

# **SECURITY SERVICE MANAGEMENT SYSTEM FOR RALL**

**Sri Lanka Institute of Information Technology**



**IT2080 – Information Technology Project**

**System Design Activity**

**Group ID: ITP24R\_B1\_W22**

## **Team Members**

	<b>Name with Initials</b>	<b>Student ID</b>
<b>01.</b>	Fernando K. K. C	IT22325228
<b>02.</b>	Sadisha R. M. M	IT22907998
<b>03.</b>	Dissanayaka D. M. S. M	IT20145552
<b>04.</b>	Randiw E. Y	IT22257086
<b>05.</b>	Jayodhya J. D. H	IT22293480
<b>06.</b>	Medawatte W. W. M. T. N. B	IT22127082
<b>07.</b>	Kusumsiri P. A. S. S	IT22132628
<b>08.</b>	Ranasinghe R. A. R. V. C	IT22197146

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# Major Components

## 1. User Management

Components:

- User Authentication
  - Login/Logout
  - Password Reset (with OTP)
  - Session Management
- User Access Control
  - Role-Based Access Control (RBAC)
  - Permissions Management
- User Profile Management
  - CRUD operations for user details
  - Profile updates
- Notification System
  - Notifications for account-related actions
- User activity tracking and logging

## 2. Training Management

Components:

- Course Management
  - CRUD operations for courses
- Course scheduling
- Course updates and deletions

## 3. Client Management

Components:

- Client Support Management
- Submission and tracking of support tickets
  - Status updates for support requests
- Communication logging with clients

## 4. Booking Management

Components:

- Create, update, and cancel bookings
- Check availability
- Manage booking status

## **5. Payment Management**

**Components:**

- Invoice Generation
- Create and manage invoices
- Track payment status
- Generate and send receipts

## **6. Operation Management**

**Components:**

- Operation Scheduling
- Define and manage operations (e.g., security coverage)
- Monitor operation progress
- Update operation status

## **7. Inventory Management**

**Components:**

- Inventory Control
- Track inventory levels
- Add, update, and remove inventory items
- Monitor stock levels and generate alerts for low stock

## **8. Employee Management**

**Components:**

- Leave Management
- Manage leave applications and approvals
- Track leave balances
- Maintain leave records

# Data Model

## User Management Component

- **Purpose:** To manage user accounts, roles, authentication, and notifications.
- **Key Features:**
  - **User Registration and Login:** Manages user accounts for different roles (e.g., Manager, Client, Employee).
  - **Role-Based Access Control (RBAC):** Each user has a single role (Manager, Client, Employee) with specific permissions.
  - **Password Management:** Allows password reset using OTP sent to email.
  - **Notifications:** Sends notifications for various actions (e.g., account creation, password reset).
- **Key Entities:**
  - **User:** Attributes include user\_id (Numeric), username (String), password (String), email (String), role\_id (Numeric).
  - **Role:** Attributes include role\_id (Numeric), role\_name (String).
  - **Notification:** Attributes include notification\_id (Numeric), user\_id (Numeric), message (String), date\_sent (Date).

## Leave Management Component

- **Purpose:** To handle employee information, leave management, and scheduling.
- **Key Features:**
  - **Employee Information Management:** Manages security officers' details, contact information, assigned roles, and locations.
  - **Leave Management:** Tracks employee leave requests, approvals, and balances.
- **Key Entities:**
  - **Employee:** Attributes include employee\_id (Numeric), name (String), contact\_info (String), role (String), assigned\_location (String), status (String).
  - **Leave:** Attributes include leave\_id (Numeric), employee\_id (Numeric), start\_date (Date), end\_date (Date), reason (String), approval\_status (String).

## Client Management Component

- **Purpose:** To manage client information, interactions, and service requests.
- **Key Features:**
  - **Client Account Management:** Stores and manages client details.
  - **Client Requirement Documentation:** Manages client service requirements and contracts.
- **Key Entities:**
  - **Client:** Attributes include client\_id (Numeric), name (String), contact\_info (String), organization (String), service\_details (String).

## Booking Management Component

- **Purpose:** To handle the booking of security services by clients.
- **Key Features:**
  - **Booking Creation and Management:** Manages bookings for security services.
  - **Assignment of Security Officers:** Assigns officers to client bookings based on requirements.
- **Key Entities:**
  - **Booking:** Attributes include booking\_id (Numeric), client\_id (Numeric), service\_type (String), start\_date (Date), end\_date (Date), assigned\_employee (String), status (String).

## Payment Management Component

- **Purpose:** To manage payments and invoicing for services provided.
- **Key Features:**
  - **Invoice Generation:** Generates invoices for services rendered.
  - **Payment Tracking:** Monitors payment statuses.
- **Key Entities:**
  - **Invoice:** Attributes include invoice\_id (Numeric), client\_id (Numeric), booking\_id (Numeric), amount (Currency), due\_date (Date), payment\_status (String).

## Operation Management Component

- **Purpose:** To manage operations related to service delivery.
- **Key Features:**
  - **Task Assignment:** Assigns tasks to security officers.
  - **Operation Status Management:** Monitors the status of operations.
- **Key Entities:**
  - **Operation:** Attributes include operation\_id (Numeric), employee\_id (Numeric), client\_id (Numeric), assigned\_task (String), task\_status (String).

## Inventory Management Component

- **Purpose:** To manage the inventory of equipment and supplies.
- **Key Features:**
  - **Inventory Tracking:** Tracks equipment and supplies.
  - **Allocation Management:** Allocates equipment to officers based on need.
- **Key Entities:**
  - **InventoryItem:** Attributes include item\_id (Numeric), name (String), quantity (Numeric), assigned\_to (String), status (String), location (String).

## Training Management Component

- **Purpose:** To manage training programs for security officers.
- **Key Features:**
  - **Course Management:** Manages training courses.
  - **Enrollment Management:** Tracks enrollments.
- **Key Entities:**
  - **Course:** Attributes include course\_id (Numeric), course\_name (String), description (String), start\_date (Date), end\_date (Date), trainer (String).

# Non-Functional Requirements

## Performance Requirements:

- **Response Time:** The system should have a maximum response time of 2 seconds for all user actions, such as login, data retrieval, and form submission. Quick response times are crucial to ensure efficient operations and user satisfaction.
- **Scalability:** The system must handle up to 1,000 concurrent users without degradation in performance, accommodating future growth as the client base and employee count increase.
- **Throughput:** The system should be able to process at least 100 transactions per second to handle peak loads, such as simultaneous bookings, payments, and inventory updates.

## Reliability Requirements:

- **Availability:** The system should be available 99.9% of the time, translating to minimal downtime. This is essential for continuous operation, especially since the system manages critical security services.
- **Fault Tolerance:** The system should be able to recover from server or network failures within 5 minutes without data loss. Redundant systems and automatic backups must be in place to maintain data integrity.
- **Data Consistency:** The system must ensure that all data updates (e.g., employee details, bookings, payments) are immediately consistent across all modules and accessible in real time.

## Security Requirements:

- **Data Protection:** All sensitive data, such as user credentials, personal information, and financial details, must be encrypted using industry-standard encryption methods (e.g., AES-256).
- **Access Control:** Implement Role-Based Access Control (RBAC) to ensure that users (managers, clients, employees) can only access data and perform actions relevant to their roles.
- **Audit Logging:** All critical actions, such as user login, data modification, and transactions, must be logged with timestamps, user details, and action descriptions for auditing and security analysis.

## Usability Requirements:

- **User Interface (UI):** The system should have an intuitive and user-friendly interface with consistent design elements (e.g., colors, fonts, and navigation). The interface should require minimal training for new users.
- **Accessibility:** The system must comply with accessibility standards (e.g., WCAG 2.1) to ensure that it is usable by people with disabilities, including features like screen reader compatibility and keyboard navigation.
- **User Feedback:** All user actions should provide immediate feedback, such as confirmation messages for data submission and error messages for invalid input.

## Maintainability Requirements:

- **Code Quality:** The system must follow clean code principles and use consistent coding standards (e.g., using ESLint for JavaScript) to ensure readability and maintainability.
- **Modularity:** The system architecture should be modular, allowing individual components (e.g., User Management, Client Management) to be maintained and updated independently.
- **Documentation:** Comprehensive documentation must be provided for developers, administrators, and end-users, including API documentation, user manuals, and troubleshooting guides.

## Scalability Requirements:

- **Horizontal Scaling:** The system architecture must support horizontal scaling to add more servers or instances as needed to handle increased loads.
- **Database Scalability:** The database must support sharding and replication to handle growing amounts of data, such as user accounts, transactions, and logs.

## Interoperability Requirements:

- **API Integration:** The system must provide RESTful APIs to integrate with third-party systems (e.g., payment gateways, client systems) for seamless data exchange.
- **Data Format Standards:** The system should use standard data formats (e.g., JSON, XML) for all data interchange to ensure compatibility with external systems.

### Compliance Requirements:

- **Data Privacy Laws:** The system must comply with data privacy regulations relevant to its operation (e.g., GDPR, CCPA), including data protection, user consent, and data retention policies.
- **Industry Standards:** The system should adhere to security service industry standards, including ISO 27001 for information security management.

### Portability Requirements:

- **Deployment Flexibility:** The system must be deployable on different environments (e.g., cloud, on-premises) without significant changes.
- **Browser Compatibility:** The web-based system must be compatible with all major browsers (e.g., Chrome, Firefox, Safari, Edge) and support responsive design for use on various devices (e.g., desktops, tablets, mobile phones).

### Data Management Requirements:

- **Backup and Recovery:** Automatic daily backups should be maintained, with the ability to recover data within 15 minutes in the event of a failure or data loss.
- **Archiving:** Historical data (e.g., old transactions, logs) should be archived after one year and retained for at least five years for auditing and compliance.

These non-functional requirements ensure that the **Security Service Management System** is efficient, secure, reliable, and user-friendly while meeting industry standards and regulations.

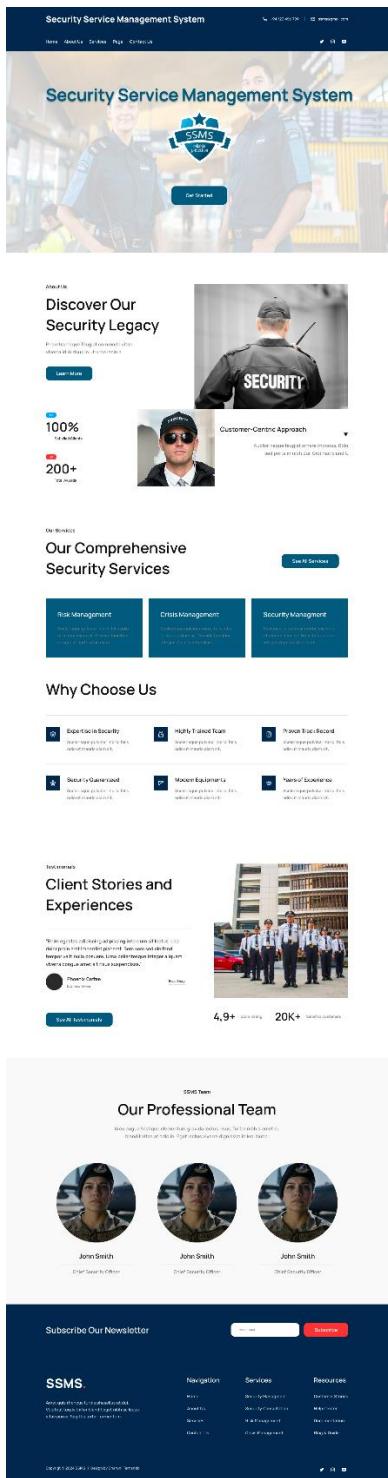
## Third-Party Components

- **Authentication & Authorization**
  - **Auth0 / Okta:** For secure user login and role management.
- **Payment Processing**
  - **Stripe / PayPal:** For handling online payments and invoicing.
- **Email Notifications**
  - **SendGrid / Mailgun:** For sending transactional emails and notifications.
- **Mapping & Geolocation**
  - **Google Maps API / Mapbox:** For displaying locations and maps.
- **Data Storage & Backup**
  - **Amazon S3 / Google Cloud Storage:** For cloud storage and data backups.
- **Logging & Monitoring**
  - **Sentry / Datadog:** For tracking errors and monitoring system performance.
- **Analytics & Reporting**
  - **Google Analytics / Tableau:** For user insights and report generation.
- **Communication Tools**
  - **Twilio:** For SMS and voice communications.
- **UI Libraries**
  - **Material-UI / Bootstrap:** For responsive and consistent UI components.
- **Security Enhancements**
  - **Cloudflare:** For DDoS protection and web security.
- **Deployment & CI/CD**
  - **Docker / GitHub Actions:** For containerization and automated deployment.
- **API Management**
  - **Postman / Swagger:** For API testing and documentation.

# Graphical User Interface (GUI)

IT22325228 – Fernando K. K. C | User Management

## Home Page



The screenshot displays the homepage of the Security Service Management System (SSMS). At the top, there's a header with the system's name and a 'Get Started' button. Below the header is a large banner featuring two security officers. The main content area is divided into several sections:

- Discover Our Security Legacy:** Includes a photo of a security officer from behind and a 'Learn More' button.
- Customer-Centric Approach:** Includes a photo of a security officer in uniform and a brief description.
- Our Services:** Features three main service categories: Risk Management, Crisis Management, and Security Management, each with a brief description and a 'See All Services' button.
- Why Choose Us:** Lists eight reasons with icons and descriptions.
- Client Stories and Experiences:** Shows a photo of a group of security officers standing in front of a modern building.
- Our Professional Team:** Displays three circular profile pictures of officers named John Smith, John Smith, and John Smith, along with their titles: Chief Security Officer, Senior Security Officer, and Security Officer.
- Subscribe Our Newsletter:** A form for users to enter their email address and a 'Submit' button.
- Footer:** Includes links for 'SSMS', 'Navigation', 'Services', and 'Resources', as well as a copyright notice.

Security Service Management System

+94 123 456 789 | ssms@gmail.com

Home About Us Services Page Contact Us

Twitter Instagram YouTube

# Security Service Management System



Get Started

About Us

## Discover Our Security Legacy

Pharetra neque feugiat commodo vitae viverra id in risus in ut urna lacinia.

Learn More



01  
**100%**  
Satisfied Clients

02  
**200+**  
Total Awards

Customer-Centric Approach

Auctor neque feugiat ornare rhoncus. Odio sed porta in nibh dui. Orci hac blandit.

15

Our Services

# Our Comprehensive Security Services

[See All Services](#)

## Risk Management

Scelerisque pulvinar morbi felis odio ut mauris diam sit. Gravida faucibus integer at porta vitae diam.

## Crisis Management

Scelerisque pulvinar morbi felis odio ut mauris diam sit. Gravida faucibus integer at porta vitae diam.

## Security Management

Scelerisque pulvinar morbi felis odio ut mauris diam sit. Gravida faucibus integer at porta vitae diam.

# Why Choose Us



### Expertise in Security

Scelerisque pulvinar morbi felis odio ut mauris diam sit.



### Highly Trained Team

Scelerisque pulvinar morbi felis odio ut mauris diam sit.



### Proven Track Record

Scelerisque pulvinar morbi felis odio ut mauris diam sit.



### Security Guaranteed

Scelerisque pulvinar morbi felis odio ut mauris diam sit.



### Modern Equipments

Scelerisque pulvinar morbi felis odio ut mauris diam sit.



### Years of Experience

Scelerisque pulvinar morbi felis odio ut mauris diam sit.

Testimonials

# Client Stories and Experiences

"Enim egestas adipiscing adipiscing interdum sit lectus. Leo dolor proin erat imperdiet placerat. Sem sem sed eleifend tempor velit nulla posuere. Urna pellentesque integer aliquam viverra congue amet sit risus suspendisse."



Phoenix Coffee  
Business Owner

[Read Story](#)
[See All Testimonials](#)


**4,9+** Stars Rating    **20K+** Satisfied Customers

SSMS Team

## Our Professional Team

Arcu augue tristique elementum gravida lectus risus. Tortor nibh a amet eu blandit vitae at odio in. Eget lectus viverra dignissim in leo. Nunc.



John Smith

Chief Security Officer



John Smith

Chief Security Officer



John Smith

Chief Security Officer

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Amet quis rhoncus turpis phasellus ut dui.  
Volutpat turpis tortor blandit eget nibh ac lacus  
vitae purus. Sagittis tortor fermentum.

