
- Victim – Anshul Goyal(14ucs020)



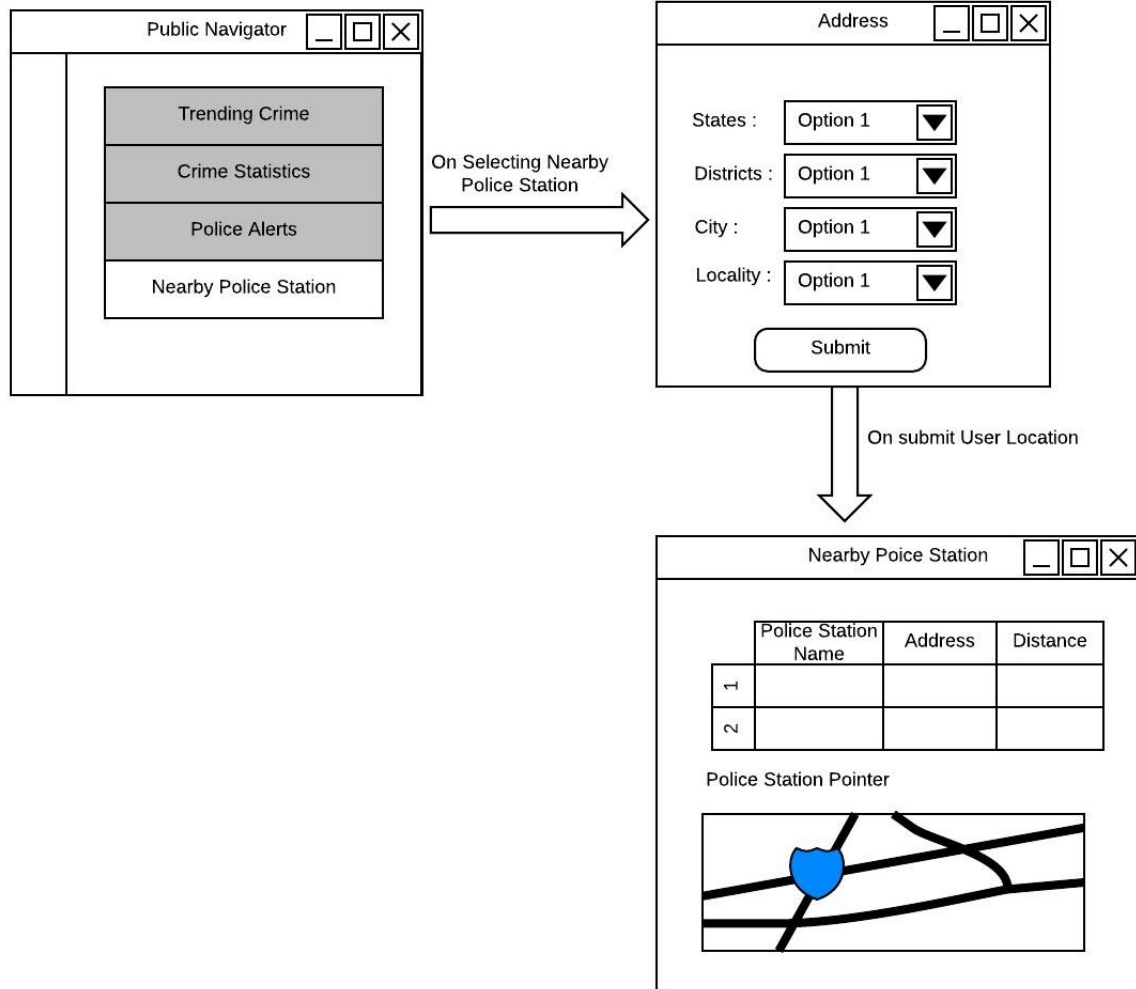
- Police – Aditya Sharma(14ucs007)



