Class Diagram

A1_Group_2

<u>secureHer</u>

Members:

2005009

2005010

2005011

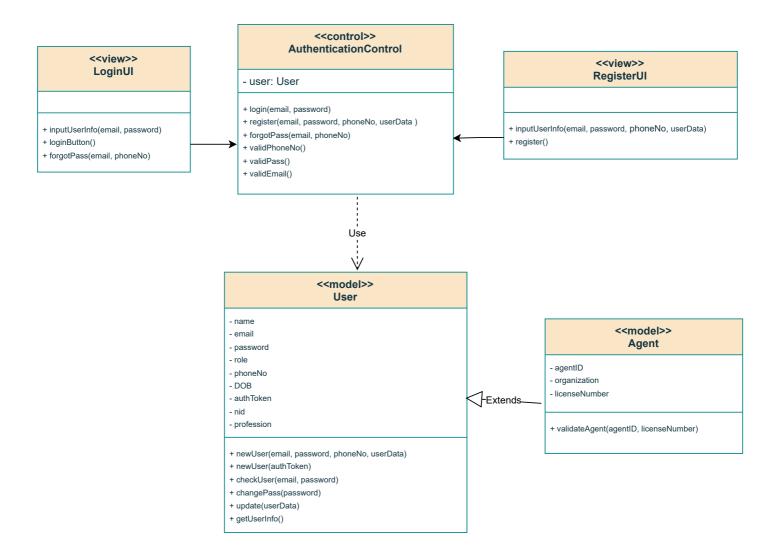
2005014

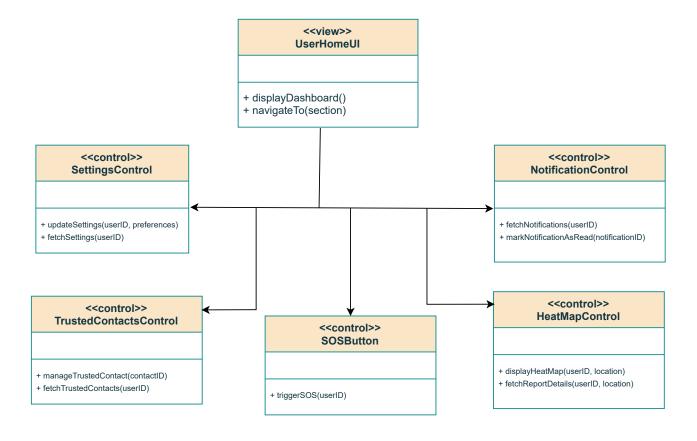
2005022

2005025

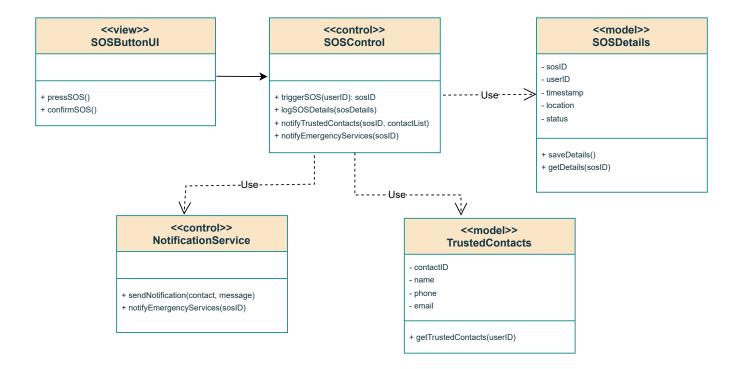
Presenter:

2005014

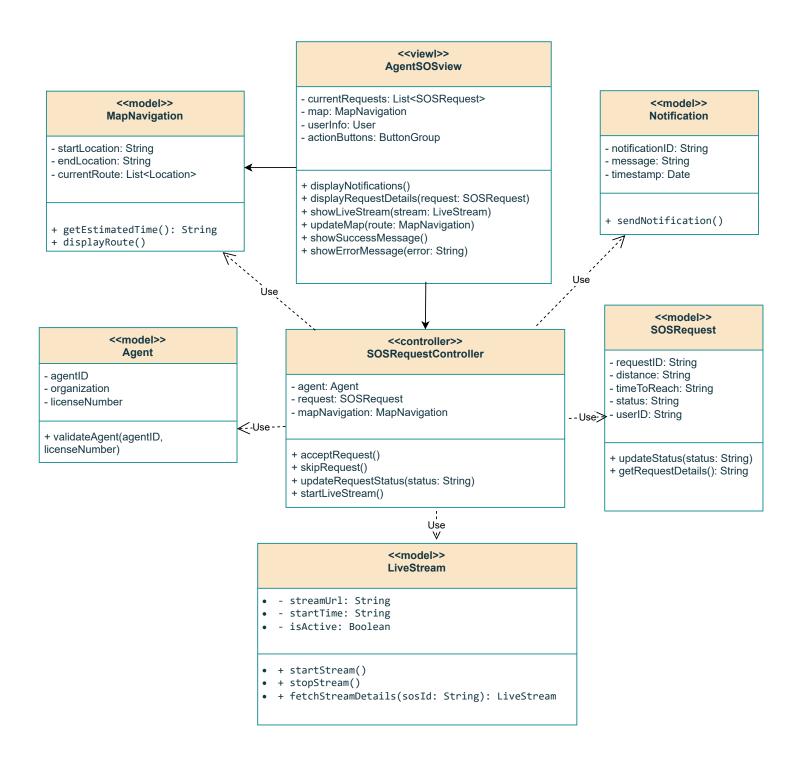




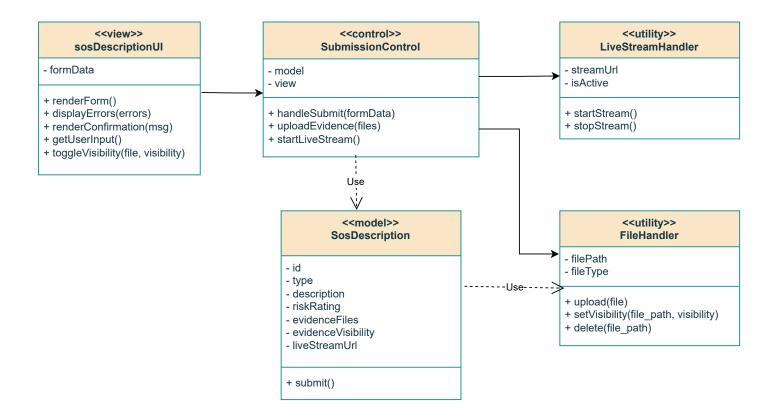
3. SOS Page(User)