**Navigation**[Home](#)[About Us](#)[Services](#)[Contact Us](#)**Services**[Security Management](#)[Security Consultation](#)[Risk Management](#)[Crisis Management](#)**Resources**[Customer Stories](#)[Help Center](#)[Documentation](#)[Blog & Guide](#)

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## Sign Up

**Security Service Management System**

+94 123 456 789 | ssms@gmail.com

Home About Us Services Page Contact Us

Twitter Instagram YouTube

Your Logo

## Sign Up to Lorem Ipsum is simply

If you already have an account  
You can [Login here !](#)



### Sign Up

Enter Email

Create User name

Contact number

Password

Confirm Password

**Register**

or continue with



## Sign In

Security Service Management System

+94 123 456 789 | ssms@gmail.com

Home About Us Services Page Contact Us

Twitter Instagram YouTube

**Sign in to**  
Lorem Ipsum is simply

If you don't have an account register  
You can [Register here !](#)



### Sign in

Enter email or user name

Password



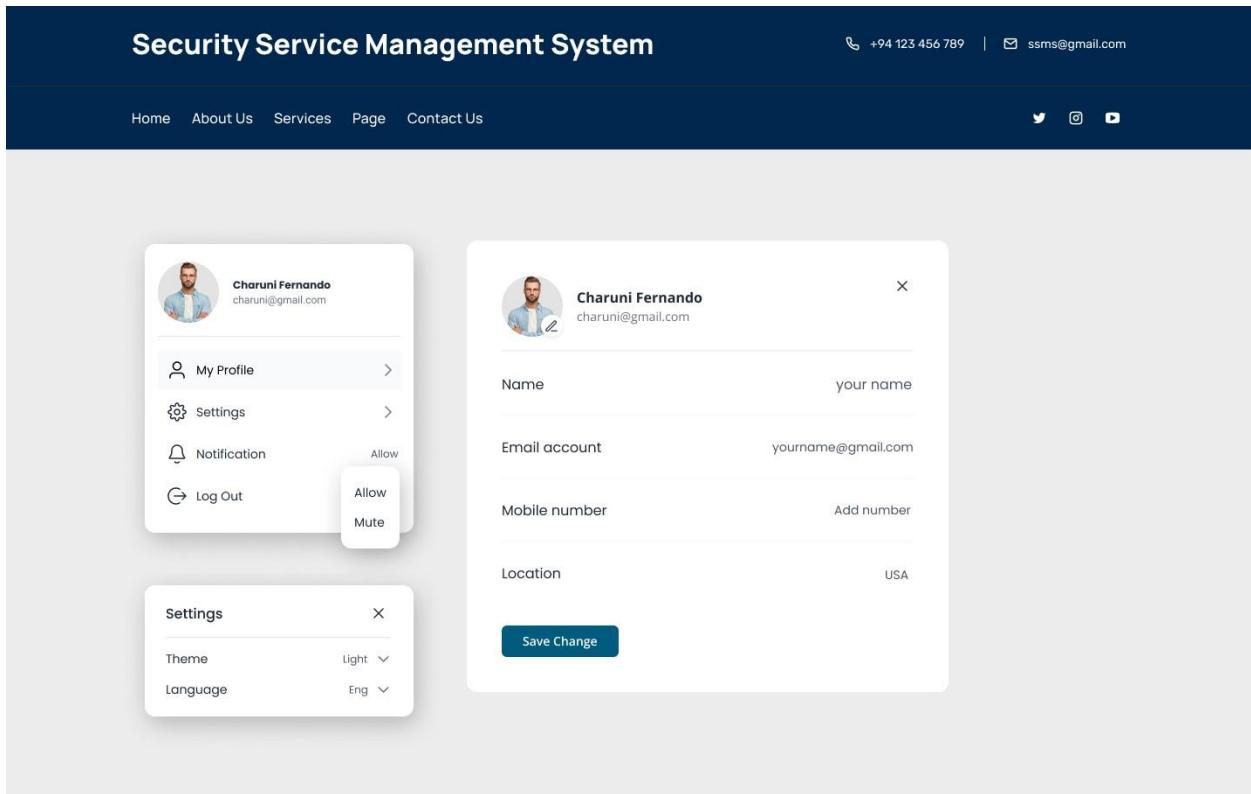
[Forgot password ?](#)

**Login**

or continue with



## User Profile



The screenshot displays the user profile interface of the Security Service Management System. At the top, there's a header bar with the system name "Security Service Management System". Below the header, a navigation bar includes links for Home, About Us, Services, Page, and Contact Us, along with social media icons for Twitter, Instagram, and YouTube.

The main content area shows the user's profile information: Charuni Fernando, charuni@gmail.com. A dropdown menu is open, showing options like My Profile, Settings, Notification (with Allow and Mute sub-options), and Log Out. Another settings overlay is visible, showing theme (Light) and language (Eng) options.

To the right, a detailed profile form is shown:

Name	your name
Email account	yourname@gmail.com
Mobile number	Add number
Location	USA

A "Save Change" button is located at the bottom of this form.

## User Dashboard

Hello, Charuni  
Have a nice day

Charuni Fernando  
Admin

Inquiry | Sort by | Saved search |

**Dashboard**

- Users
- Documents
- Photos
- Hierarchy
- Message
- Help
- Setting

**Users Dashboard**

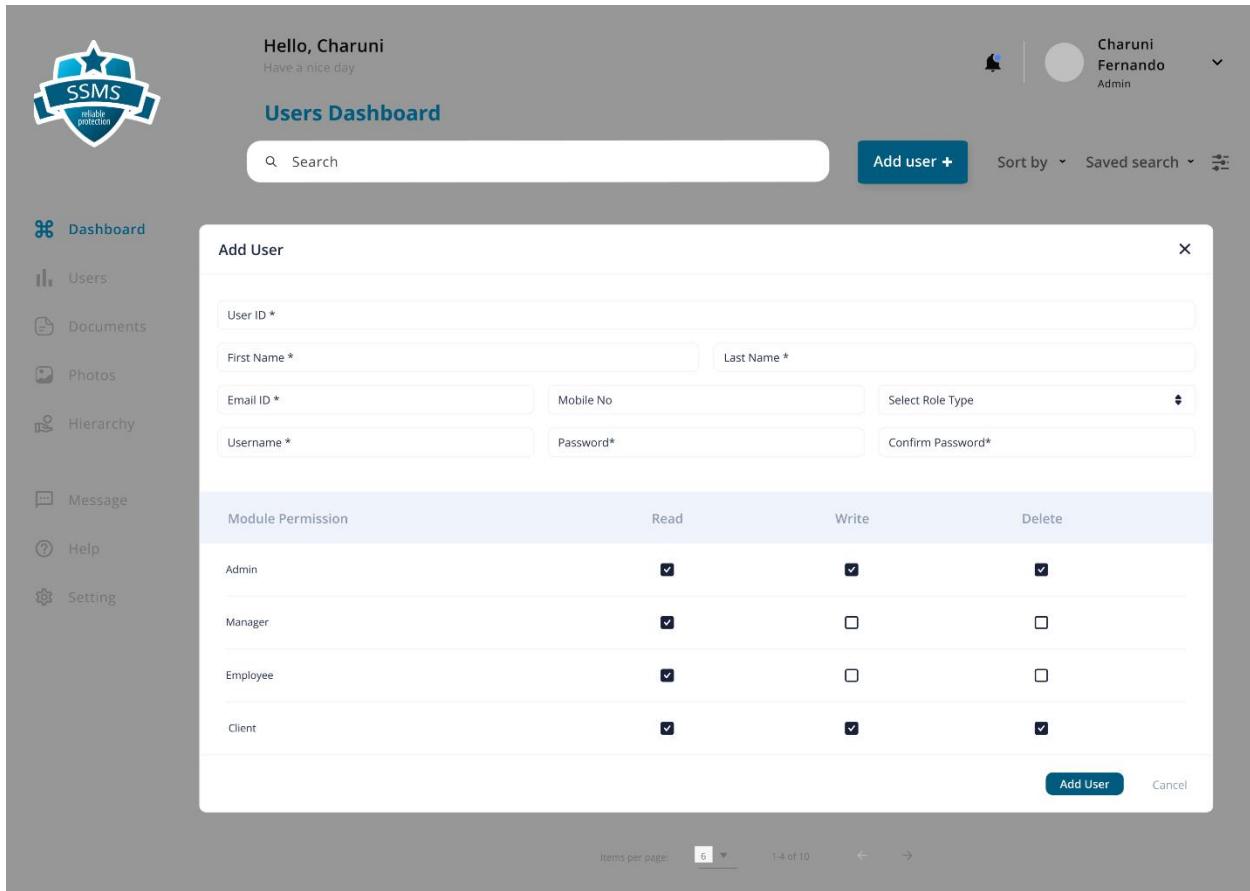
Search | Inquiry | Sort by | Saved search |

**List Users**

Name	Create Date	Role	Action
Charuni Fernando charuni@gmail.com	Active 10 Aug, 2024	Admin	
Malshini Sadisha malshini@gmail.com	Active 14 Aug, 2024	Training Manager	
Senath Dissanayaka senath@gmail.com	Active 14 Aug, 2024	Client Manager	
Amal Perera amal@gmail.com	Inactive 20 Aug, 2024	Client	
Yunal Randiw yunal@gmail.com	Active 15 Aug, 2024	Booking Manager	
Sithira Kusumarsi sithira@gmail.com	Active 12 Aug, 2024	Inventory Manager	
Nimal Fonseka nimal@gmail.com	Inactive 21 Aug, 2024	Security Officer	

Items per page: 6 | 1-4 of 10 |

## Add User



The screenshot shows the SLIIT SSMS Users Dashboard. At the top right, there is a user profile for "Charuni Fernando" (Admin) with a notification icon. Below the header, a search bar and a "Sort by" dropdown are visible. A prominent "Add user +" button is located in the top right corner of the main content area.

The main content is a modal titled "Add User". It contains fields for "User ID \*", "First Name \*", "Last Name \*", "Email ID \*", "Mobile No", "Select Role Type", "Username \*", "Password\*", and "Confirm Password\*". Below these fields is a table titled "Module Permission" with columns for "Read", "Write", and "Delete". The table lists four roles: Admin, Manager, Employee, and Client, each with specific permission checkboxes checked or unchecked.

Module Permission	Read	Write	Delete
Admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Client	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom right of the modal are "Add User" and "Cancel" buttons. At the very bottom of the page, there are navigation links for "Items per page:" (set to 6), "1-4 of 10", and arrows for navigating through the results.

## Users



YOURLOGO

- Dashboard
- Users**
- Documents
- Photos
- Hierarchy
- Message
- Help
- Setting

Hello, Charuni  
Have a nice day

|

**Charuni Fernando**  
Admin

Sort by Saved search

Add user +
Sort by
Saved search

Lorem ipsum  
**614**

Lorem ipsum  
**124**

Lorem ipsum  
**504**

Lorem ipsum  
**100**

Name	User ID	User Type	Date	Email	Action
Amal Perera	LA-0234	Employee	30 Apr, 2017 to 24 Oct 2020	amal@gmail.com	
Kamal Perera	LA-0234	Client	21 Aug, 2019 to 24 Oct 2020	kamal@gmail.com	
Bimal Perera	LA-0234	Client	21 July, 2019 to 26 July 2022	bimal@gmail.com	
Nimal Perera	LA-0234	Employee	30 Apr, 2017 to 24 Oct 2020	nimal@gmail.com	

Items per page: 6 ▼ 1-4 of 10

## Documentation



Hello, Charuni  
Have a nice day

Charuni Fernando Admin

YOURLOGO

**Documents**

Search documents

Sort by ▾

This Month ▾ Documents ▾ +

**List of documents**  
Lorem ipsum lorem uojuhn

File	Name	Date	Description	Actions
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	
	Lorem ipsum	April 9, 2022	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore.	

# IT22907998 – Sadisha R. M. M | Training Management

## Course Dashboard



The screenshot displays the homepage of the SSMS Security Training Courses website. At the top, there is a navigation bar with links for Home, About Us, Course (which is underlined), Payment, and Contact Us. A logo for SSMS is located on the left side of the header. Below the header, a large banner features the text "SECURITY TRAINING COURSES" in bold white letters, followed by a subtitle "A guide to start a career in security industry." A search bar is positioned at the top right of the banner. The main content area has a background image of a modern office or training facility. Overlaid on this image are four course categories listed in boxes: "Security Consultancy and Management Course", "Outbound & Personal Skills Development", "Communication Skills Development Course", and "Firearm Training". At the bottom of the page, there is a newsletter subscription form with fields for "Your Email" and a "Subscribe" button. The footer contains sections for "SSMS.", "Navigation", "Services", and "Resources", along with copyright and social media information.

**SSMS.**

Amet quis rhoncus turpis phasellus ut dui. Volutpat turpis tortor blandit eget nibh ac lacus vitae purus. Sagittis tortor fermentum.

**Navigation**

- Home
- About Us
- Services
- Contact Us

**Services**

- Security Management
- Security Consultation
- Risk Management
- Crisis Management

**Resources**

- Customer Stories
- Help Center
- Documentation
- Blog & Guide

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SSMS
[Home](#)
[About Us](#)
[Course](#)
[Payment](#)
[Contact Us](#)

# SECURITY TRAINING COURSES

A guide to start a career in security industry.

Course ID	Course Name	Action
SE001	Security Consultancy and Management Course	<a href="#" style="color: red; border: 1px solid #ccc; padding: 2px 5px;">DELETE</a> <a href="#" style="color: green; border: 1px solid #ccc; padding: 2px 5px;">UPDATE</a>
SE002	Outbound & Personal Skills Development Course	<a href="#" style="color: red; border: 1px solid #ccc; padding: 2px 5px;">DELETE</a> <a href="#" style="color: green; border: 1px solid #ccc; padding: 2px 5px;">UPDATE</a>
SE003	Communication skills Development Course	<a href="#" style="color: red; border: 1px solid #ccc; padding: 2px 5px;">DELETE</a> <a href="#" style="color: green; border: 1px solid #ccc; padding: 2px 5px;">UPDATE</a>
SE004	Firearm Training	<a href="#" style="color: red; border: 1px solid #ccc; padding: 2px 5px;">DELETE</a> <a href="#" style="color: green; border: 1px solid #ccc; padding: 2px 5px;">UPDATE</a>

[Create New](#)

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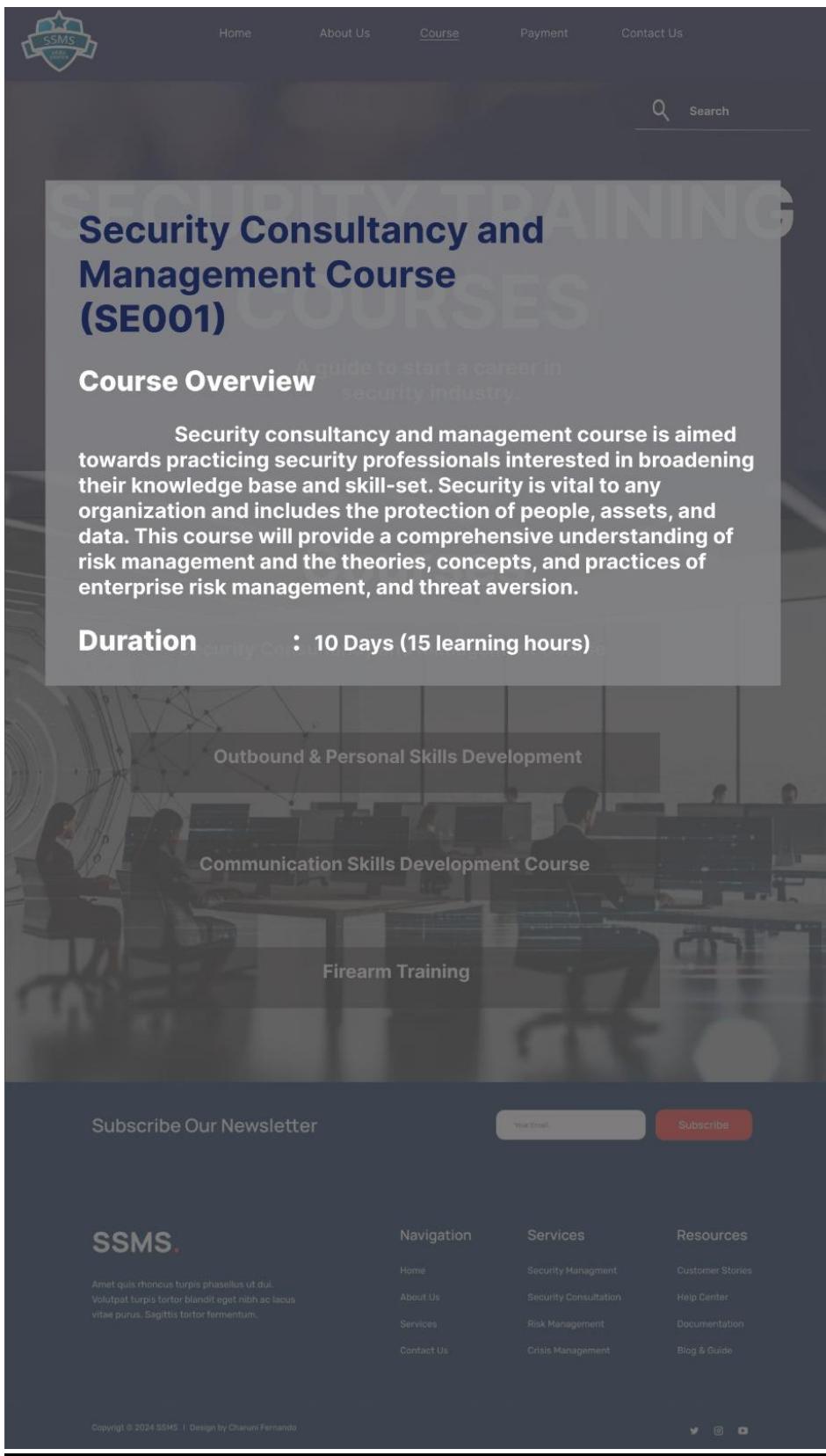
**SSMS.**

Amet quis rhoncus turpis phasellus ut dui.  
Voluptat turpis tortor blandit eget nibh ac lacus  
vitae purus. Sagittis tortor fermentum.