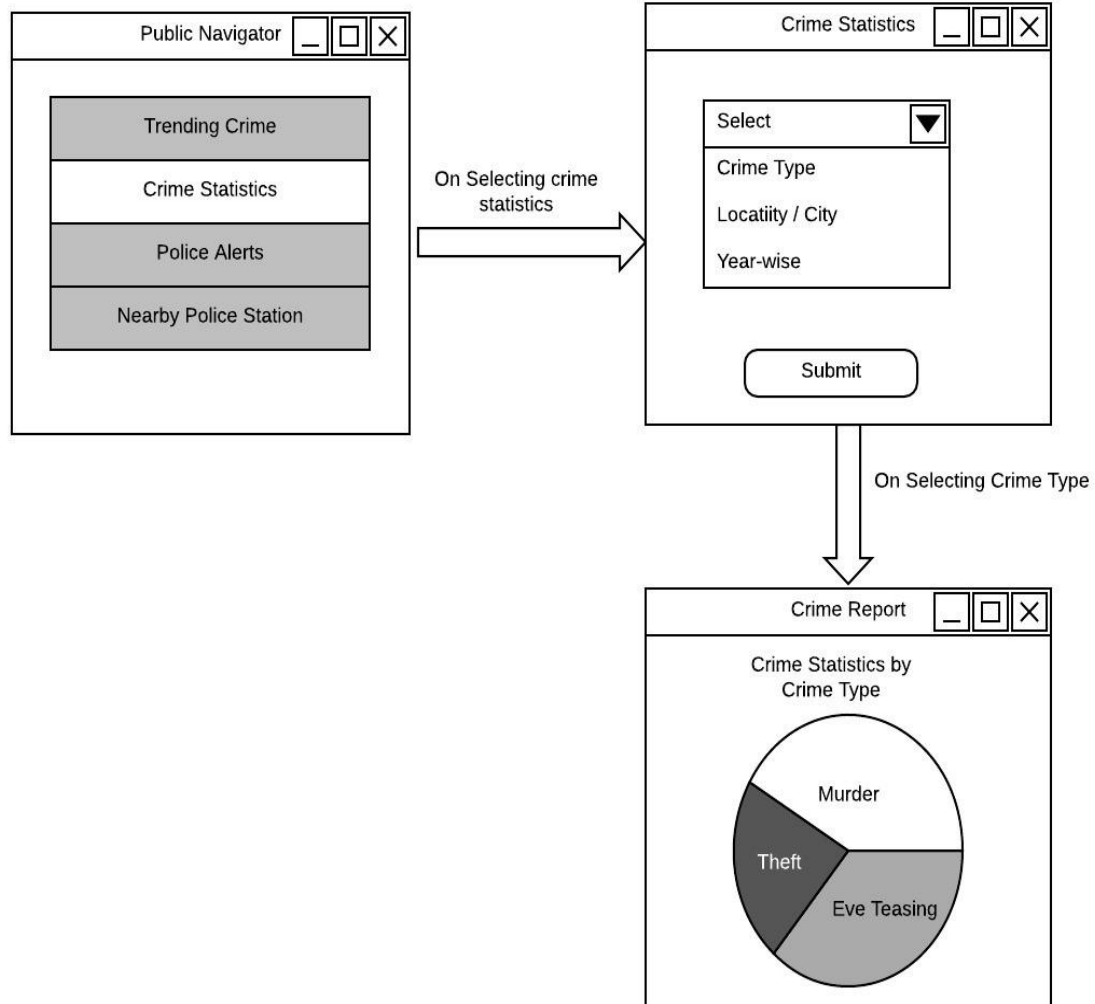
- Police – Vinod Sharma(14ucc042)



