UML DIAGRAMS

Arya Sasi

RMCA 2020
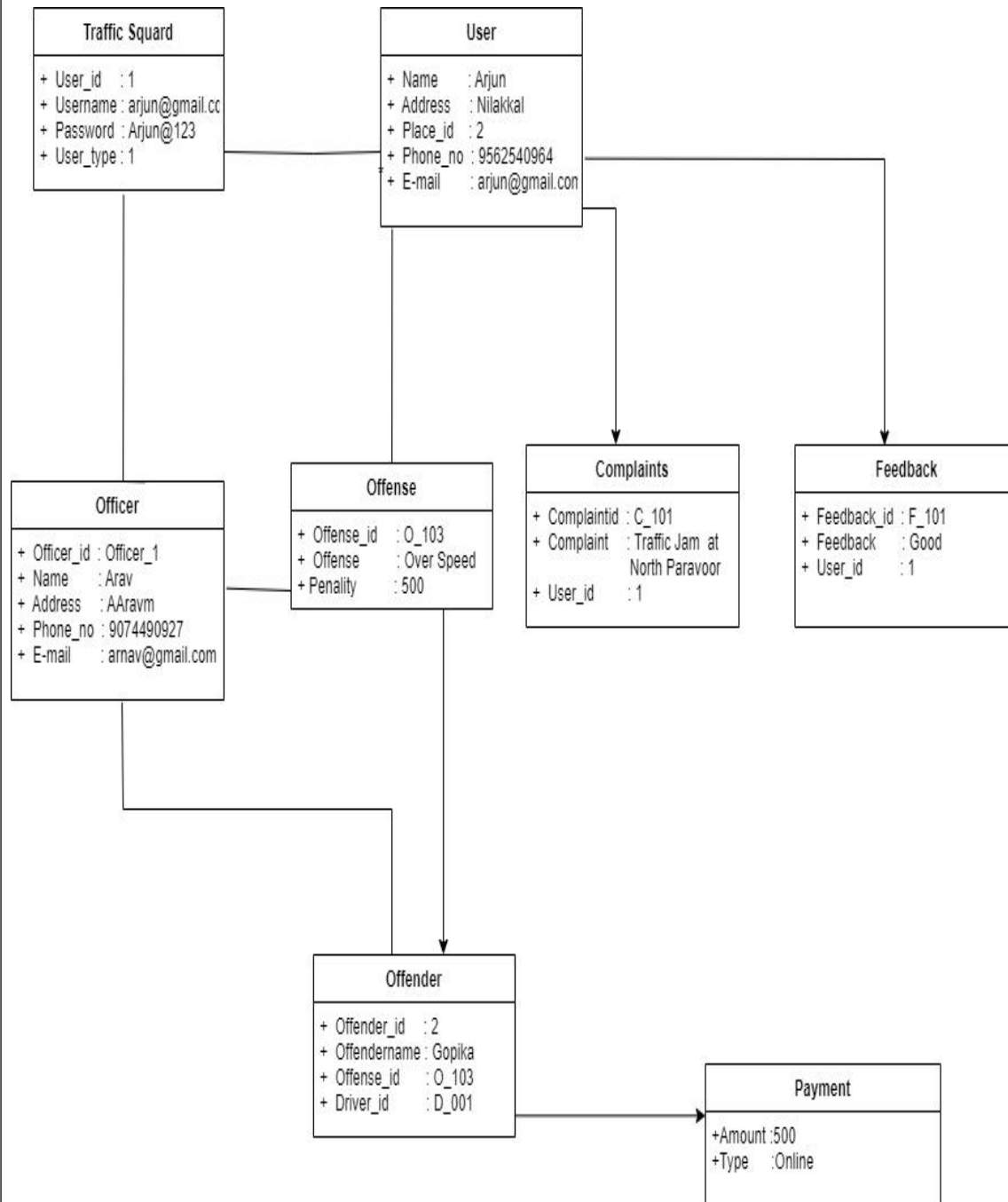
A Batch

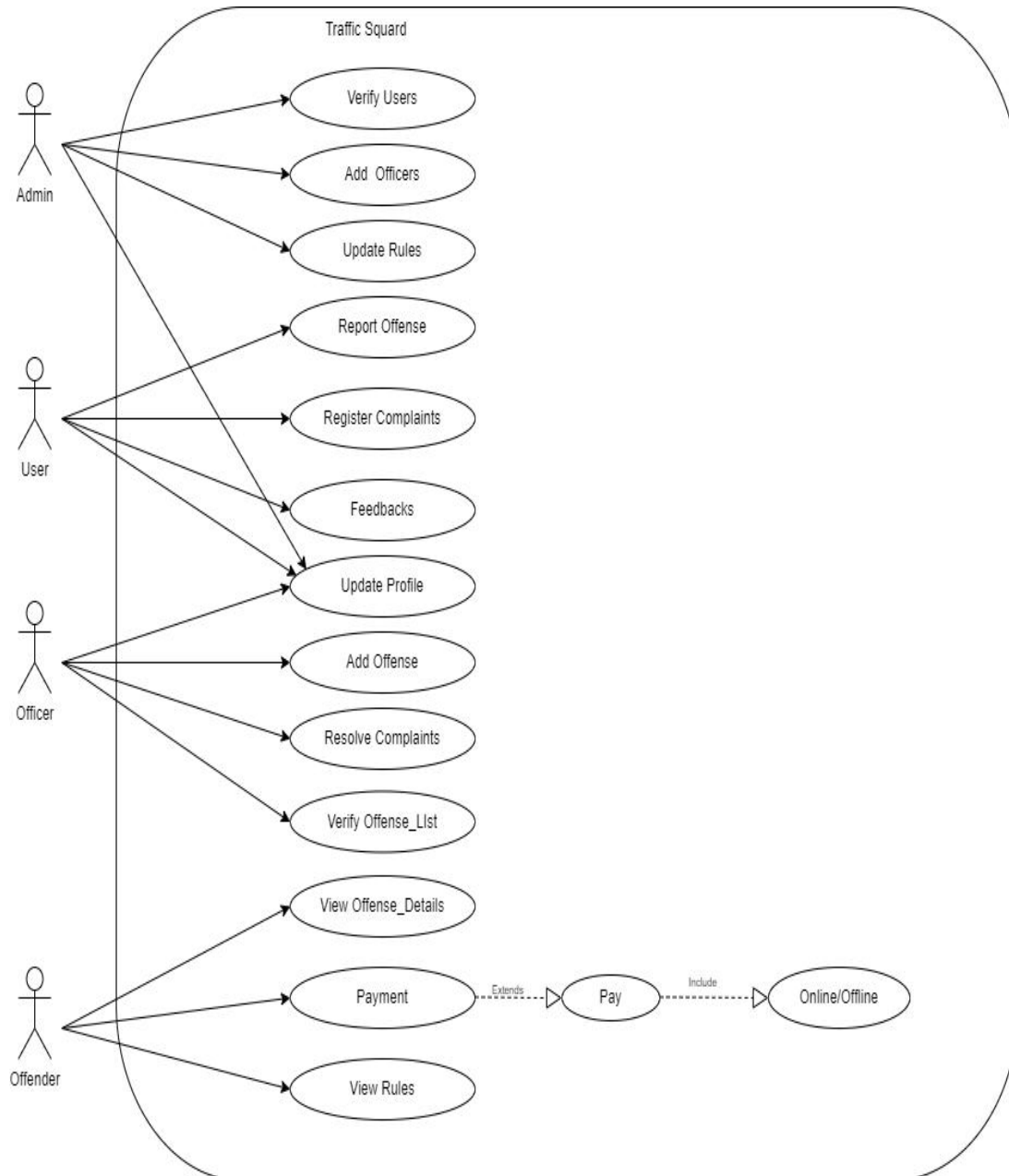Roll No:25

Class Diagram

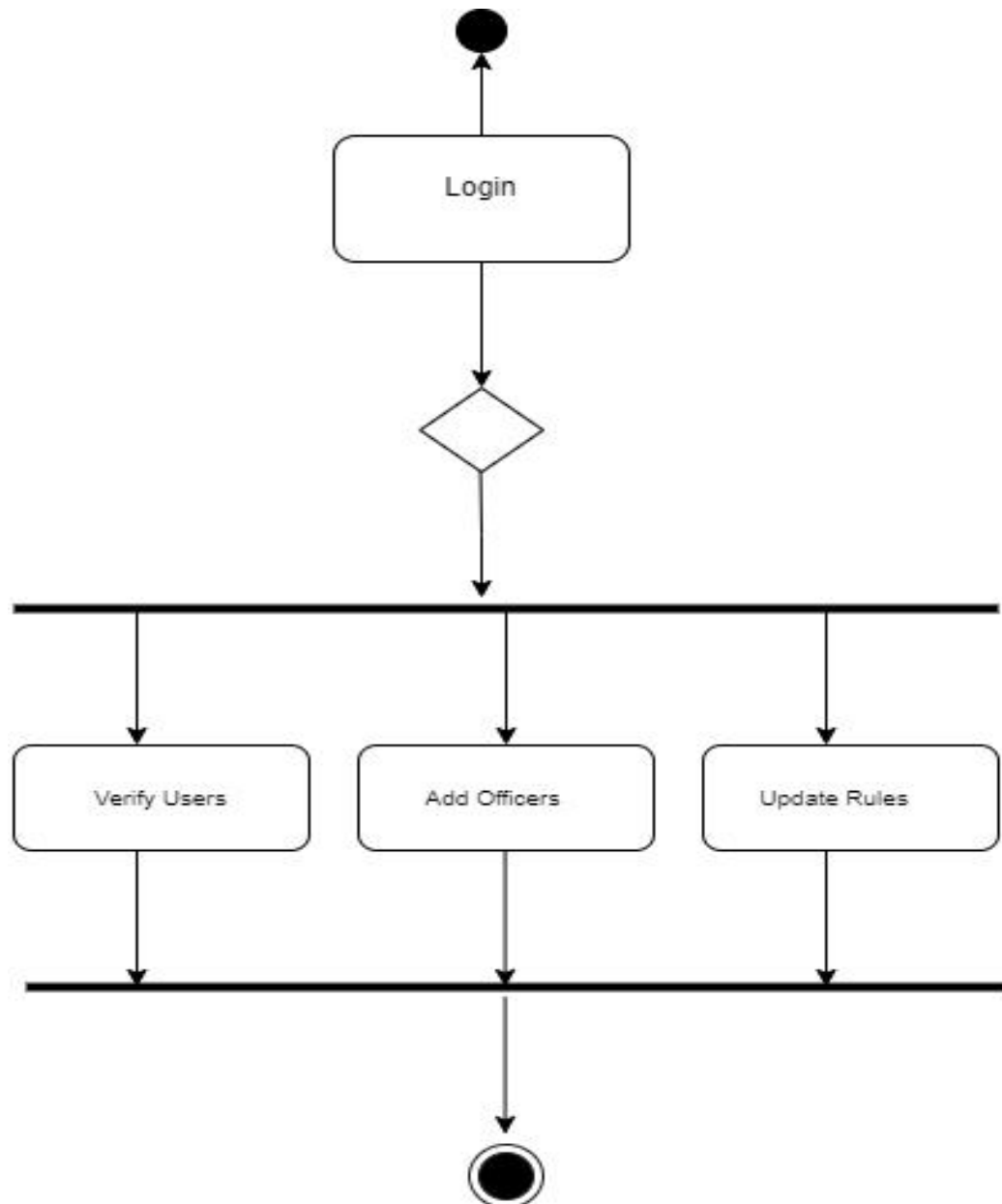**Traffic Squard**

+ User_id   : int
+ Username : String
+ Password : String
+ User_type : String
+ Register()
+ Login()
+ Logout()

User

+ Name   : String
+ Address   : String
+ Phone_no : int(10)
+ E-mail   : String
+ Edit Profile()
+ ReportOffense()
+ RegisterComplaint()

Officer

+ Officer_id : int
+ Name   : String
+ Address   : String
+ Phone_no : int(10)
+ E-mail   : String