<a href="#" style="color: inherit; text-decoration: none;">Home</a> <a href="#" style="color: inherit; text-decoration: none;">About Us</a> <a href="#" style="color: inherit; text-decoration: none;">Services</a> <a href="#" style="color: inherit; text-decoration: none;">Contact Us</a>	<a href="#" style="color: inherit; text-decoration: none;">Navigation</a> <a href="#" style="color: inherit; text-decoration: none;">Services</a> <a href="#" style="color: inherit; text-decoration: none;">Resources</a>	<a href="#" style="color: inherit; text-decoration: none;">Security Management</a> <a href="#" style="color: inherit; text-decoration: none;">Security Consultation</a> <a href="#" style="color: inherit; text-decoration: none;">Risk Management</a> <a href="#" style="color: inherit; text-decoration: none;">Crisis Management</a>	<a href="#" style="color: inherit; text-decoration: none;">Customer Stories</a> <a href="#" style="color: inherit; text-decoration: none;">Help Center</a> <a href="#" style="color: inherit; text-decoration: none;">Documentation</a> <a href="#" style="color: inherit; text-decoration: none;">Blog &amp; Guide</a>
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## Courses



The screenshot shows the SSMS Security Consultancy and Management Course (SE001) website. At the top, there's a navigation bar with links for Home, About Us, Course (which is underlined), Payment, and Contact Us. A search bar is also present. The main title "Security Consultancy and Management Course (SE001)" is prominently displayed. Below it, a subtitle reads "A guide to start a career in security industry." A detailed description follows, stating that the course is aimed at practicing security professionals interested in broadening their knowledge base and skill-set, focusing on risk management and enterprise risk management. A duration of "10 Days (15 learning hours)" is mentioned. The background features a collage of images related to security training, including people working on computers, a network diagram, and a person in a suit. At the bottom, there's a newsletter subscription form with fields for "Your Email" and a "Subscribe" button.

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**Navigation**

- Home
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- Contact Us

**Services**

- Security Management
- Security Consultation
- Risk Management
- Crisis Management

**Resources**

- Customer Stories
- Help Center
- Documentation
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🔍

Search

# SECURITY TRAINING COURSES

## Outbound & Personal Skills Development (SE002)

A guide to start a career in security industry.

**A fantastic location for your Leadership & Personal Skills Development and Outbound Training. Your Team Building and Corporate Employee Engagement brings people together by encouraging Collaboration and teamwork.**

**Duration** : 10 Days (80 learning hours)



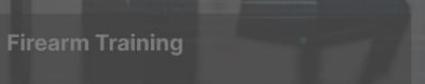
Security Consultancy and Management Course



Outbound & Personal Skills Development



Communication Skills Development Course



Firearm Training

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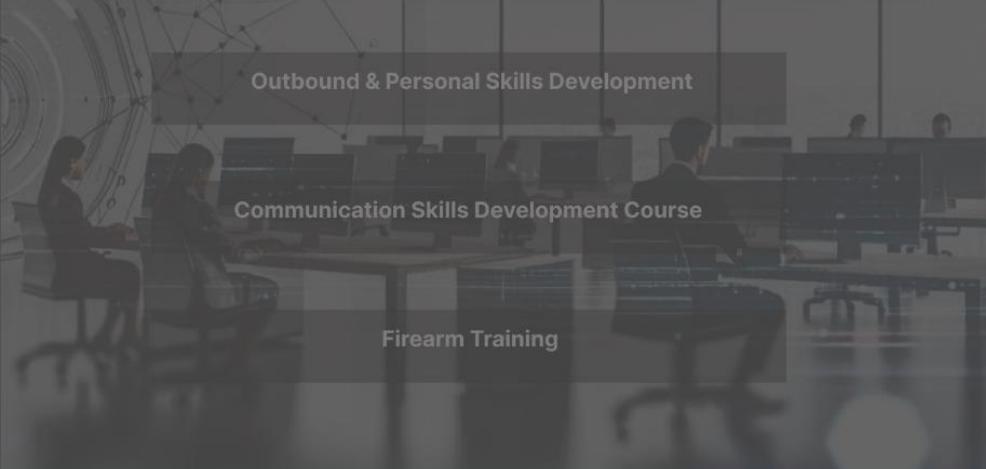
# SECURITY TRAINING COURSES

## Communication Skills Development Course (SE003)

A guide to start a career in security industry.

The Communication Skills Development course helps security personnel improve their ability to communicate effectively. It covers listening skills, clear speaking, and how to handle difficult conversations. The course also teaches how to give and receive instructions and work well in a team. By improving these skills, participants will be better equipped to interact with others and perform their duties more efficiently.

**Duration:** 5 Days (15 learning hours)



Outbound & Personal Skills Development

Communication Skills Development Course

Firearm Training

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Home      About Us      Course      Payment      Contact Us

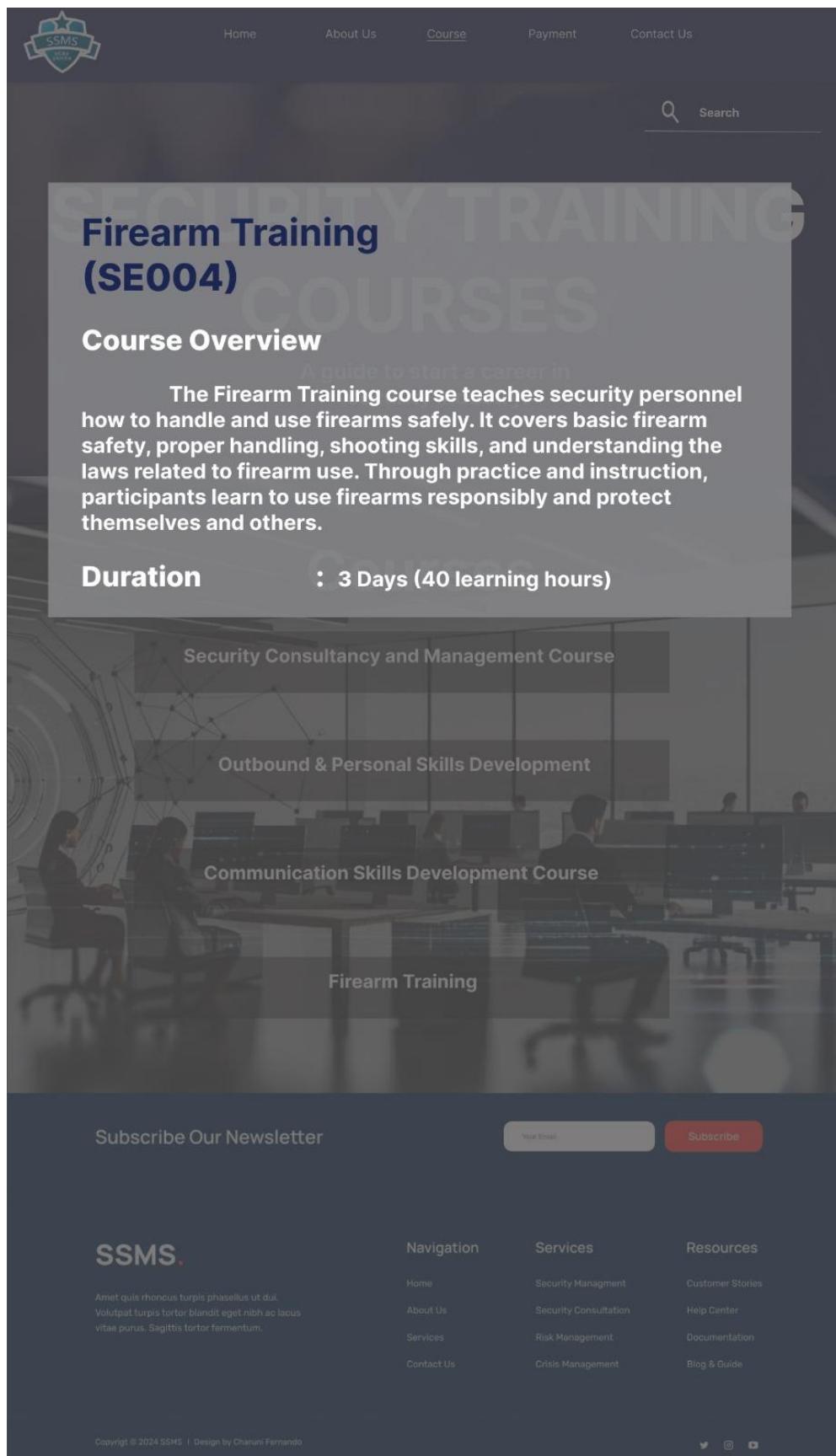
Search

# Firearm Training (SE004)

## Course Overview

A guide to start a career in  
The Firearm Training course teaches security personnel how to handle and use firearms safely. It covers basic firearm safety, proper handling, shooting skills, and understanding the laws related to firearm use. Through practice and instruction, participants learn to use firearms responsibly and protect themselves and others.

**Duration** : 3 Days (40 learning hours)



Security Consultancy and Management Course

Outbound & Personal Skills Development

Communication Skills Development Course

Firearm Training

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Navigation

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Risk Management

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Resources

Customer Stories

Help Center

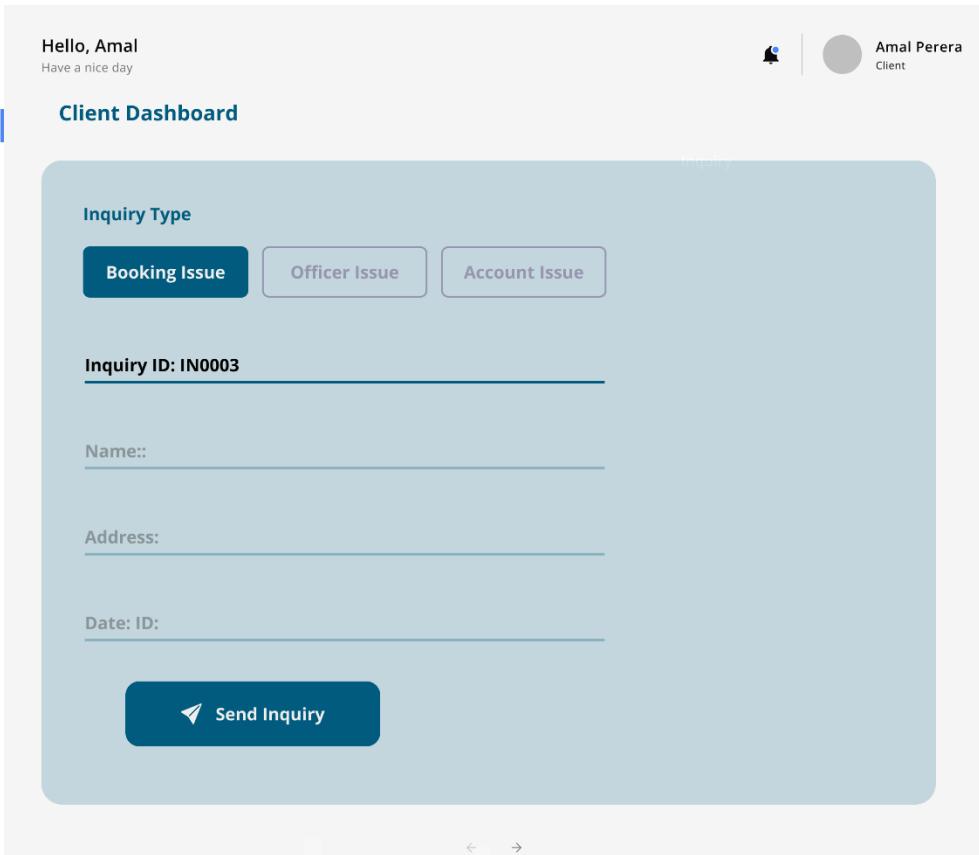
Documentation

Blog & Guide

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## IT20145552 – Dissanayaka D. M. S. M | Client Management

Client Inquiry Dashboard

The screenshot shows the Client Inquiry Dashboard interface. On the left, there is a sidebar with the SSMS logo at the top. Below it are several menu items: Dashboard (selected), Inquiry, Documents, Photos, Hierarchy, Message, Help, and Setting. The main content area has a header "Hello, Amal" with a message "Have a nice day". To the right of the header is a user profile for "Amal Perera" (Client) with a notification bell icon. The main title is "Client Dashboard". Below it is a section titled "Inquiry Type" with three buttons: "Booking Issue" (selected), "Officer Issue", and "Account Issue". A text input field contains the "Inquiry ID: IN0003". There are three text input fields for "Name:", "Address:", and "Date: ID:". At the bottom is a large blue button labeled "Send Inquiry" with a paper airplane icon.

## Client Manager Dashboard



- ⌘ [Dashboard](#)
- 📊 [Client](#)
- 📄 [Documents](#)
- 📷 [Photos](#)
- ↳ [Hierarchy](#)
- 💬 [Message](#)
- ❓ [Help](#)
- ⚙️ [Setting](#)

Hello, Senath

Have a nice day

🔔
👤
⌄

Senath  
Dissanayaka ⌄  
Client Manager

**Manager Dashboard**

Solve Inquiry
Sort by ⌄
Saved search ⌄
⋮

**Client Inquiry List**

Name	Inquiry Date	Inquiry ID	Action
Charuni Fernando charuni@gmail.com	New Inquiry	10 Feb, 2024	IN0001 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Malshini Sadisha malshini@gmail.com	New Inquiry	14 Jan, 2024	IN0002 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Senath Dissanayaka senath@gmail.com	New Inquiry	14 Aug, 2024	IN0003 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Amal Perera amal@gmail.com	New Inquiry	10 Aug, 2024	IN0004 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Yunal Randiw yunal@gmail.com	New Inquiry	15 May, 2024	IN0005 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Sithira Kusumsiri sithira@gmail.com	New Inquiry	12 Aug, 2024	IN0006 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>
Nimal Fonseka nimal@gmail.com	Solved	21 Aug, 2023	IN0007 <span style="font-size: 0.8em;">📝</span> <span style="font-size: 0.8em;">🗑</span>