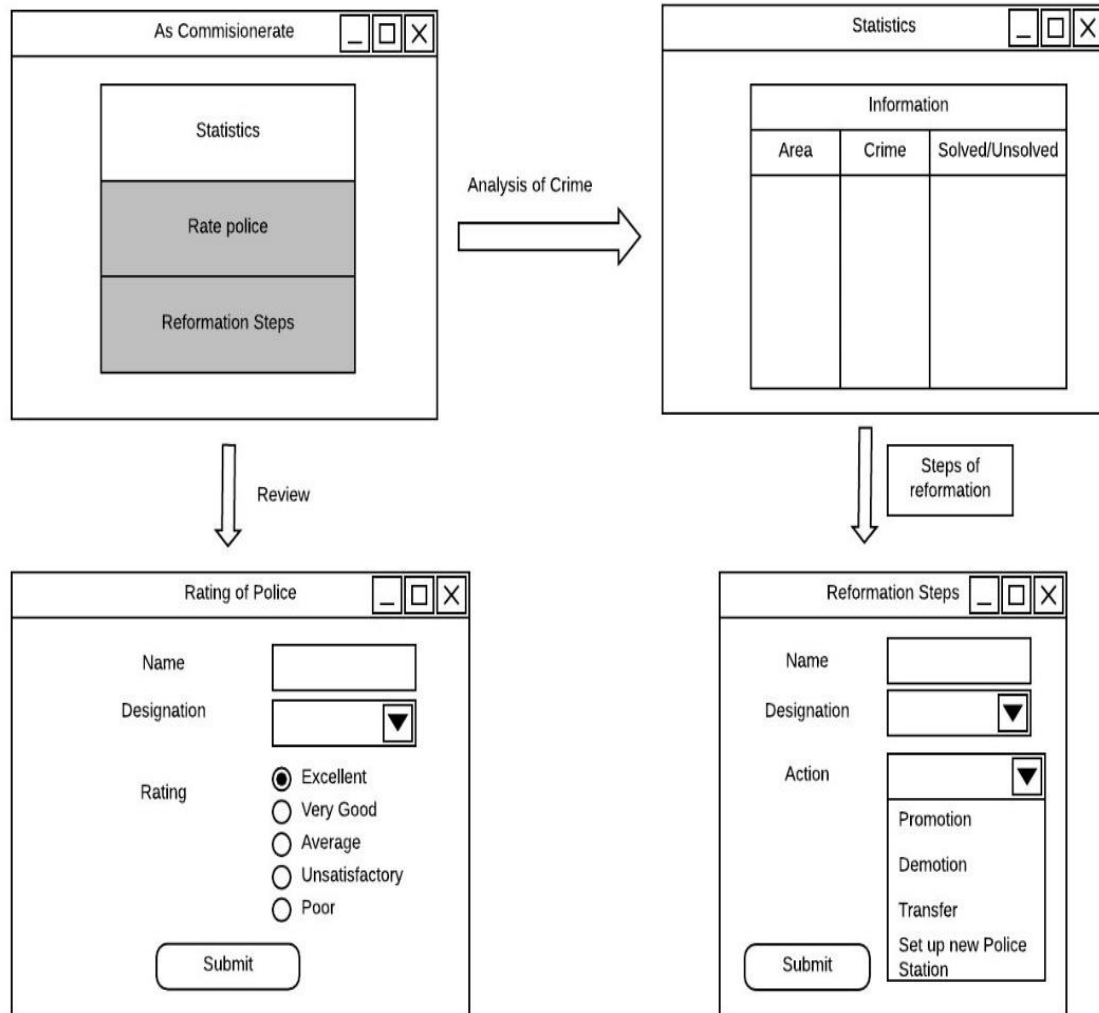
- Public – Harshit Jain (14ucs047)