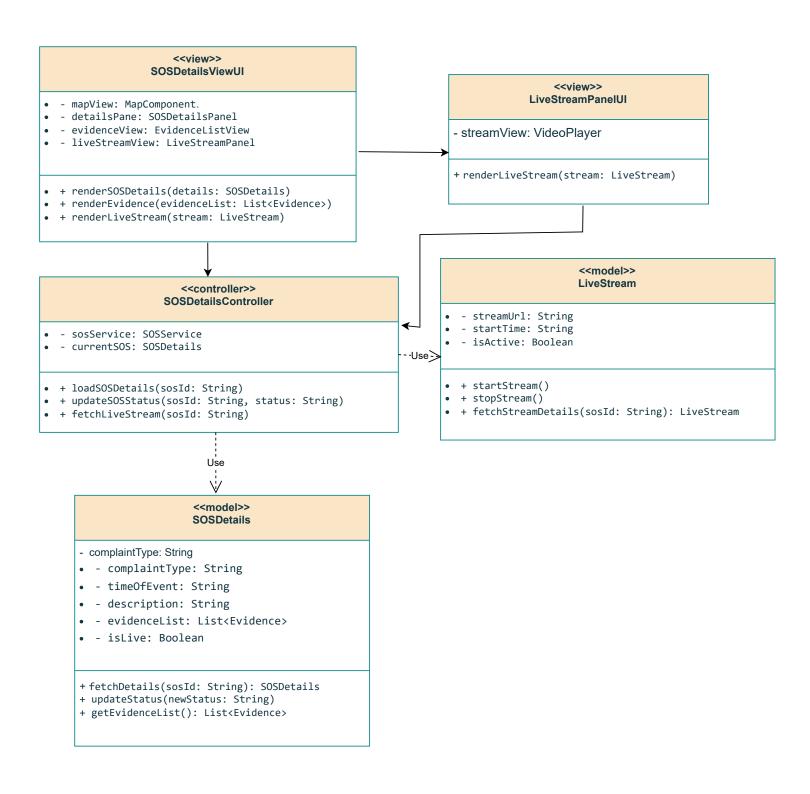
4. Agent Home Page & Notification



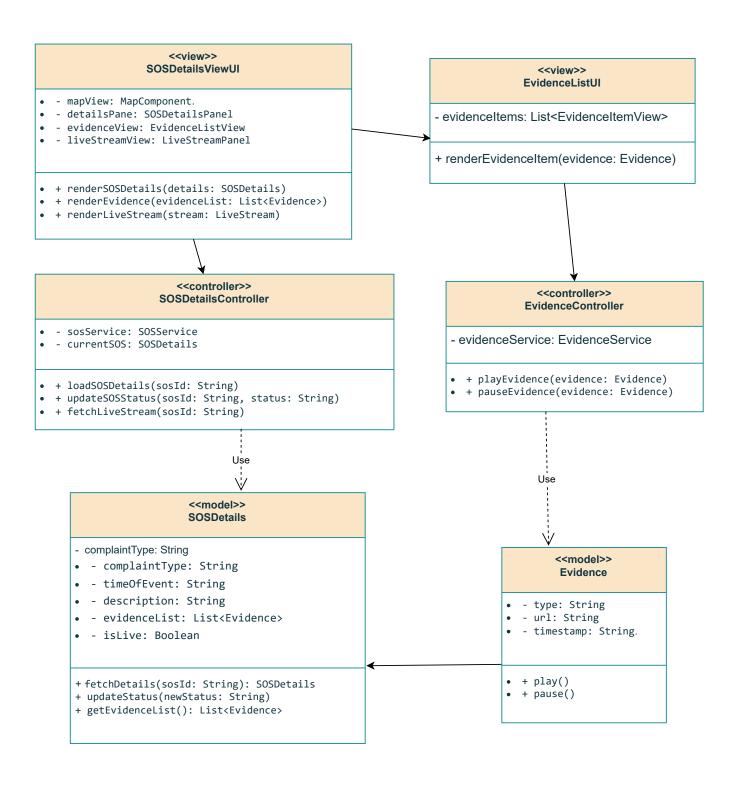
5. SOS Description(User)