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## Solve Inquiry



Inquiry Dashboard

Client

Documents

Photos

Hierarchy

Message

Help

Setting

Hello, Senath  
Have a nice day



Senath  
Dissanayaka ▾  
Client Manager

### Inquiry Dashboard

#### Client Inquiry Details

Name : Amal Perera

Inquiry ID : IN0002

Address : No.20, Galle Road, Ratmalana

Inquiry Type : About Booking Issue

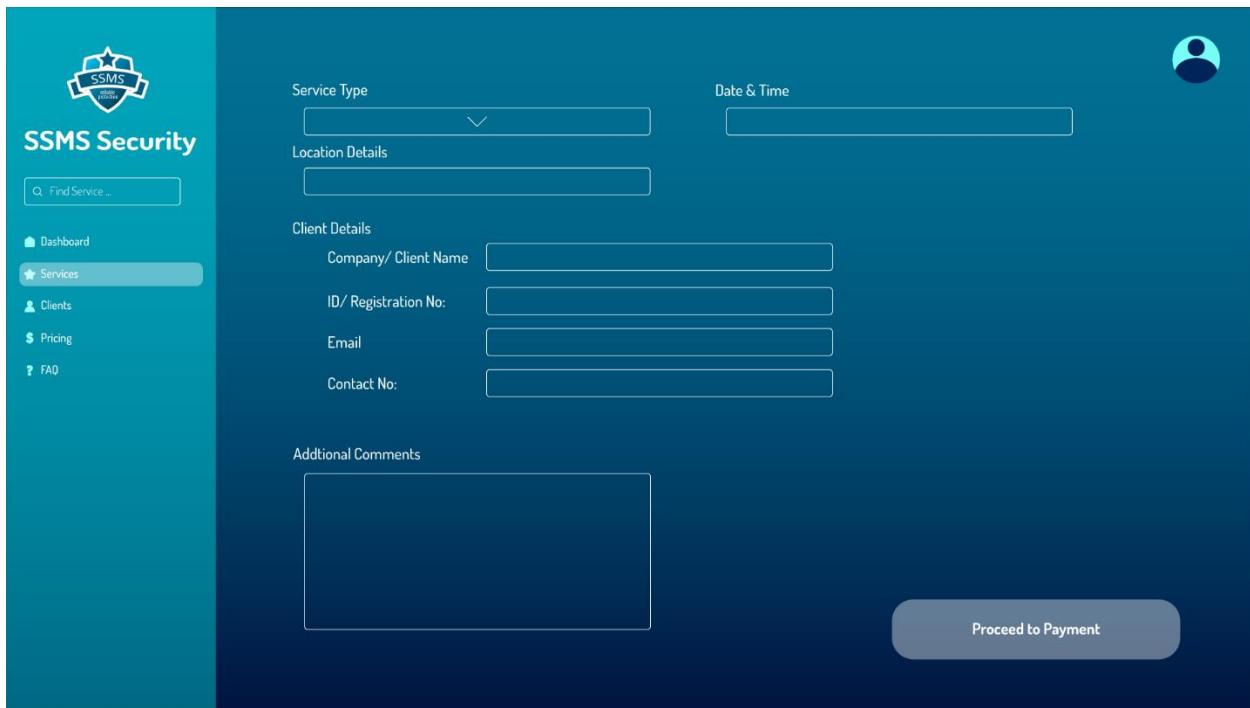
Inquiry Date : 25, Feb 2024

**Solved**



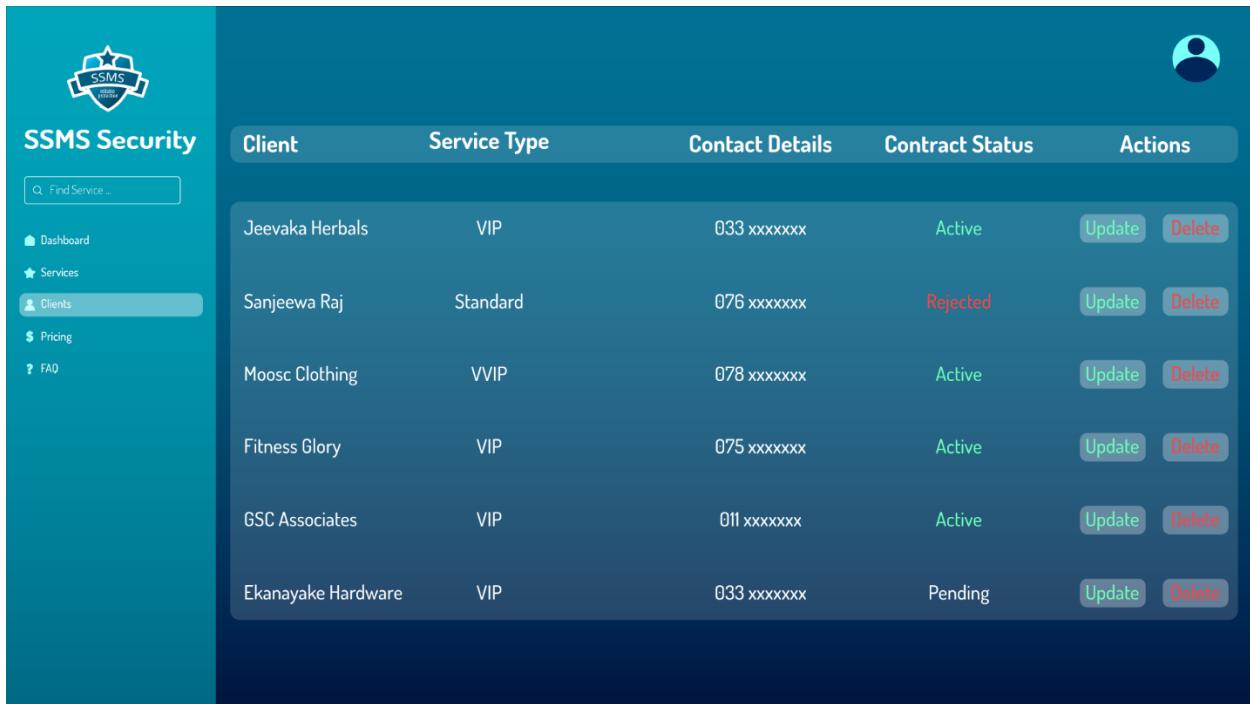
## IT22257086 – Randiw. E. Y | Booking Management

### Bookings



The screenshot shows a booking management form on a web application. The left sidebar has a teal header with the SSMS Security logo and navigation links: Dashboard, Services (selected), Clients, Pricing, and FAQ. The main form area has fields for Service Type, Date & Time, Location Details, Client Details (Company/Client Name, ID/Registration No., Email, Contact No.), Additional Comments, and a Proceed to Payment button.

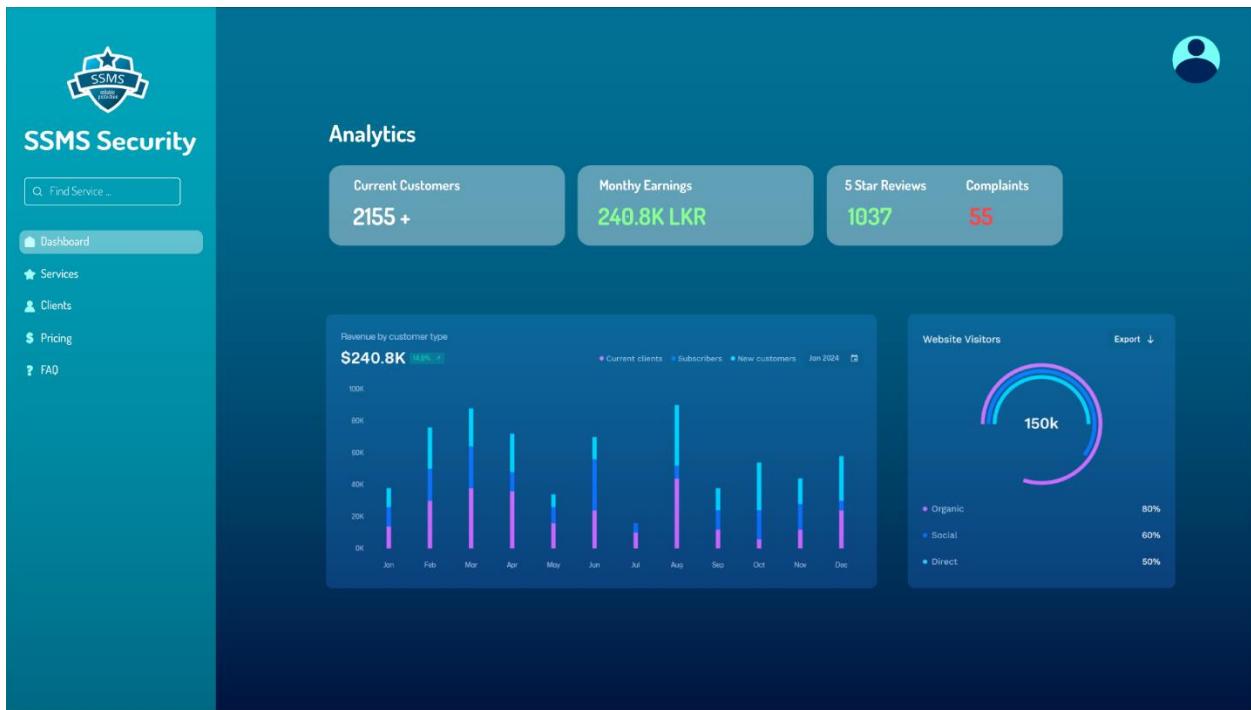
### Clients



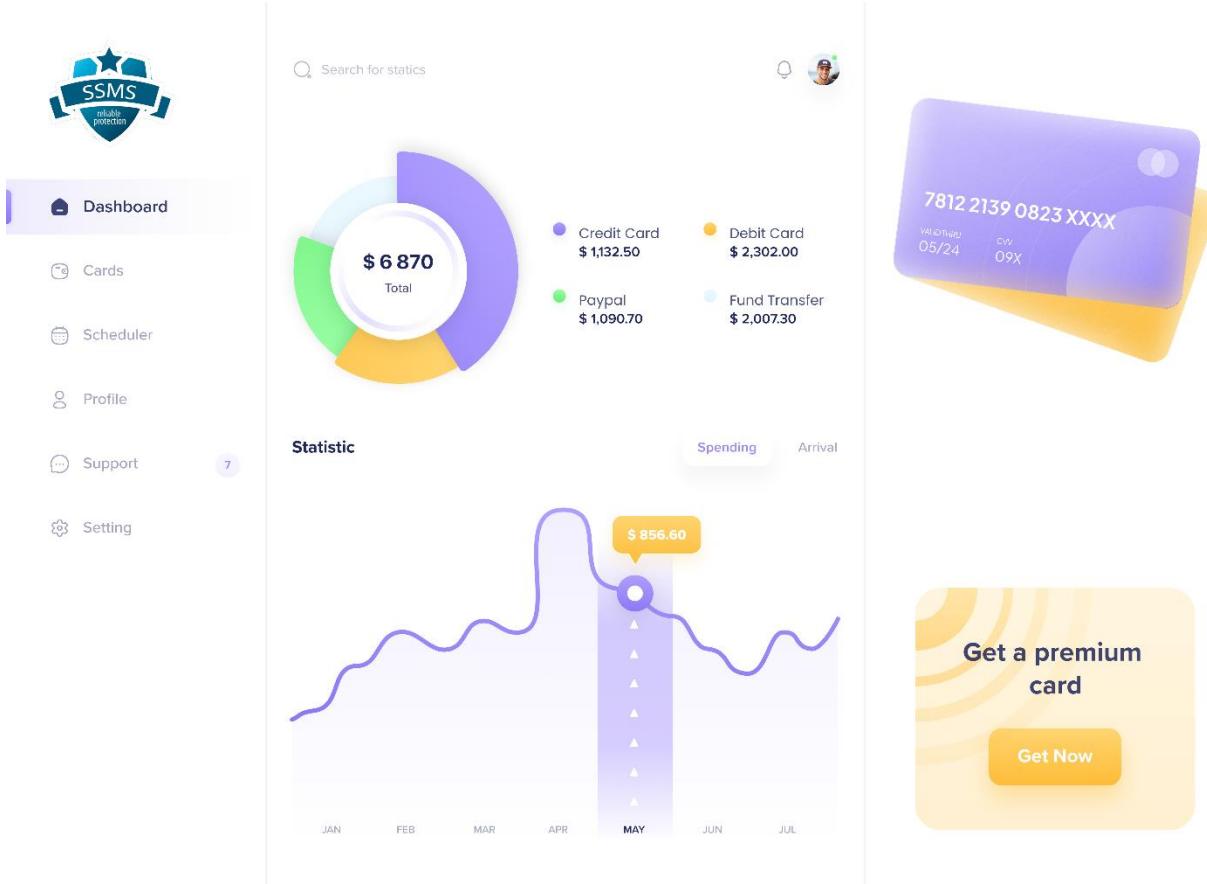
The screenshot shows a clients table on a web application. The left sidebar has a teal header with the SSMS Security logo and navigation links: Dashboard, Services, Clients (selected), Pricing, and FAQ. The main table lists clients with columns: Client, Service Type, Contact Details, Contract Status, and Actions (Update, Delete). The clients listed are Jeevaka Herbals (VIP, Active), Sanjeewa Raj (Standard, Rejected), Moosc Clothing (VVIP, Active), Fitness Glory (VIP, Active), GSC Associates (VIP, Active), and Ekanayake Hardware (VIP, Pending).

Client	Service Type	Contact Details	Contract Status	Actions
Jeevaka Herbals	VIP	033 xxxxxxx	Active	<button>Update</button> <button>Delete</button>
Sanjeewa Raj	Standard	076 xxxxxxx	Rejected	<button>Update</button> <button>Delete</button>
Moosc Clothing	VVIP	078 xxxxxxx	Active	<button>Update</button> <button>Delete</button>
Fitness Glory	VIP	075 xxxxxxx	Active	<button>Update</button> <button>Delete</button>
GSC Associates	VIP	011 xxxxxxx	Active	<button>Update</button> <button>Delete</button>
Ekanayake Hardware	VIP	033 xxxxxxx	Pending	<button>Update</button> <button>Delete</button>

## Booking Dash

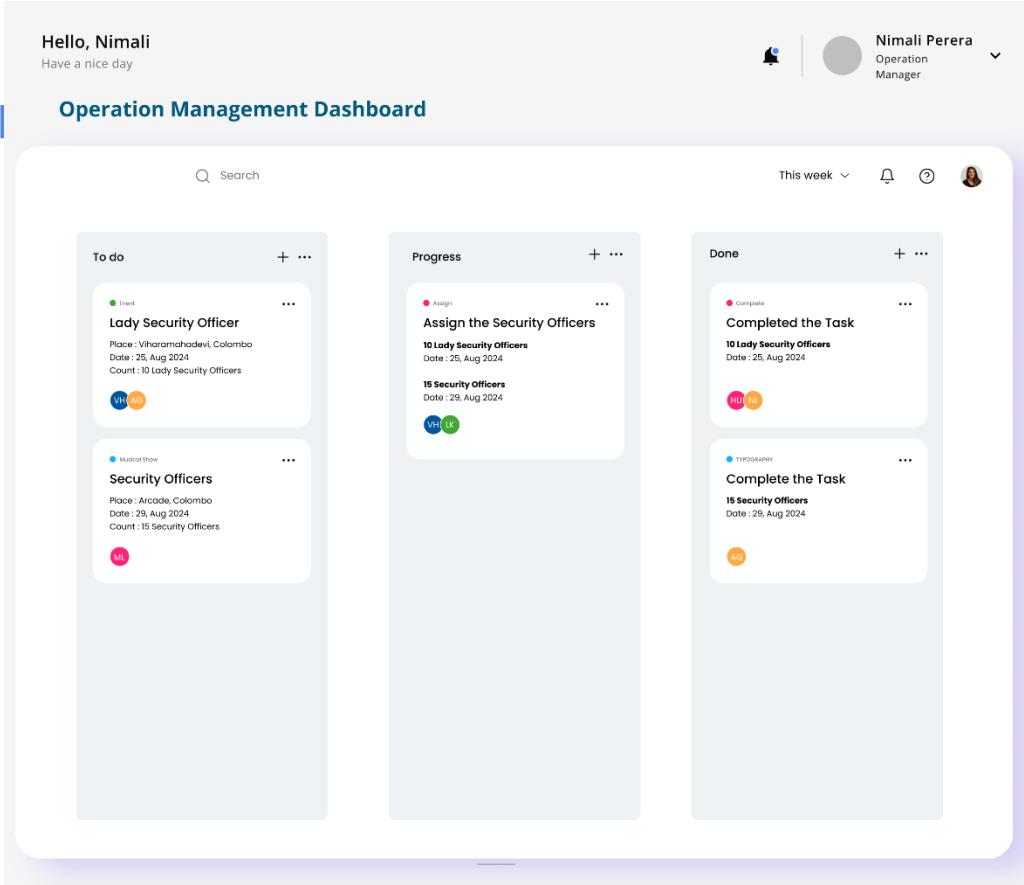


## IT22293480 – Jayodhya J. D. H | Payment Management



# IT22127082 – Medawatte W. W. M. T. N. B | Operation Management

## Operation Manager Dashboard



The dashboard features a sidebar on the left with the SSMS logo and a list of navigation items:

- Dashboard
- Operations
- Documents
- Photos
- Hierarchy
- Message
- Help
- Setting

The main area displays the following sections:

- To do** (Event): Lady Security Officer, Place: Viharamahadevi, Colombo, Date: 25 Aug 2024, Count: 10 Lady Security Officers. Includes icons for VH and AG.
- Progress** (Assign): Assign the Security Officers, 10 Lady Security Officers, Date: 25 Aug 2024. Includes icons for VH and DK.
- Done** (Complete): Completed the Task, 10 Lady Security Officers, Date: 25 Aug 2024. Includes icons for NH and NT.
- Progress** (Typography): Complete the Task, 15 Security Officers, Date: 28 Aug 2024. Includes icon for AG.

Top right corner shows user information: Nimali Perera, Operation Manager, with a notification bell icon.

# IT22132628 – Kusumsiri P. A. S. S | Inventory Management

## Inventory Home

**Security Service Management System**

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Home About Us Services Page Contact Us

[!\[\]\(434e44d42c39764ef45e376a4da9d077\_img.jpg\)](#)
[!\[\]\(4613fa9bf7e3c7a72d467c13f03f3ae1\_img.jpg\)](#)
[!\[\]\(b86090f53fcee897b051defc04bda9e9\_img.jpg\)](#)



## Welcome to the Inventory Management System

**Efficiently manage and monitor all security equipment in one place**

Inventory management is crucial in maintaining effective security operations, ensuring that all equipment is accounted for, properly maintained, and readily available when needed. By keeping a precise record of each piece of equipment, security teams can prevent shortages, manage maintenance schedules, and ensure that all personnel have the tools they need to perform their duties. Key features like equipment tracking, assignment to personnel, and the ability to send detailed profiles to managers streamline operations, enhance accountability, and support informed decision-making in security management.