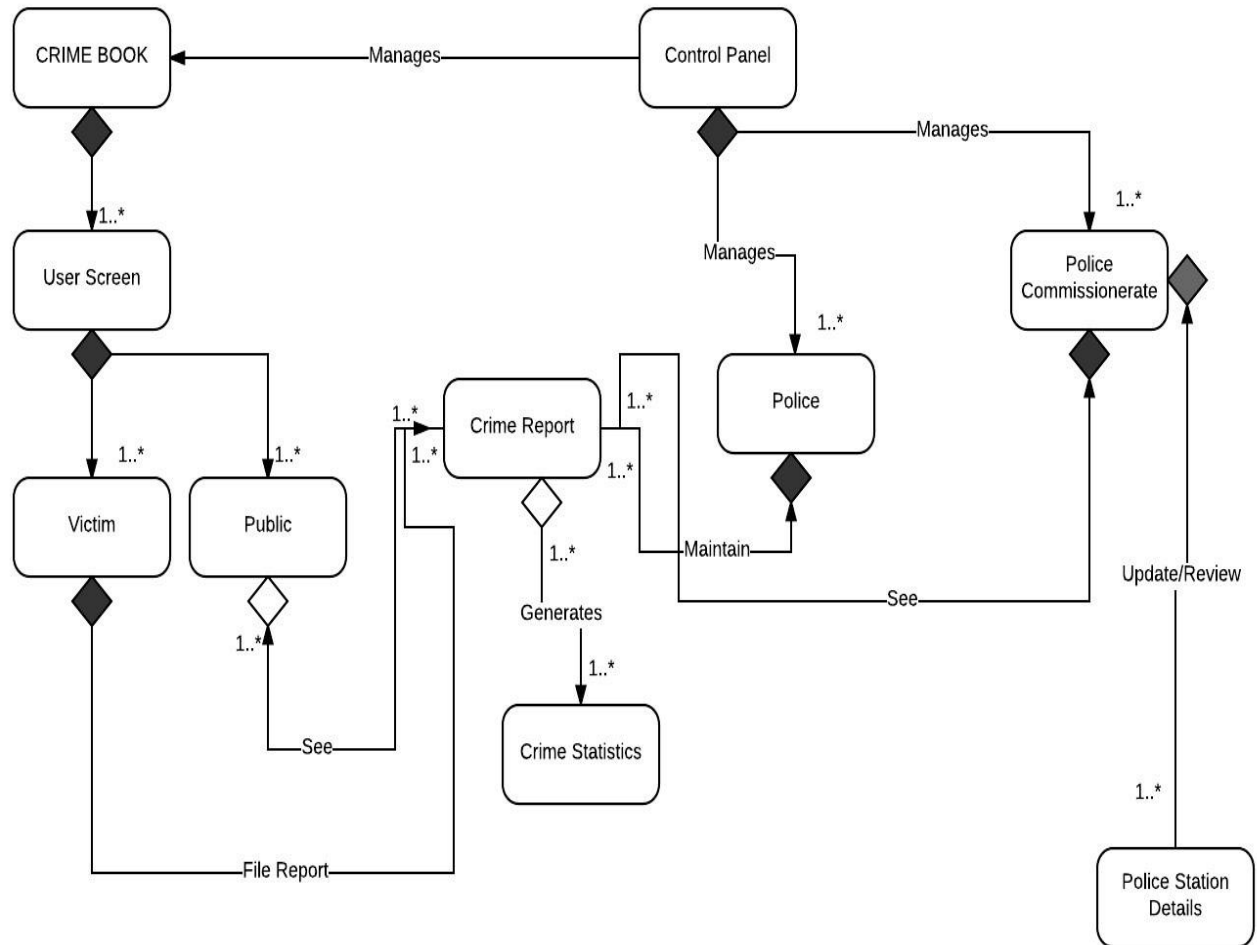
- Public – CHHATRAPATI JAIN(14UCS033)



- Commissionerate – Rajat Ranjan(14ucc030)



Class diagram



Scrum Minutes of the Meeting (Two entries per week for each team member)

Sprint 1 – Week 1

Team member	Work completed	Work planned	Impediments
Anshul Goyal (14ucs020)	Persona (Data Analyst) , User Stories (Public)	Persona , User Story	Did not know the complete functioning {user stories} of public.
Aditya Sharma (14ucs007)	Persona (Public) , User Stories (Public)	Persona , User Story	Had problems in writing the person due to inadequate knowledge.
Chattrapati Jain (14ucs033)	Persona (Media Person) , User Stories (Police)	Persona , User Story	Did not know the complete functioning {user stories} of police.
Rajat Ranjan (14ucc030)	Persona (Victim) , User Stories (Victim)	Persona , User Story	Difficulty in choosing the type of victim reports that can be put.
Harshit Jain (14ucs047)	Persona (Public) , User Stories (Police)	Persona , User Story	Faced problem in designing goals in persona.
Vinod Kumar Sharma (14ucc042)	Persona (Victim) , User Stories (Victim)	Persona , User Story	Difficulty in designing victim user stories