+ Edit Profile()
+ View_ReportOffense()
+ Verify_Offenselist()
+ View_RegisterComplaint()

Offense

+ Offense_id   : int
+ Offense   : String
+ Penality   : int
+ Update()
+ Add()
+ Delete()

Complaints

+ Complaintid : int
+ Complaint   : String
+ User_id   :int
+ Update()
+ View_ComplaintStatus()
+ Delete()

Feedback

+ Feedback_id : int
+ Feedback   : String
+ User_id   : String
+ Update()
+ Delete()

Offender

+ Offender_id   : int
+ Offendername : String
+ Offense_id   : int
+ Driver_id   : int
+ Update()
+ View_ComplaintStatus()
+ Delete()
+ pay()

Payment

+Amount :int
+ Pay()

Object Diagram

Traffic Squard

+ User_id : 1
+ Username : arjun@gmail.cc
+ Password : Arjun@123
+ User_type : 1

User

+ Name   : Arjun
+ Address   : Nilakkal
+ Place_id : 2
+ Phone_no : 9562540964
+ E-mail   : arjun@gmail.con

Officer

+ Officer_id : Officer_1
+ Name   : Arav
+ Address   : AAravm
+ Phone_no : 9074490927
+ E-mail   : arnav@gmail.com

Offense

+ Offense_id : O_103
+ Offense   : Over Speed
+ Penality   : 500

Complaints

+ Complaintid : C_101
+ Complaint   : Traffic Jam at
              North Paravoor
+ User_id   : 1