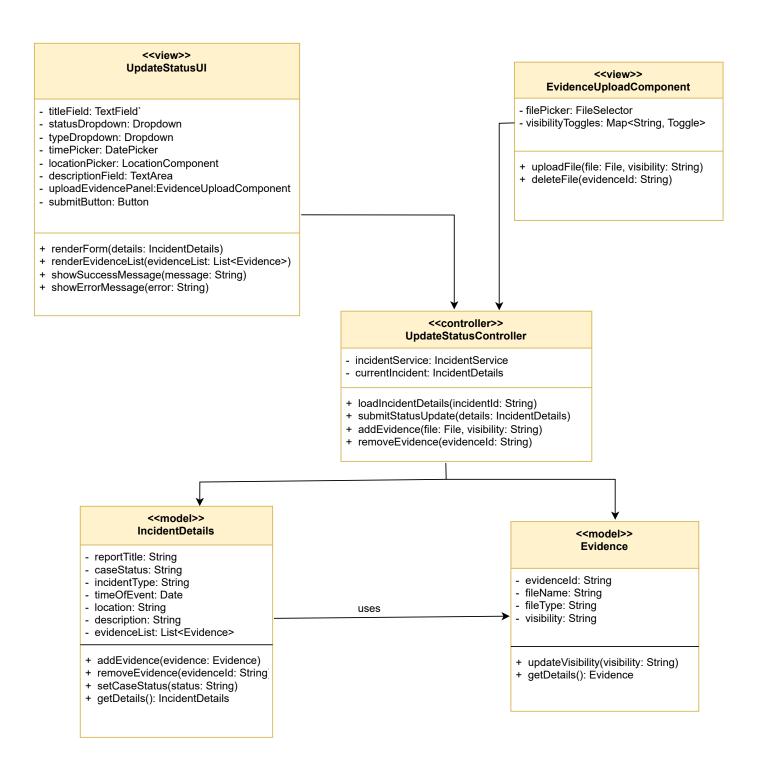


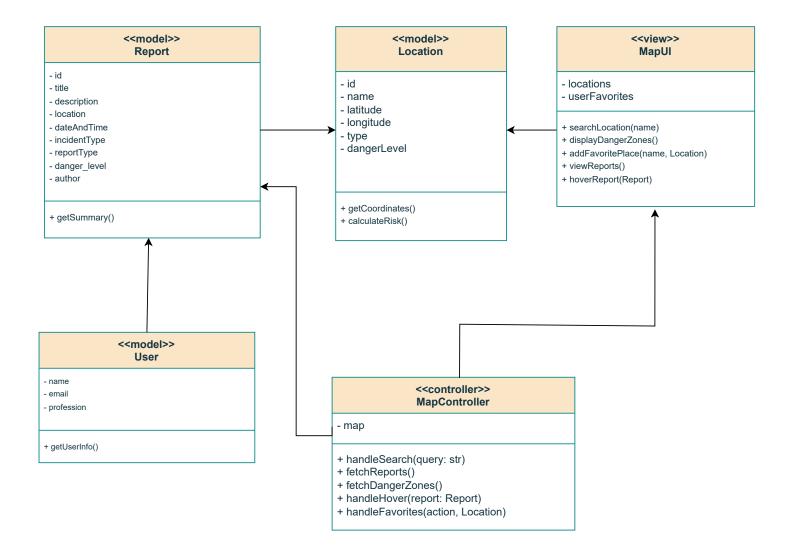
6. Agent View Details (Live)