Sprint 1 – Week 2

Team member	Work completed	Work planned	Impediments
Anshul Goyal (14ucs020)	UI / UX Wireframe (Victim) , Product Backlog (Victim)	UI / UX Wireframe , Product Backlog	Some difficulty in using Lucid Chart.
Aditya Sharma (14ucs007)	UI / UX Wireframe (Police) , Product Backlog (Police)	UI / UX Wireframe, Product Backlog	Problem in thinking and designing wireframe for first time
Chattrapati Jain (14ucs033)	UI / UX Wireframe (Public) , Product Backlog (Public)	UI / UX Wireframe, Product Backlog	Problem in implementing product backlog.
Rajat Ranjan (14ucc030)	UI / UX Wireframe (Commissionerate) , User Stories (Commissionerate)	UI / UX Wireframe, User Stories	Difficulty in judging the functioning of Commissionerate.
Harshit Jain (14ucs047)	UI / UX Wireframe (Public) , Product Backlog (Commissionerate)	UI / UX Wireframe, Product Backlog	Faced problem in selecting priority of user stories & apt selection of subheadings.
Vinod Kumar Sharma (14ucc042)	UI / UX Wireframe (Police) , User Stories (Commissionerate)	UI / UX Wireframe, User Stories	Difficulty in designing the wireframes.

Sprint 1 – Week 3

Team member	Work completed	Work planned	Impediments
Anshul Goyal (14ucs020)	Activity Diagram (Victim) , Sprint Backlog (Victim)	Activity Diagram , Sprint Backlog	Difficulty in designing the flow of victim activity.
Aditya Sharma (14ucs007)	Activity Diagram (Police) , Sprint Backlog (Police)	Activity Diagram , Sprint Backlog	Did not know the full activity of Police.
Chattrapati Jain (14ucs033)	Activity Diagram (Public) , Sprint Backlog (Public)	Activity Diagram , Sprint Backlog	Was not able to differentiate between product backlog and sprint backlog.
Rajat Ranjan (14ucc030)	Activity Diagram (Commissionerate) , Sprint Backlog (Commissionerate)	Activity Diagram , Sprint Backlog	Difficulty in choosing how much control Commissionerate has over implementing different activities.
Harshit Jain (14ucs047)	Activity Diagram (Public) , Sprint Backlog (Commissionerate)	Activity Diagram , Sprint Backlog	Faced difficulty in structuring the activity diagram.
Vinod Kumar Sharma (14ucc042)	Activity Diagram (Police) , Sprint Backlog (Commissionerate)	Activity Diagram , Sprint Backlog	Difficulty in making activity diagram with help of lucid chart

Sprint 1 – Week 4

Team member	Work completed	Work planned	Impediments
Anshul Goyal (14ucs020)	Class Diagram , Remaining Task	Class Diagram	Difficulty in choosing appropriate class
Aditya Sharma (14ucs007)	Class Diagram, Remaining Task	Class Diagram	Difficulty in assigning action between different classes.
Chattrapati Jain (14ucs033)	Class Diagram, Remaining Task	Class Diagram	Some problem in designing class diagram in lucid chart.
Rajat Ranjan (14ucc030)	Class Diagram, Remaining Task	Class Diagram	Faced problem in assigning hierarchy of classes
Harshit Jain (14ucs047)	Class Diagram, Remaining Task	Class Diagram	Faced difficulty in linking classes.
.Vinod Kumar Sharma (14ucc042)	Class Diagram, Remaining Task	Class Diagram	Problem in assigning cardinality to different classes

Sprint 1 Summary

< <https://www.youtube.com/watch?v=hRoWt9b7slg> >

Review Summary

1	We were able to complete user stories and persona in first week. Faced difficulties due to newness of doing project for first time, mainly in distributing the individual tasks. Learnt to work in team.
2	We completed UI/UX wireframe, product backlog and some remaining user stories. Had difficulty for selection of apt subheadings for UI/UX wireframes. Learnt designing of subheadings and their flow.
3	We were able to complete activity diagrams, sprint backlog and class diagrams. Faced difficulty in thinking appropriate classes

Retrospective Summary

1	We able to sort out most of the problems and had -&- have big hopes for our projects.
2	Had fun making UI/UX wireframes and knew their effectiveness in project.
3	We finally started getting, where the different pieces of puzzle had to be put in, what were missing and the correct places of most of the pieces.