Feedback

+ Feedback_id : F_101
+ Feedback   : Good
+ User_id   : 1

Offender

+ Offender_id : 2
+ Offendername : Gopika
+ Offense_id   : O_103
+ Driver_id   : D_001

Payment

+Amount :500
+Type   :Online

Use-Case Diagram

Traffic Squard

Admin
- Verify Users
- Add Officers
- Update Rules

User
- Report Offense
- Register Complaints
- Feedbacks
- Update Profile

Officer
- Update Profile
- Add Offense
- Resolve Complaints
- Verify Offense_LIst

Offender
- View Offense_Details
- Payment
- View Rules

Payment ---Extends---> Pay ---Include---> Online/Offline

Activity Diagram

ADMIN

USER

OFFICER

OFFENDER

Login
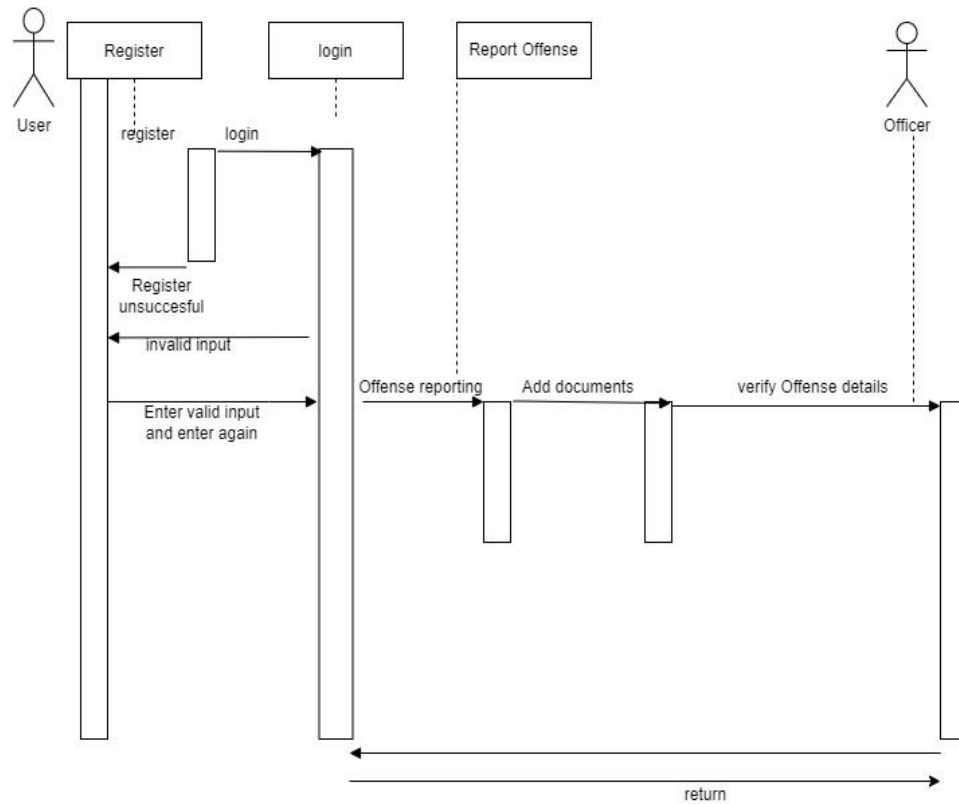
Invalid

View Offense

View Rules

Payment

Online

Offline
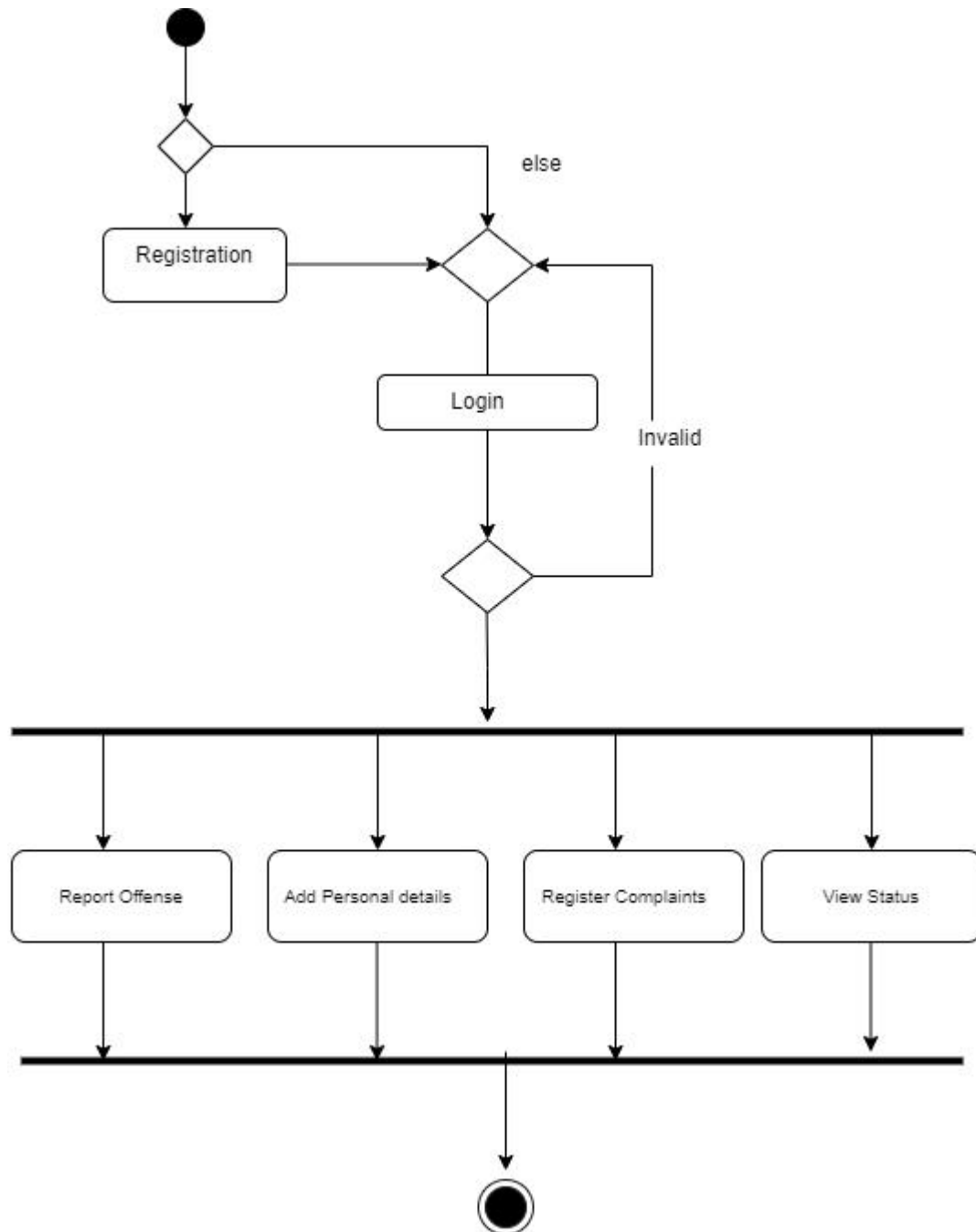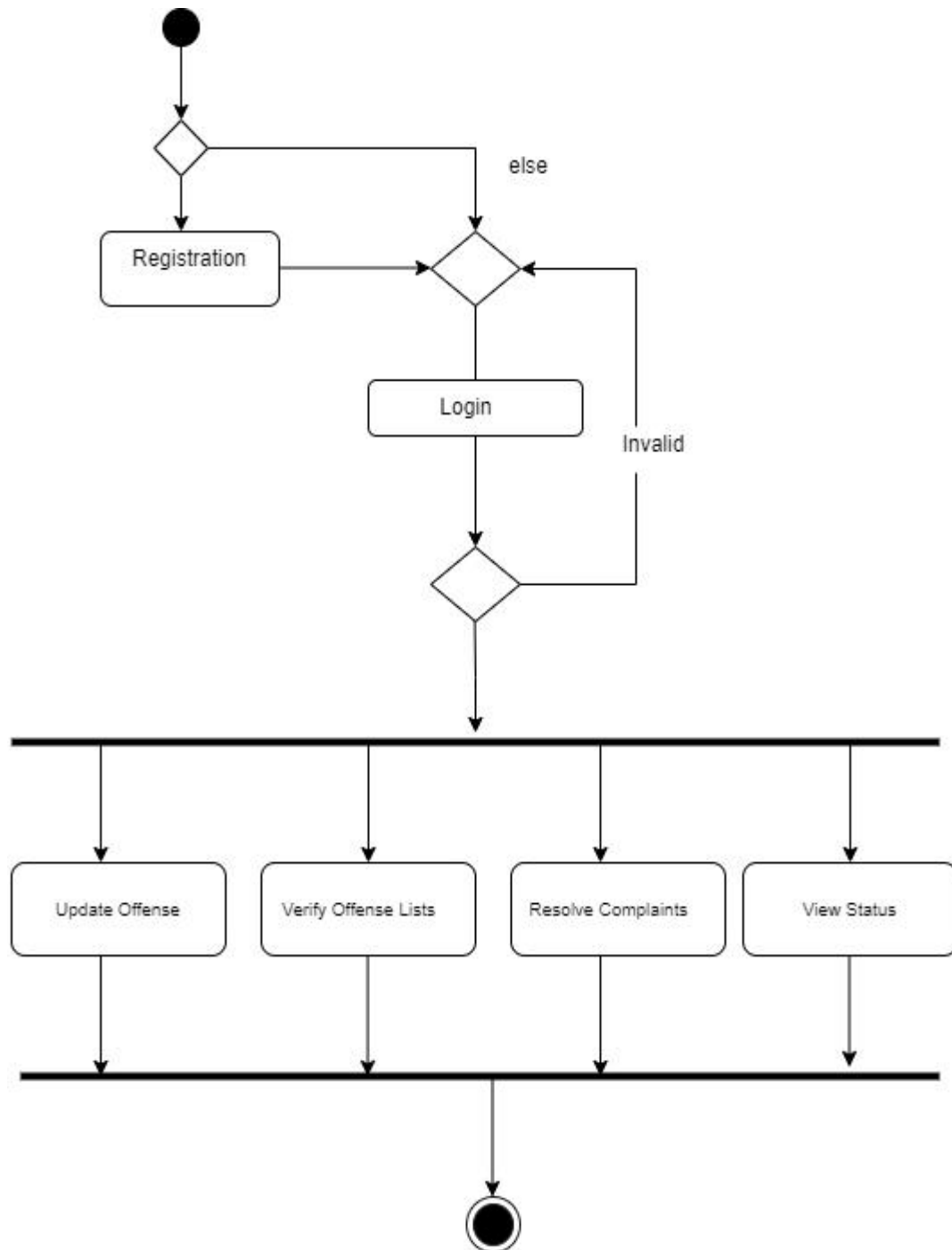