 **Dashboard**

 **Equipment Management**

 **Equipment Details**

 **Profile Management**

 **Message**

 **Help**

 **Setting**





**Equipment Management**

**Equipment Details**

**Profile Management**

## Equipment Management



### Equipment Management

Add Equipment

Equipment ID *	Equipment Name *	Equipment Code *	
Supplier ID *	Supplier Mobile No.	Select Equipment Type	
Supplier Name *	Supplier Email *		
Manager Permission			
	Read	Write	Delete
Inventory Manager	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Supplier Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Add Equipment](#)

### Equipment Dashboard

List Equipment			
Name	Create Date	Type	Action
Uniform	10 Aug 2024	Consume	<a href="#">Edit</a> <a href="#">Delete</a>
Uniform	14 Aug 2024	Consume	<a href="#">Edit</a> <a href="#">Delete</a>
Access Control	14 Aug 2024	New Equipment	<a href="#">Edit</a> <a href="#">Delete</a>
TwoWay Radio	20 Aug 2024	Communication	<a href="#">Edit</a> <a href="#">Delete</a>
Boot	15 Aug 2024	Consume	<a href="#">Edit</a> <a href="#">Delete</a>
TwoWay Radio	12 Aug 2024	Communication	<a href="#">Edit</a> <a href="#">Delete</a>
Access Control	21 Aug 2024	Hard Equipment	<a href="#">Edit</a> <a href="#">Delete</a>

### Contact Suppliers Manually

**Client Inquiry Details**

Name : Sithira Sasanka  
 Supplier ID : SUP0002  
 Address : No.184, Cruthota, Gampaha  
 Contact No : 0764087950  
 Registered Date : 25, Feb 2024

[Send Email](#)

**Client Inquiry Details**

Name : Yunal Randiw  
 Inquiry ID : SUP006  
 Address : No.20, Madagama, Gampaha  
 Contact No : 0764578456  
 Registered Date : 25, Feb 2024

[Send Email](#)

### Why Choose Us

-  **Expertise in Security**  
Sed ut perspiciatis unde omnis iste natus error sit.
-  **Highly Trained Team**  
Sed ut perspiciatis unde omnis iste natus error sit.
-  **Proven Track Record**  
Sed ut perspiciatis unde omnis iste natus error sit.
-  **Security Guaranteed**  
Sed ut perspiciatis unde omnis iste natus error sit.
-  **Modern Equipments**  
Sed ut perspiciatis unde omnis iste natus error sit.
-  **Years of Experience**  
Sed ut perspiciatis unde omnis iste natus error sit.

## Out of Stock

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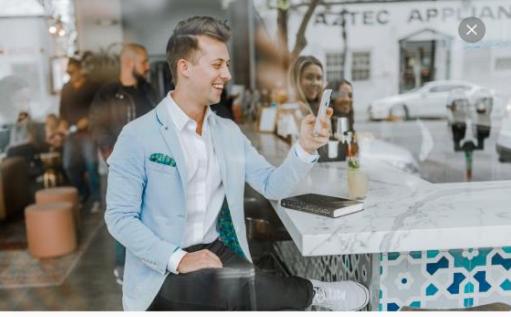
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**This Equipment is out of stock**

An email will sent automatically to the Supplier Manager

[Send Again](#)

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Amet quis rhoncus turpis phasellus. Volutpat turpis tortor blandit eget nisl. Vitae purus. Sagittis tortor fermentum.

**Email Sent Successfully**

[CONTINUE Dashboard](#)

**Resources**

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## Equipment Details

 Dashboard

 Equipment Management

 Equipment Details

 Profile Management

 Message

 Help

 Setting

Total  
614

Available  
124

Unavailable  
504



### Uniforms



### Two-Way Radio

Total  
105

Available  
48

Unavailable  
55



### Batons

Total  
105

Available  
48

Unavailable  
55

[View All](#)

## Profile Management

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# Profile Management



**Sithira Sasanka**  
sithira002@gmail.com

Name	your name
Employee ID	your ID
Mobile number	Add number
Email account	yourname@gmail.com



**Dinura Nethmina**  
dinura002@gmail.com

Name	your name
Employee ID	your ID
Mobile number	Add number
Email account	yourname@gmail.com

Assigned Equipment			
	Uniform April 9, 2022		
	Pistol April 9, 2022		
	Teaser April 9, 2022		
	Two-Way Radio April 9, 2022		
	Vest April 9, 2022		

Assigned Equipment			
	Uniform April 9, 2022		
	Pistol April 9, 2022		
	Teaser April 9, 2022		
	Two-Way Radio April 9, 2022		

## IT22197146 – Ranasinghe R. A. R. V. C | Leave Management

### Leave Request Form

#### New Leave Request

Full name

Employee ID

Rank

Leave type

From

To

Reason

**Submit**

**Cancel**

## Leave Request Dashboard

### My Requests

[+new request](#)

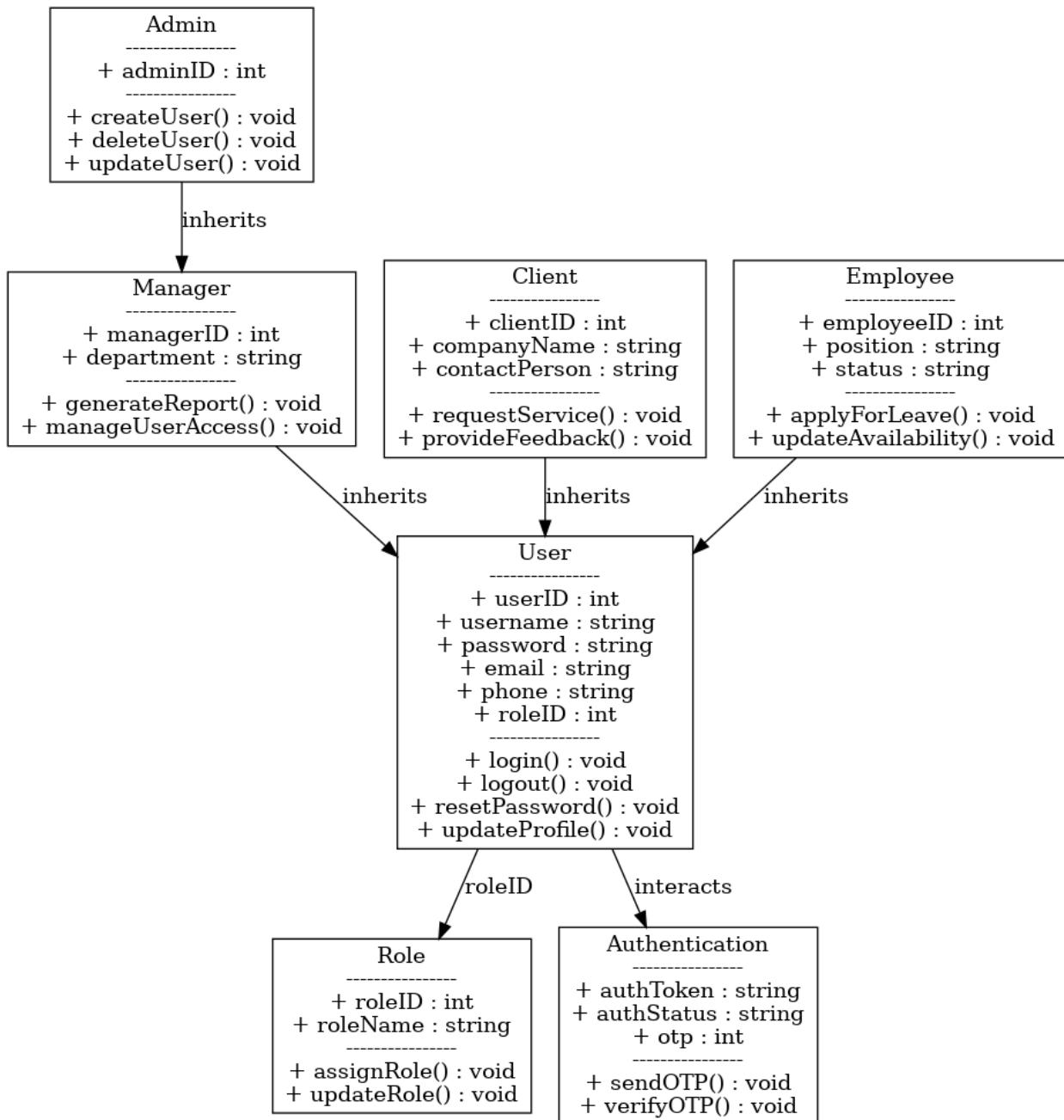
#### Details

Type	Details	Status	Approved by	Requested on
Annual	Leave	Approved	Mr.Nimal Jayakodi	22/03/24
Annual	Leave	Approved	Mr.Kasun Perera	12/05/24
Sick	Leave	Approved	Ms.Nimnawi Gomes	18/06/24
Annual	Leave	Approved	Ms.Nilani Dias	26/06/24