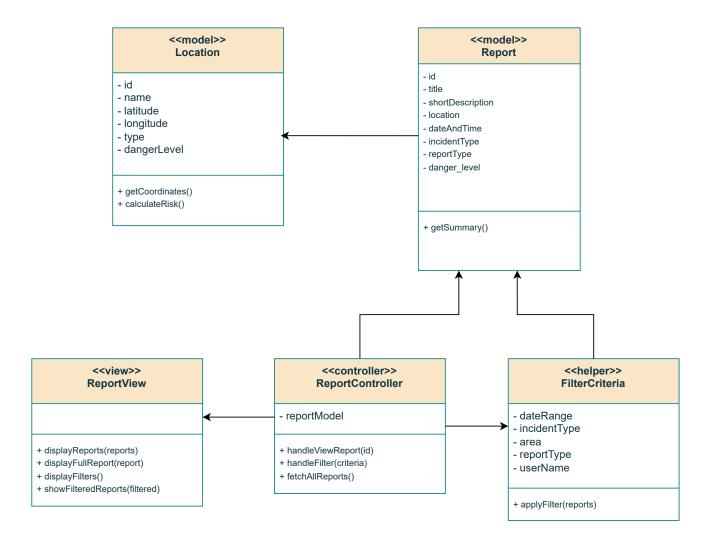


7. Agent View Evidence

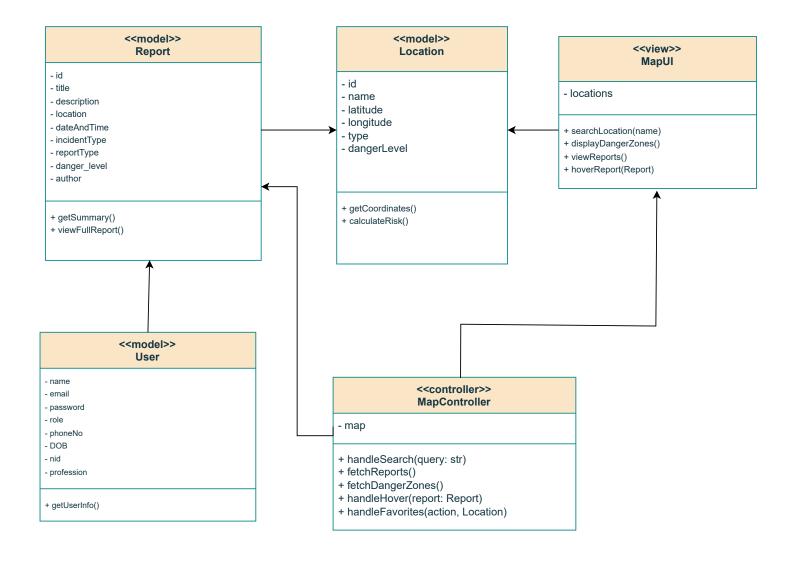




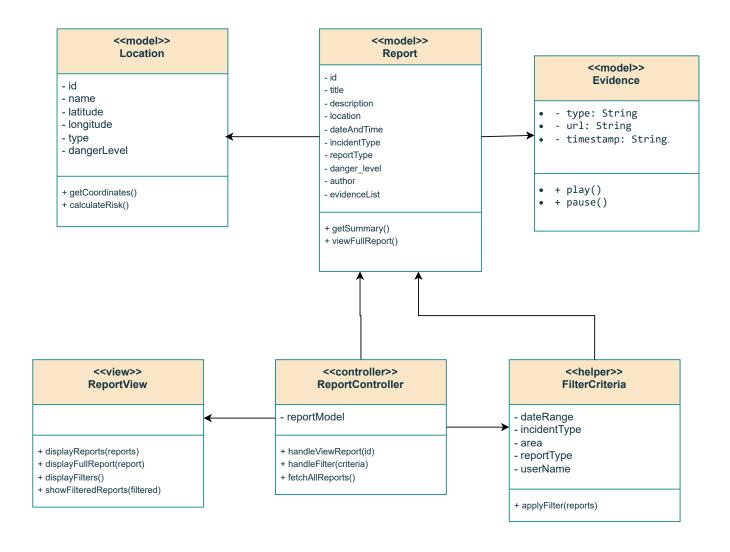




11. Agent Heat Map



12. View Report (Agent)



13. User Notification

<<view>> NotificationListView

- notificationItems: List<NotificationItemView>
- tabFilters: List<String>
- + renderNotifications(notifications: List<Notification>):
- + filterNotifications(filterType: String): void

<<controller>> NotificationController

- user: User
- notificationService: NotificationService
- + fetchNotifications(userId: String): List<Notification>
- + updateNotificationStatus(notificationId: String, status: String)

<<model>> Notification

- id: String
- title: String
- message: String
- timeStamp: DateTime
- type: String
- isRead: Boolean
- + markAsRead(): void
- + getNotificationDetails(): Notification

<<view>> RiskZoneAlertView

- zonelnfo: RiskZone
- distanceToUser: Float
- + renderRiskZoneDetails(zone: RiskZone)

<<controller>> RiskZoneViewController

- user: User
- riskZoneService: RiskZoneService
- + checkRiskyZone(location: String): RiskZone
- + notifyUsersInRiskyZone(zoneId: String)

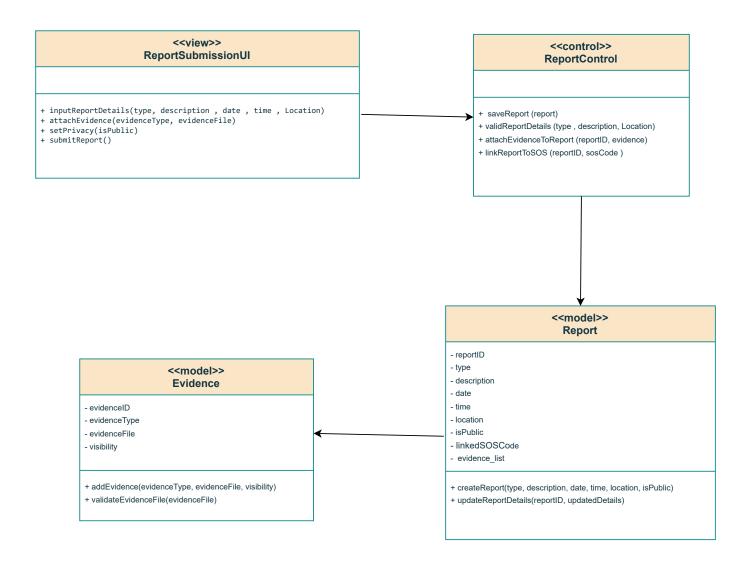
<<model>> RiskZone

- zoneld: String
- zoneName: String
- crimeRate: Float
- lastUpdated: DateTime
- + updateZoneDetails(): void
- + fetchRiskLevel(location: String): String

<<model>> User

- name
- email
- password
- role
- phoneNo
- DOB
- authToken
- nid
- profession
- + newUser(email, password, phoneNo, userData)
- + newUser(authToken)
- + checkUser(email, password)
- + changePass(password)
- + update(userData)
- + getUserInfo()

14. User Report Submission



15. Agent Report Submission