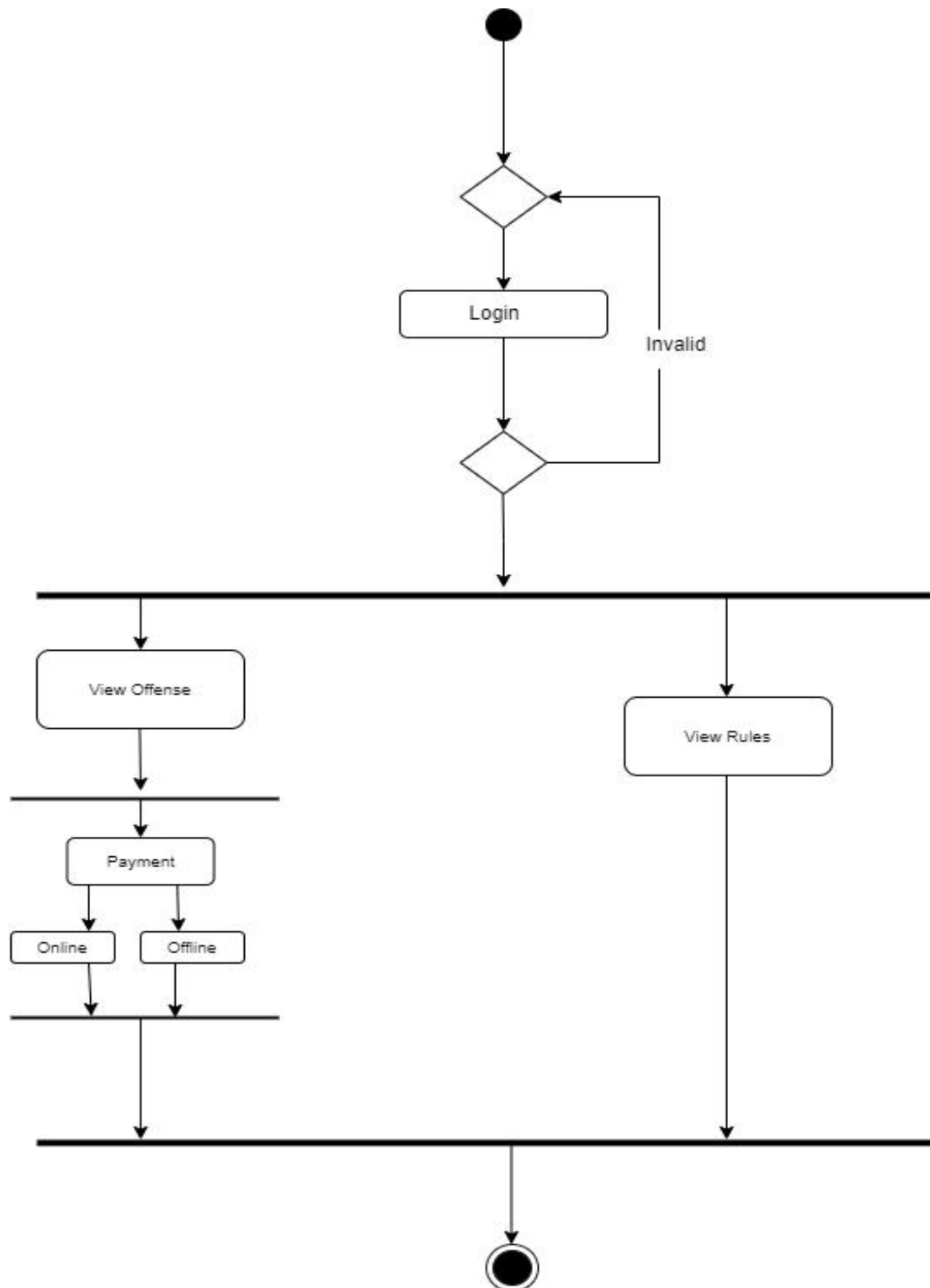
State Diagram
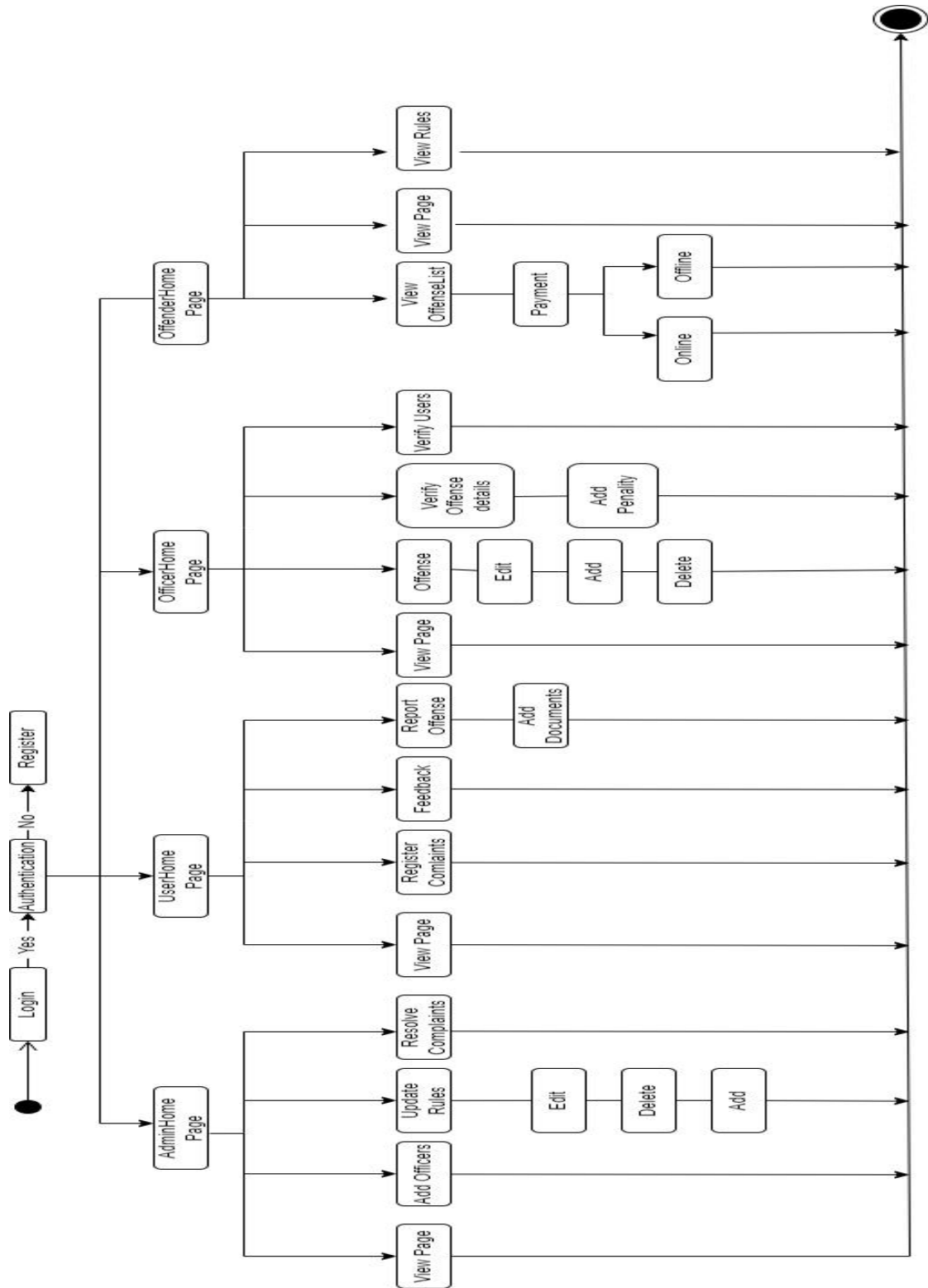
Component Diagram
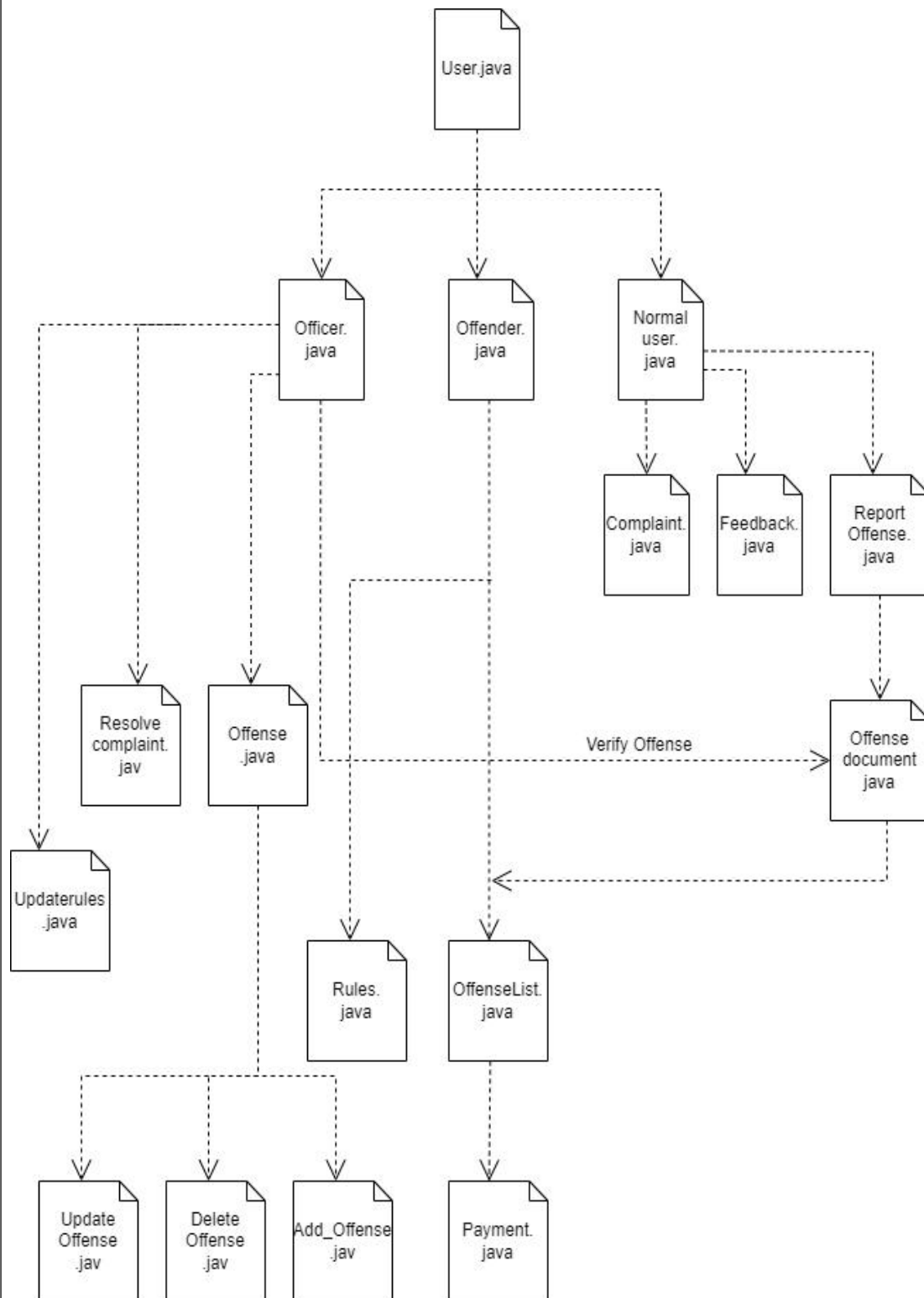
Sequence Diagram

Deployment Diagram