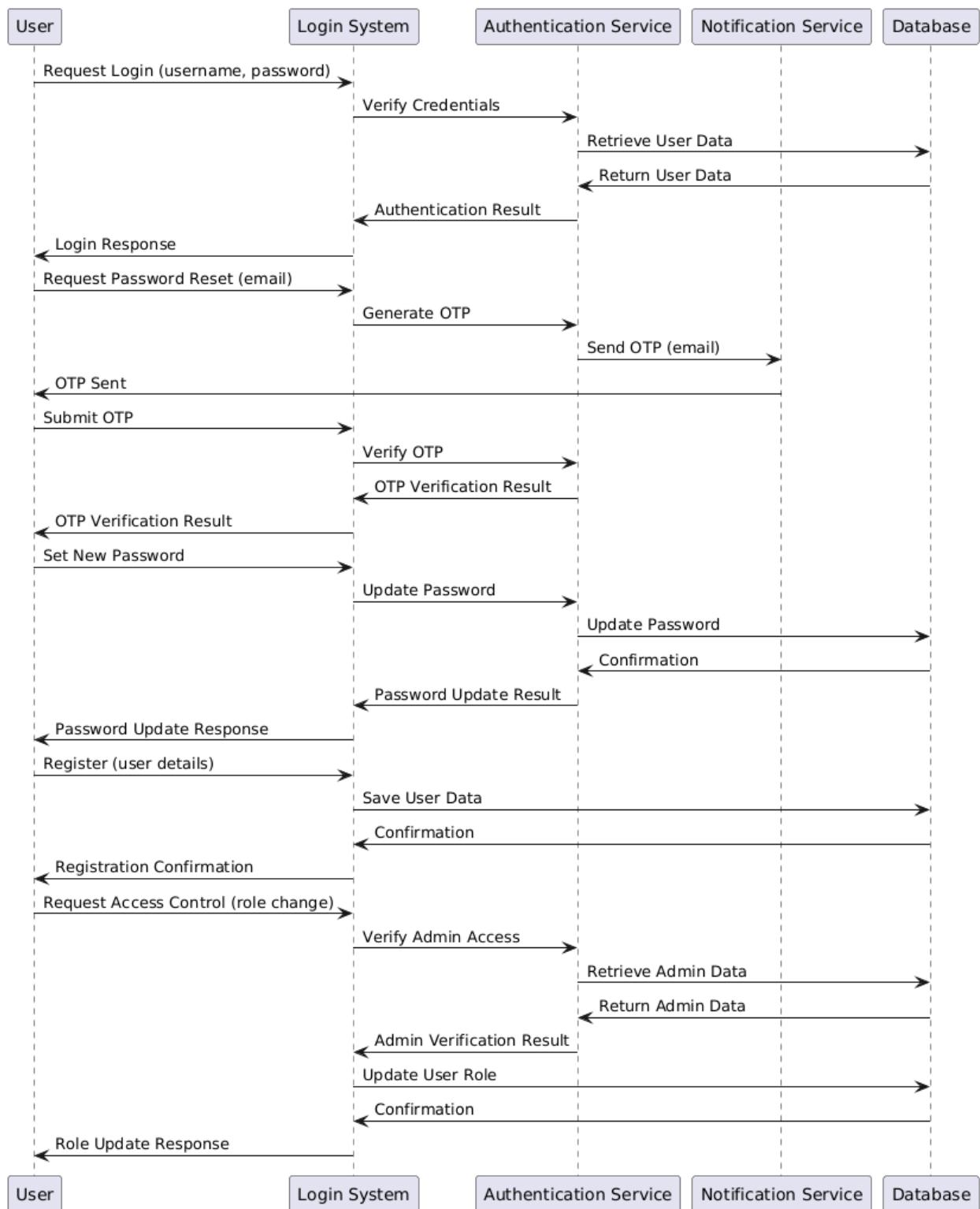
## UML Diagrams

IT22325228 – Fernando K. K. C | User Management

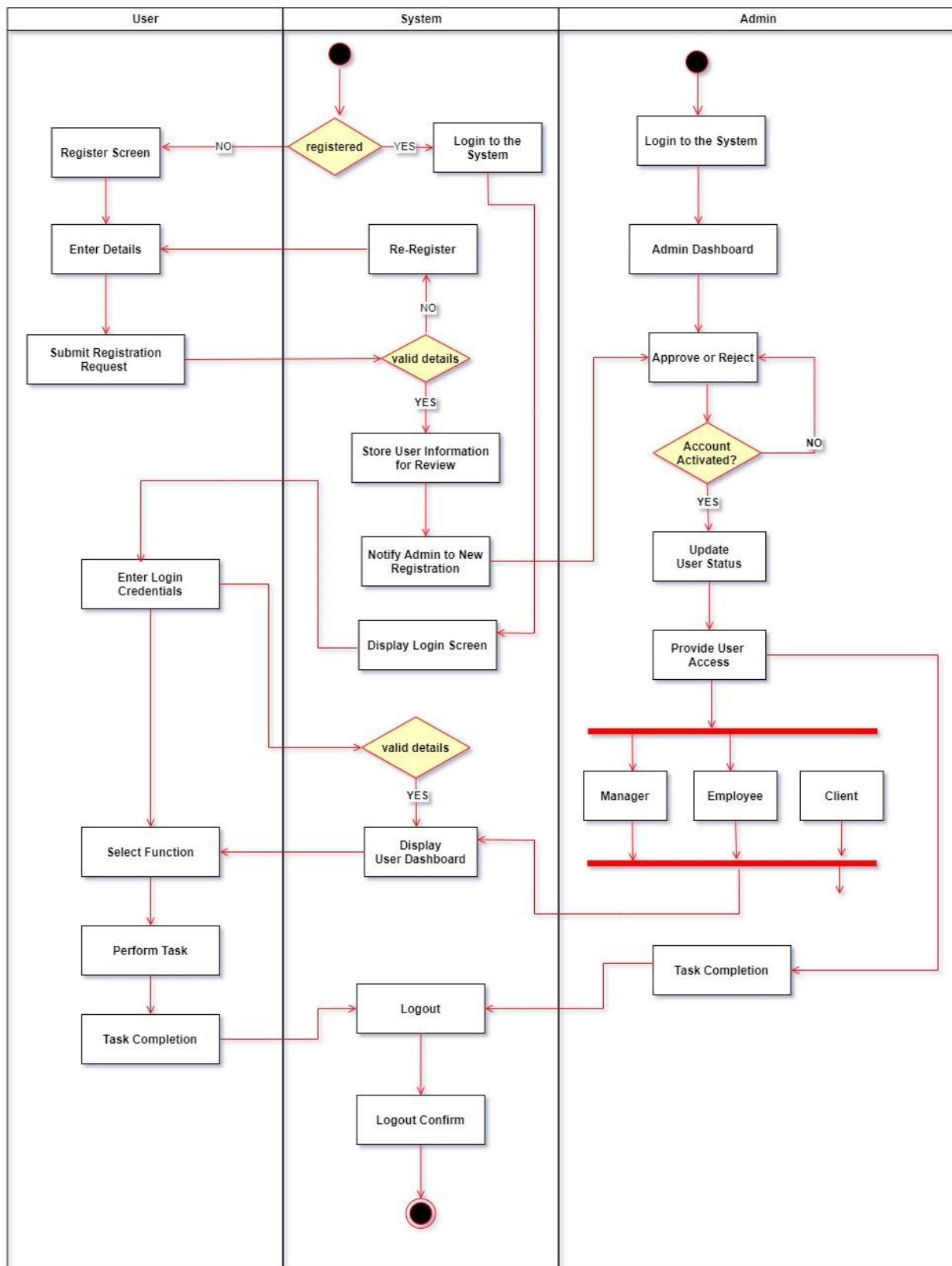
### Class Diagram



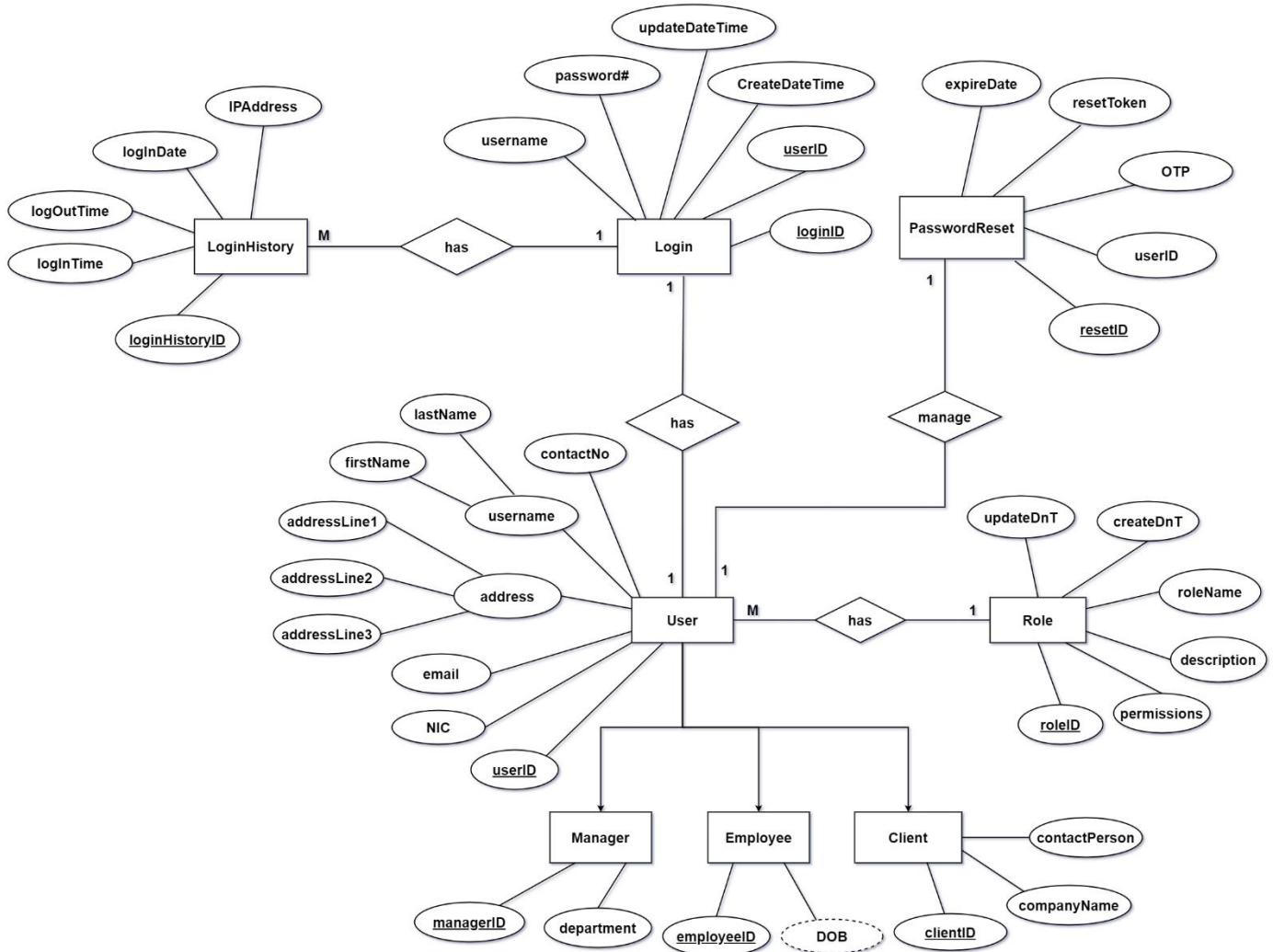
## Sequence Diagram



## Activity Diagram

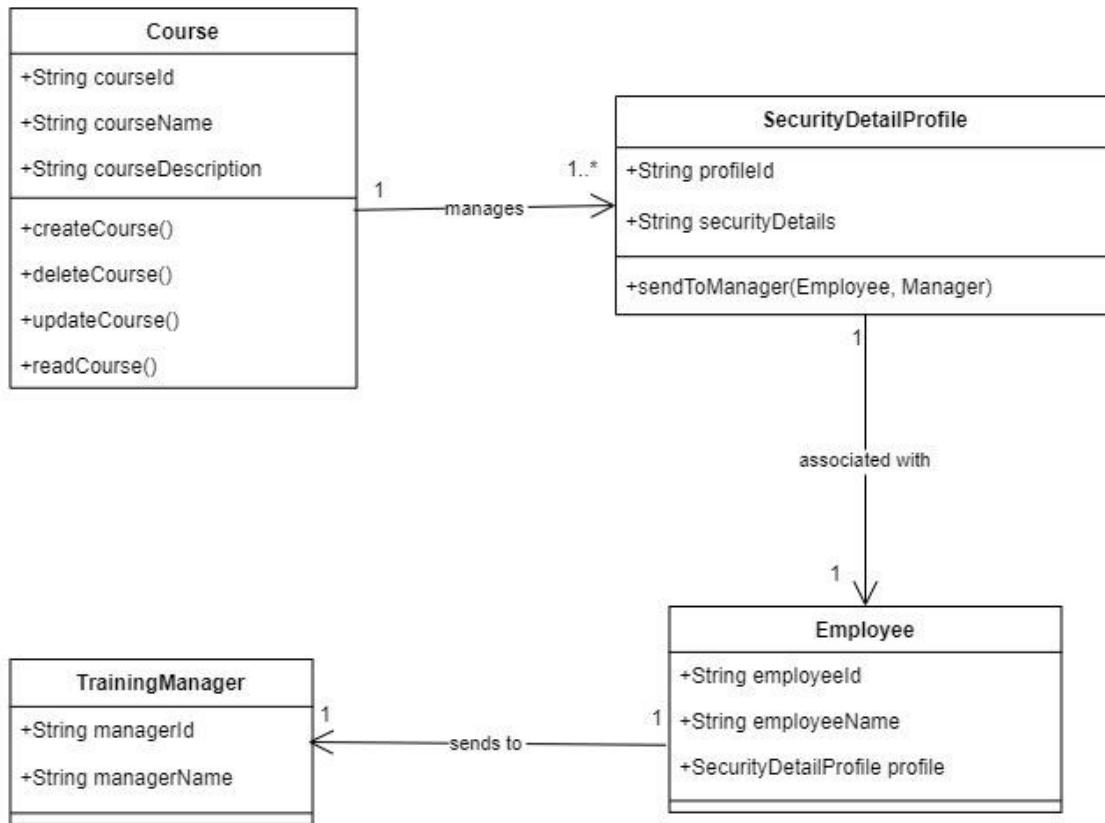


## ER Diagram

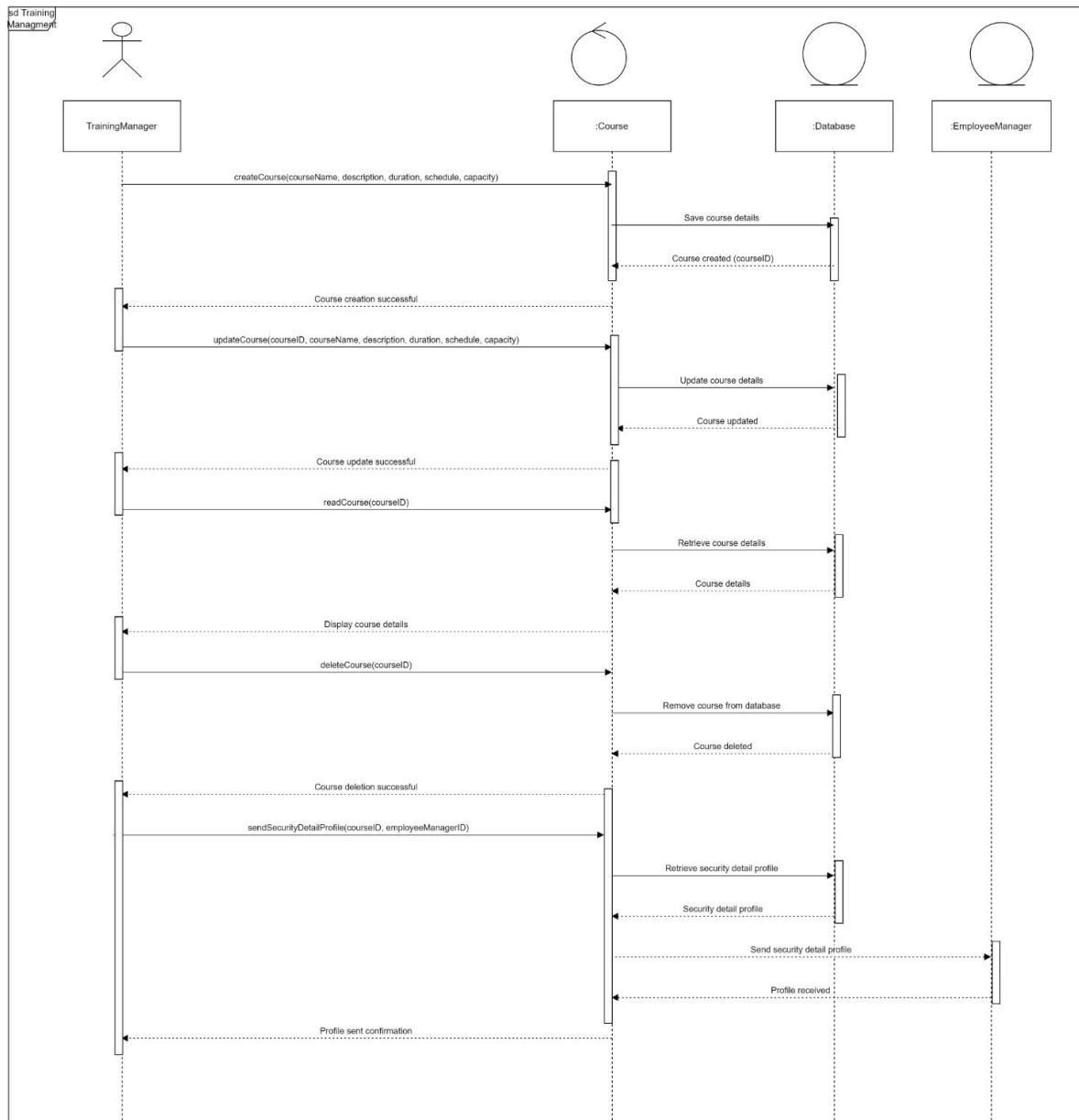


# IT22907998 – Sadisha R. M. M | Training Management

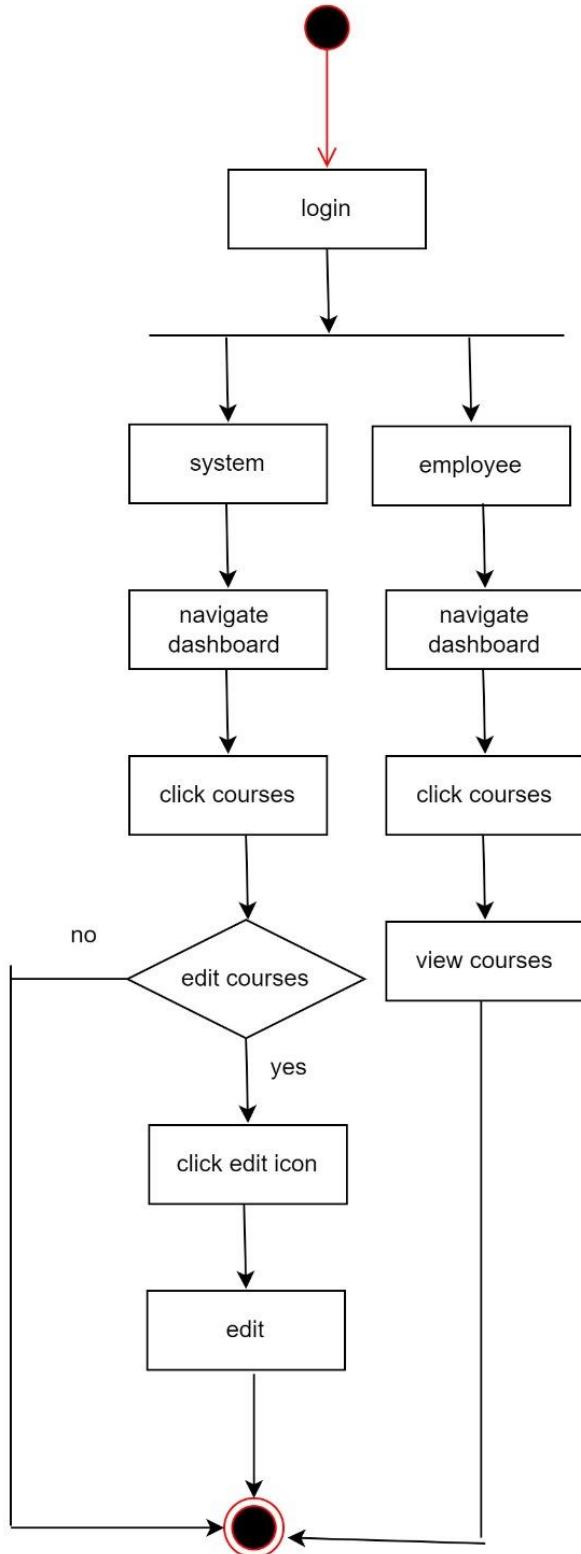
## Class Diagram



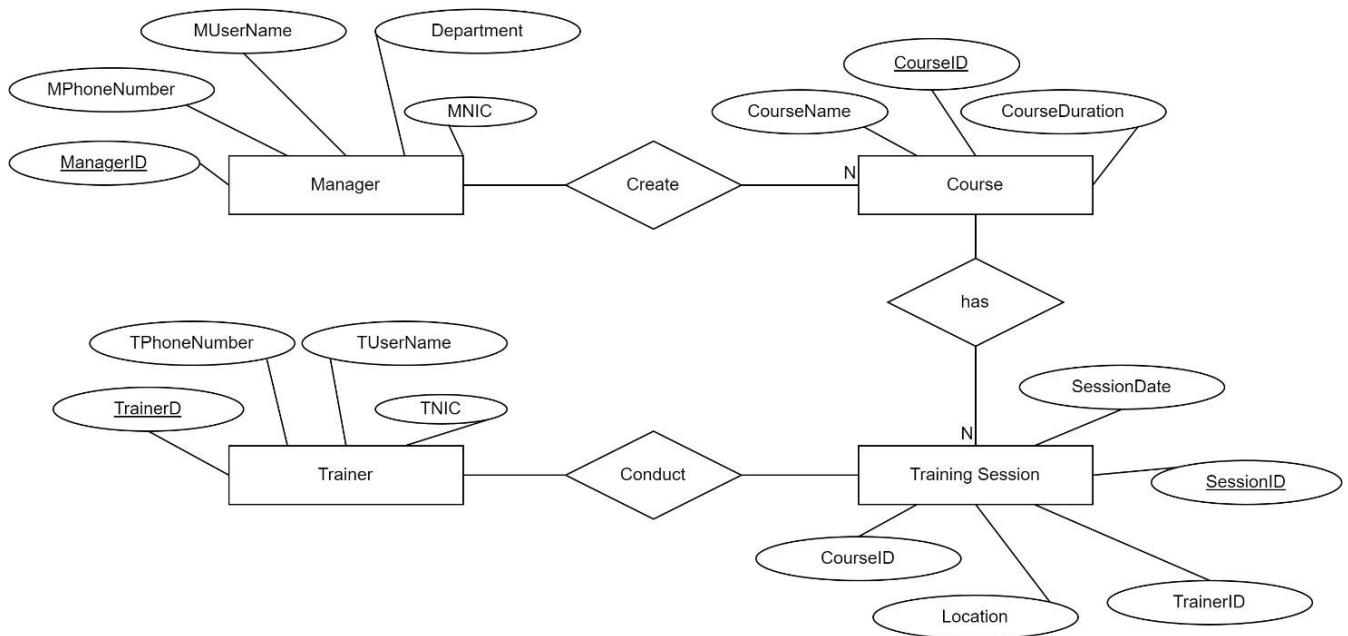
## Sequence Diagram



## Activity Diagram

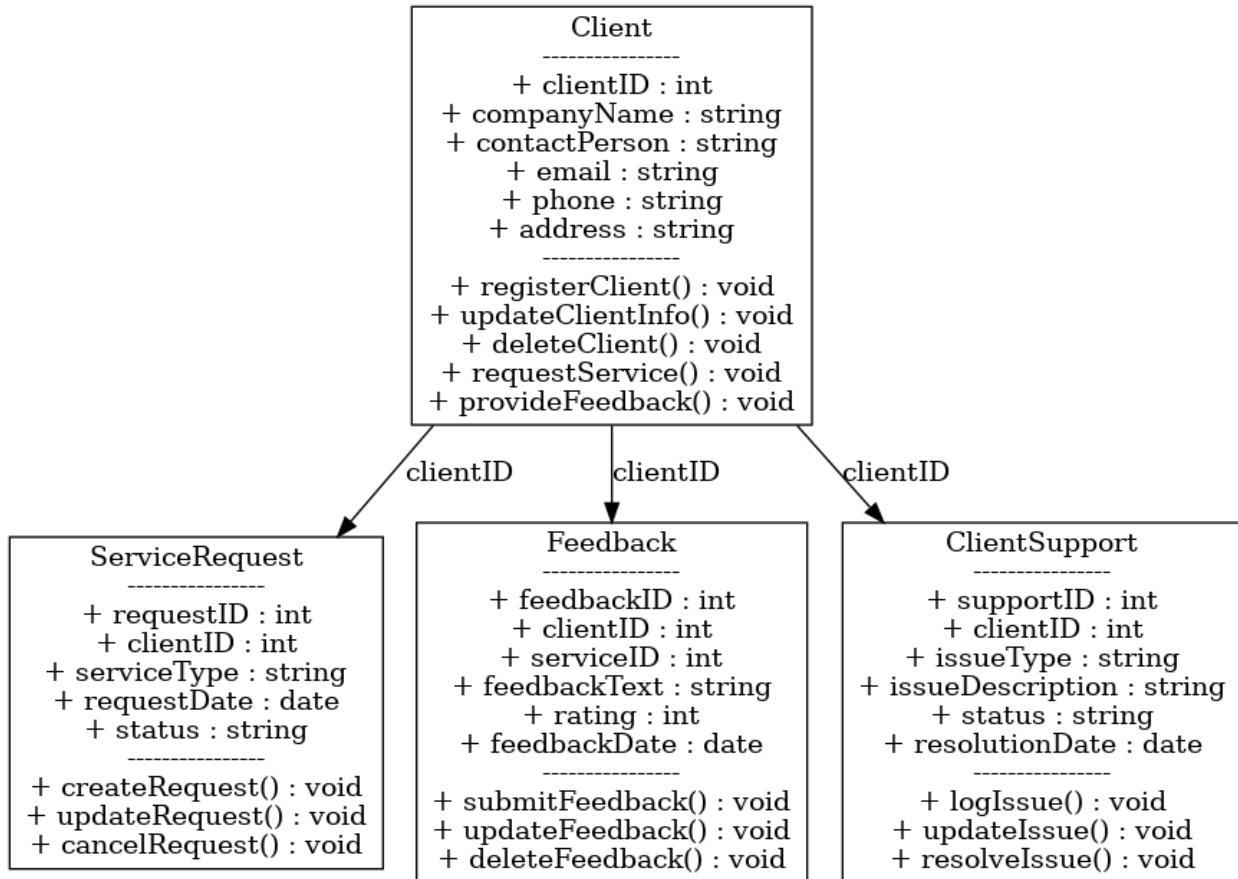


## ER Diagram

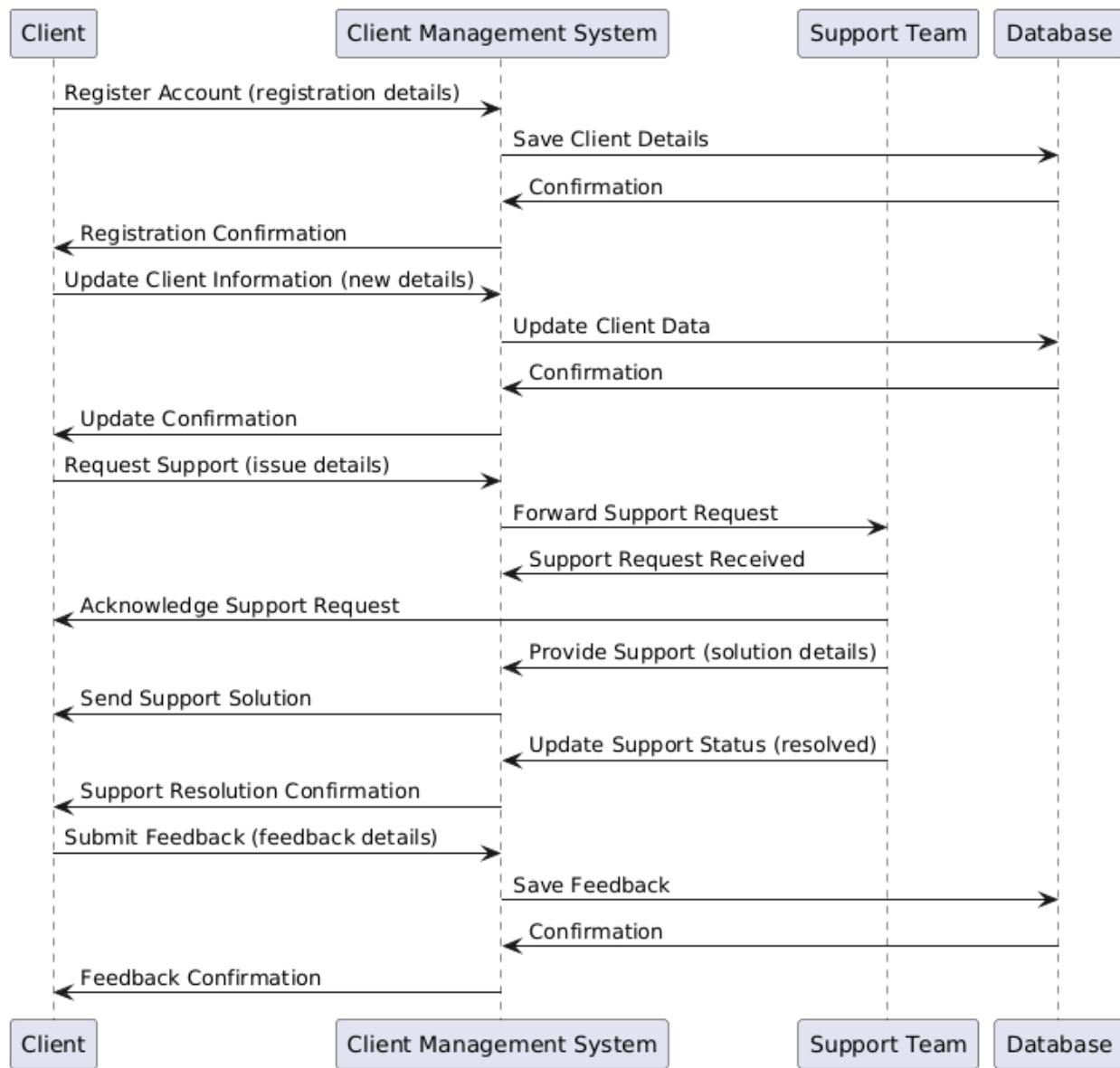


# IT20145552 – Dissanayaka D. M. S. M | Client Management

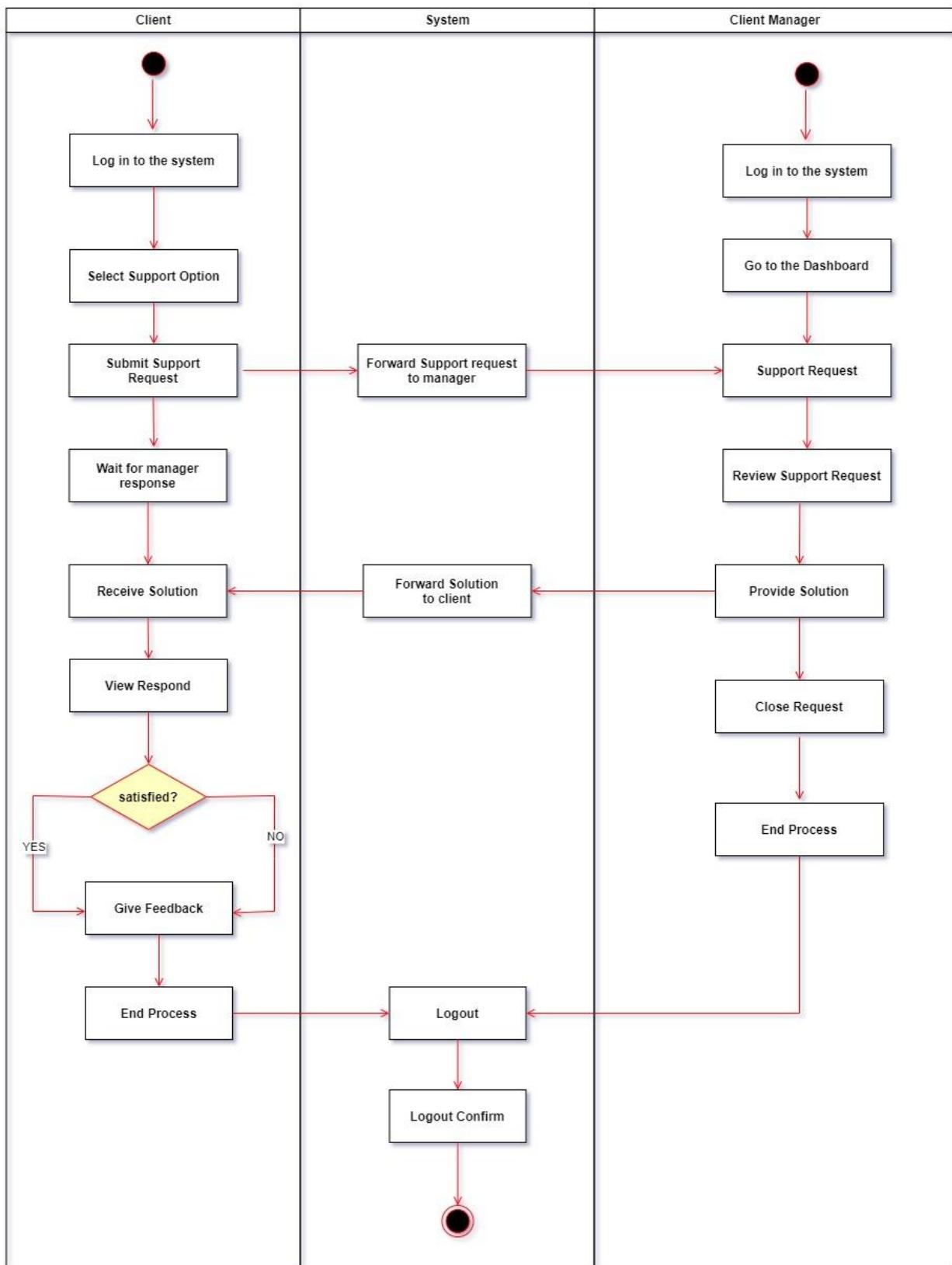
## Class Diagram



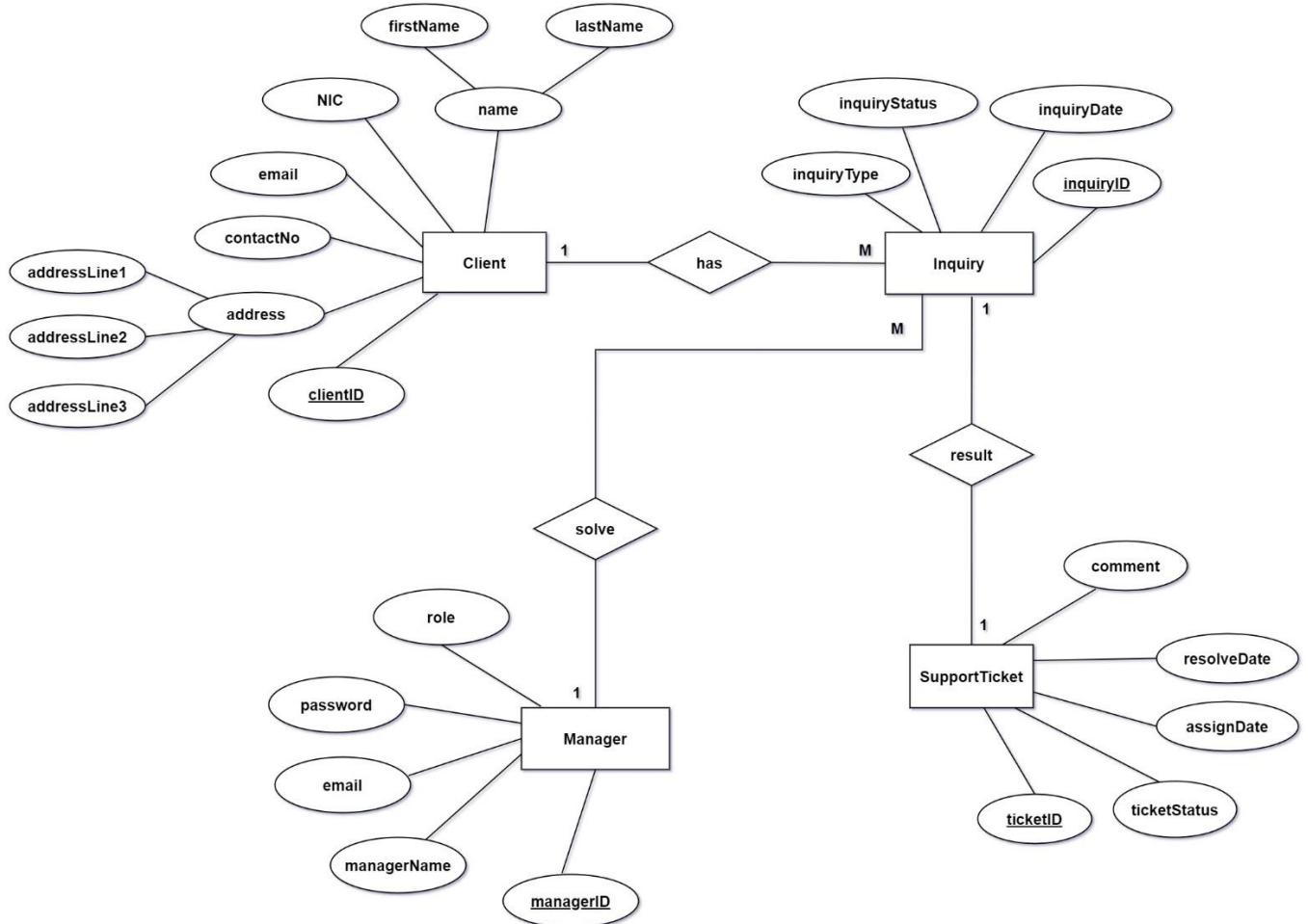
## Sequence Diagram



## Activity Diagram

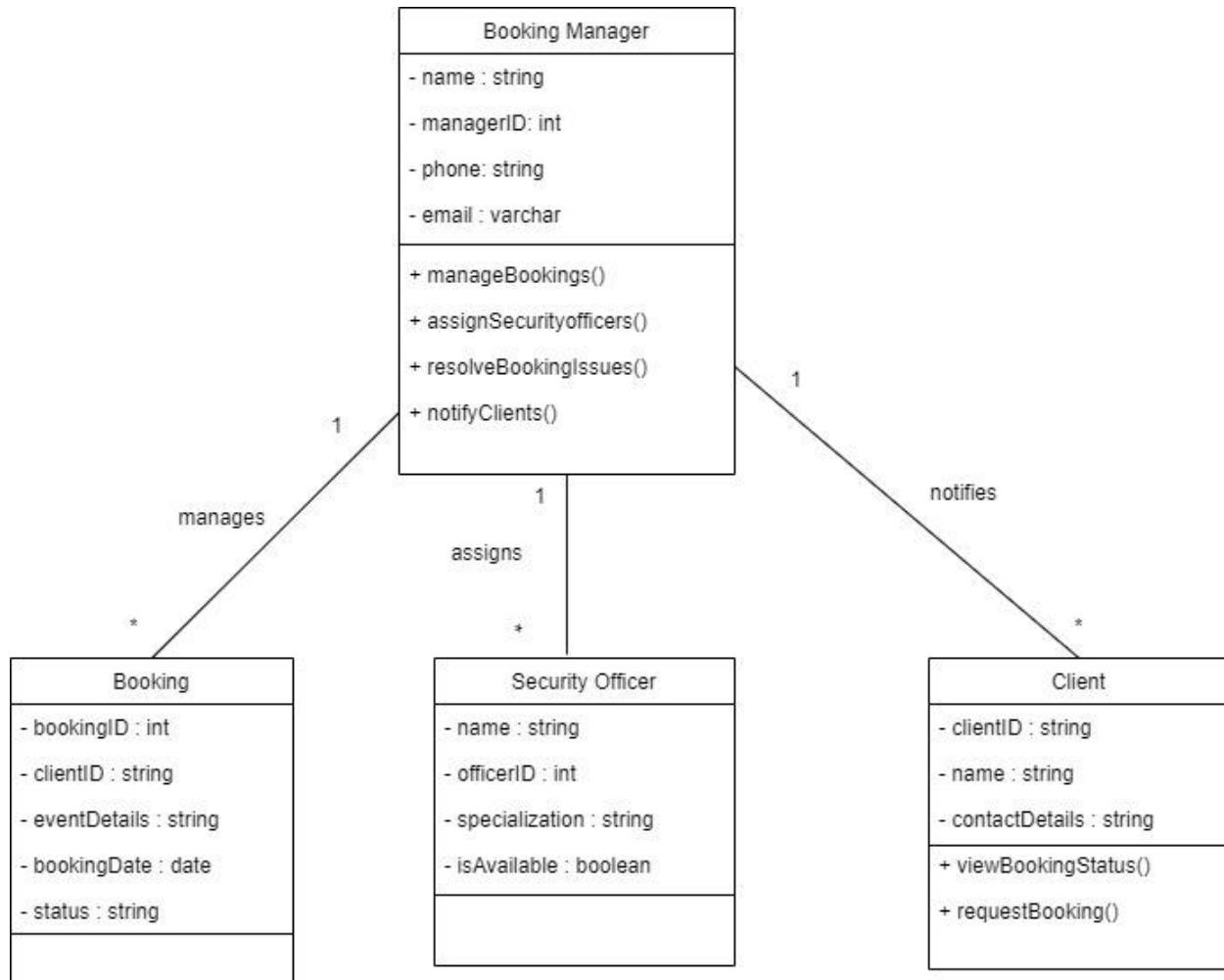


## ER Diagram

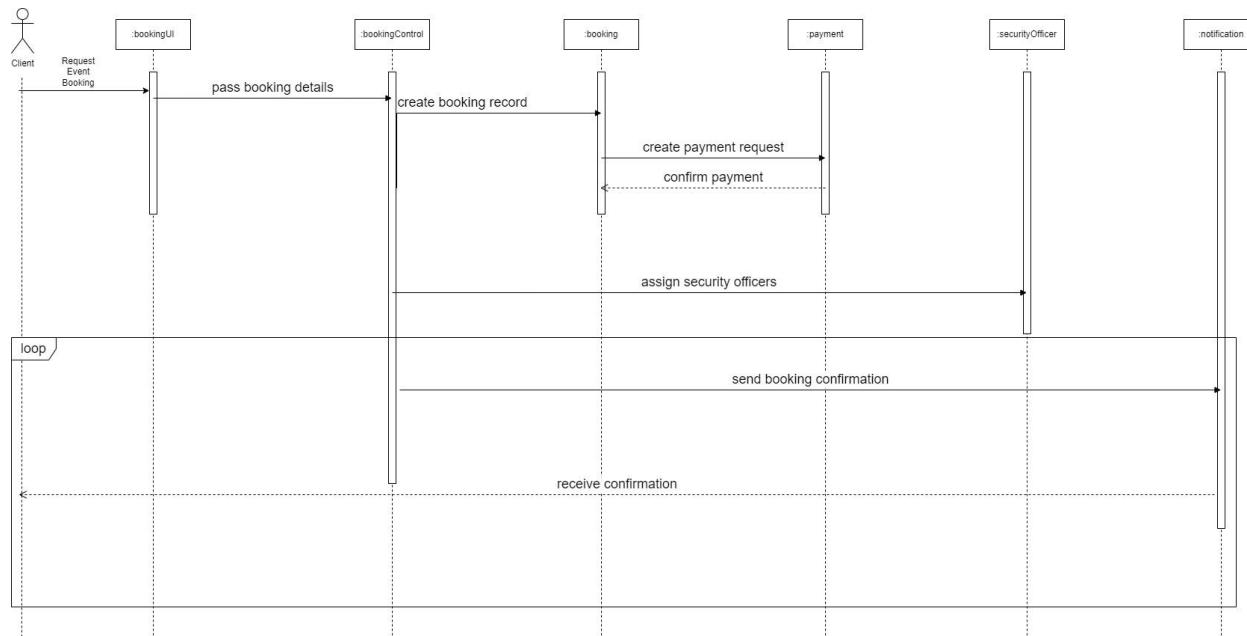


# IT22257086 – Randiw. E. Y | Booking Management

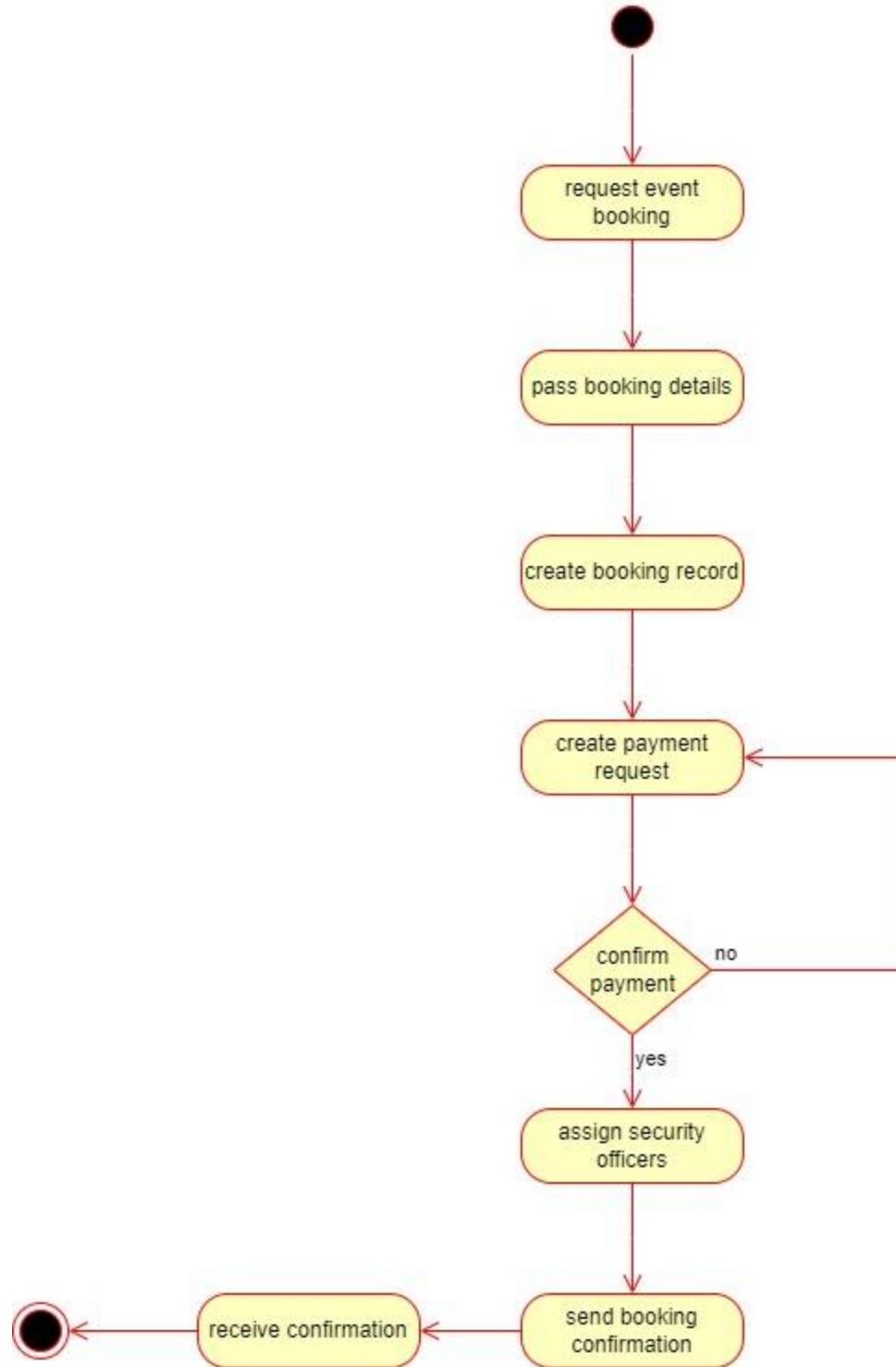
## Class Diagram



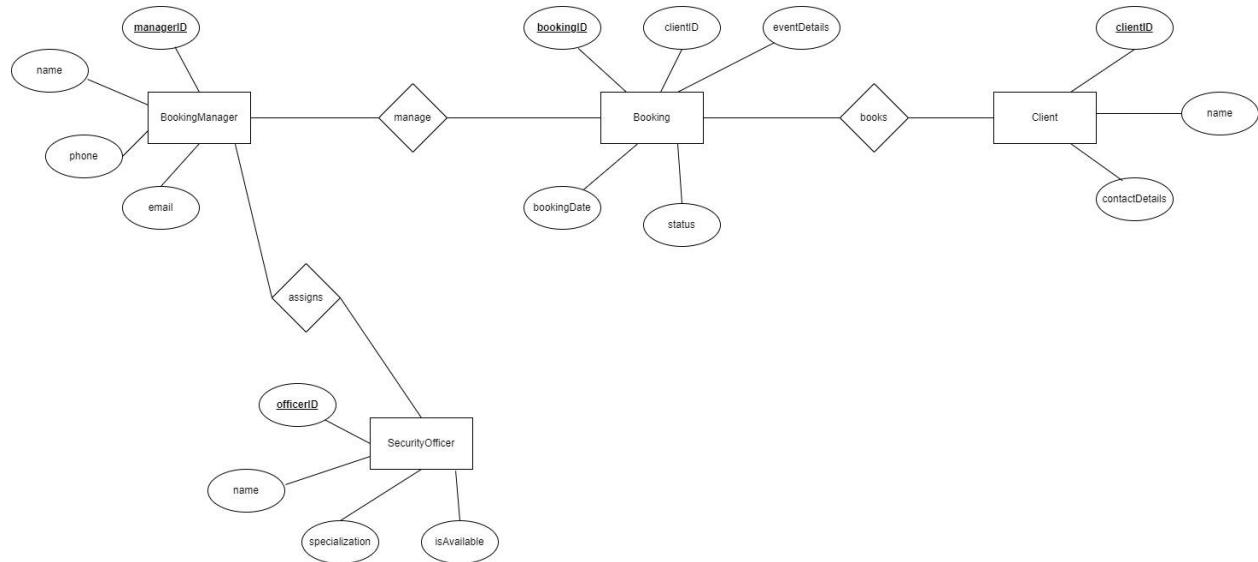
## Sequence Diagram



## Activity Diagram

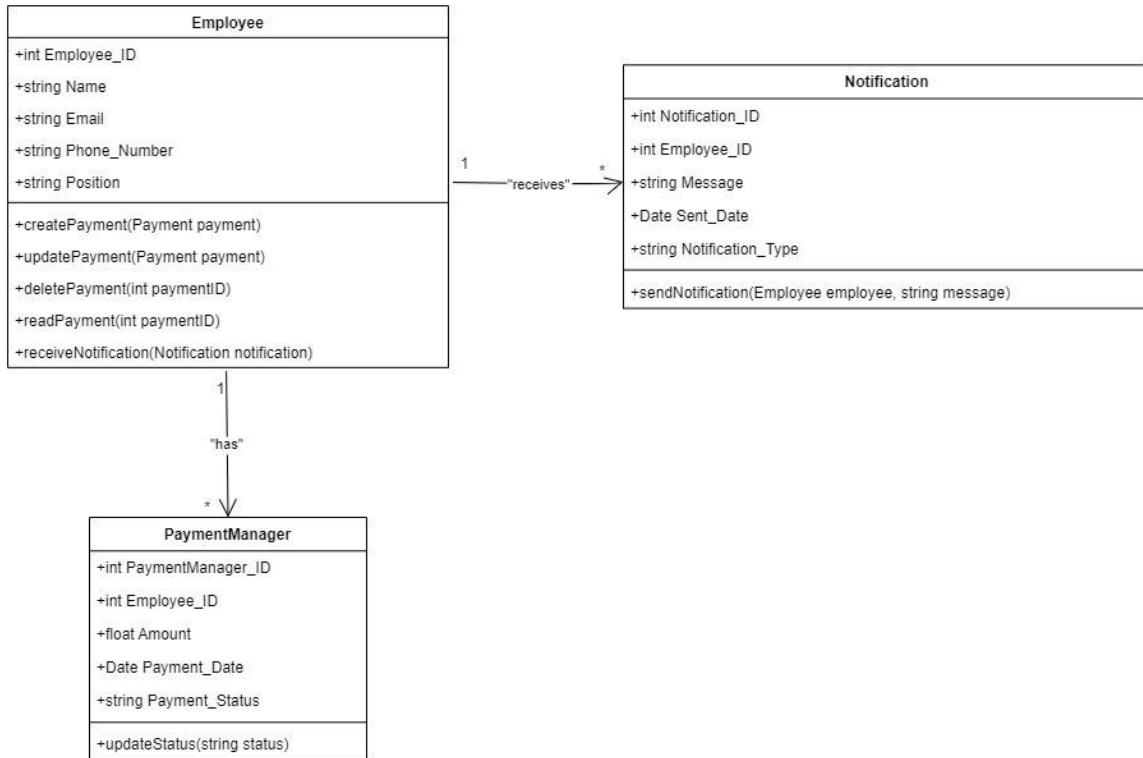


## ER Diagram

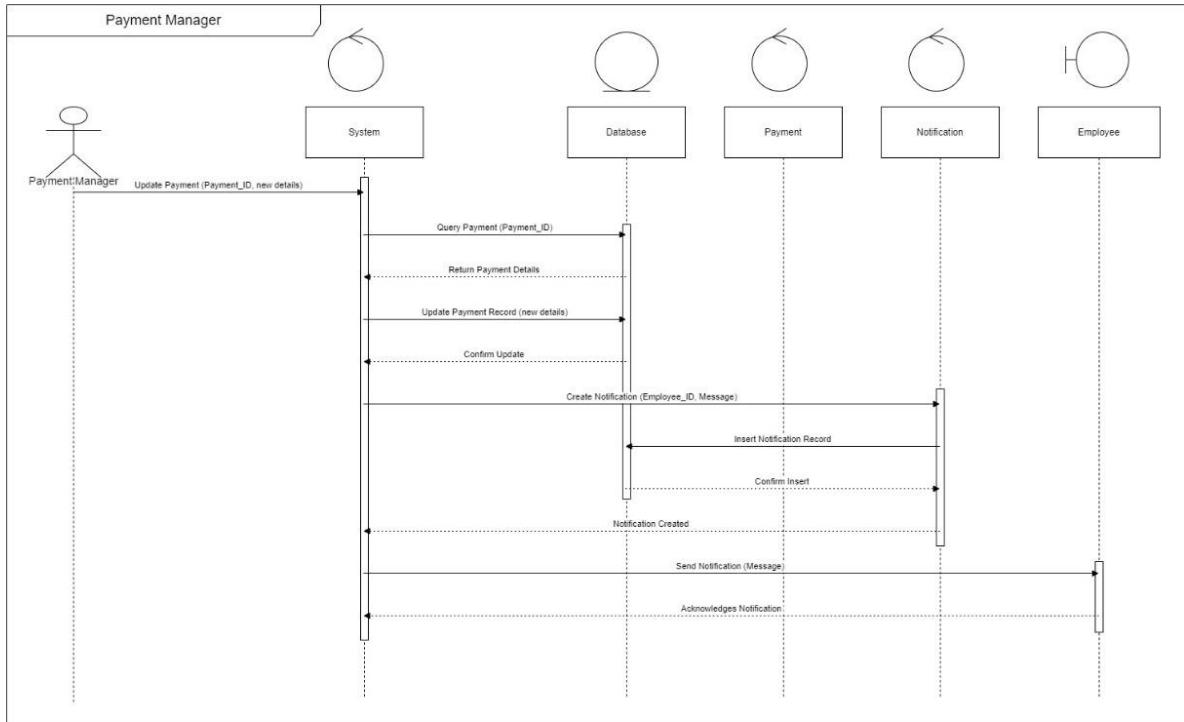


# IT22293480 – Jayodhya J. D. H | Payment Management

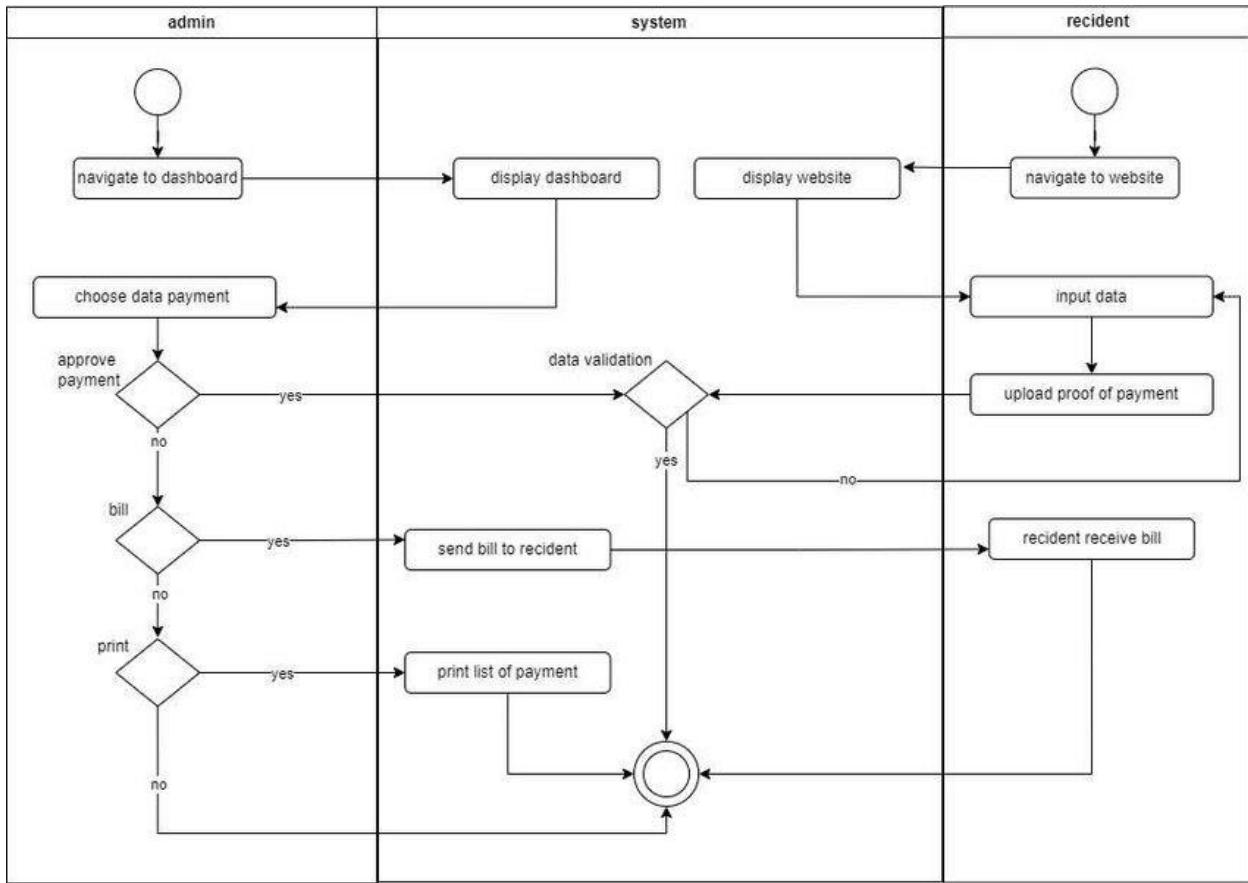
## Class Diagram



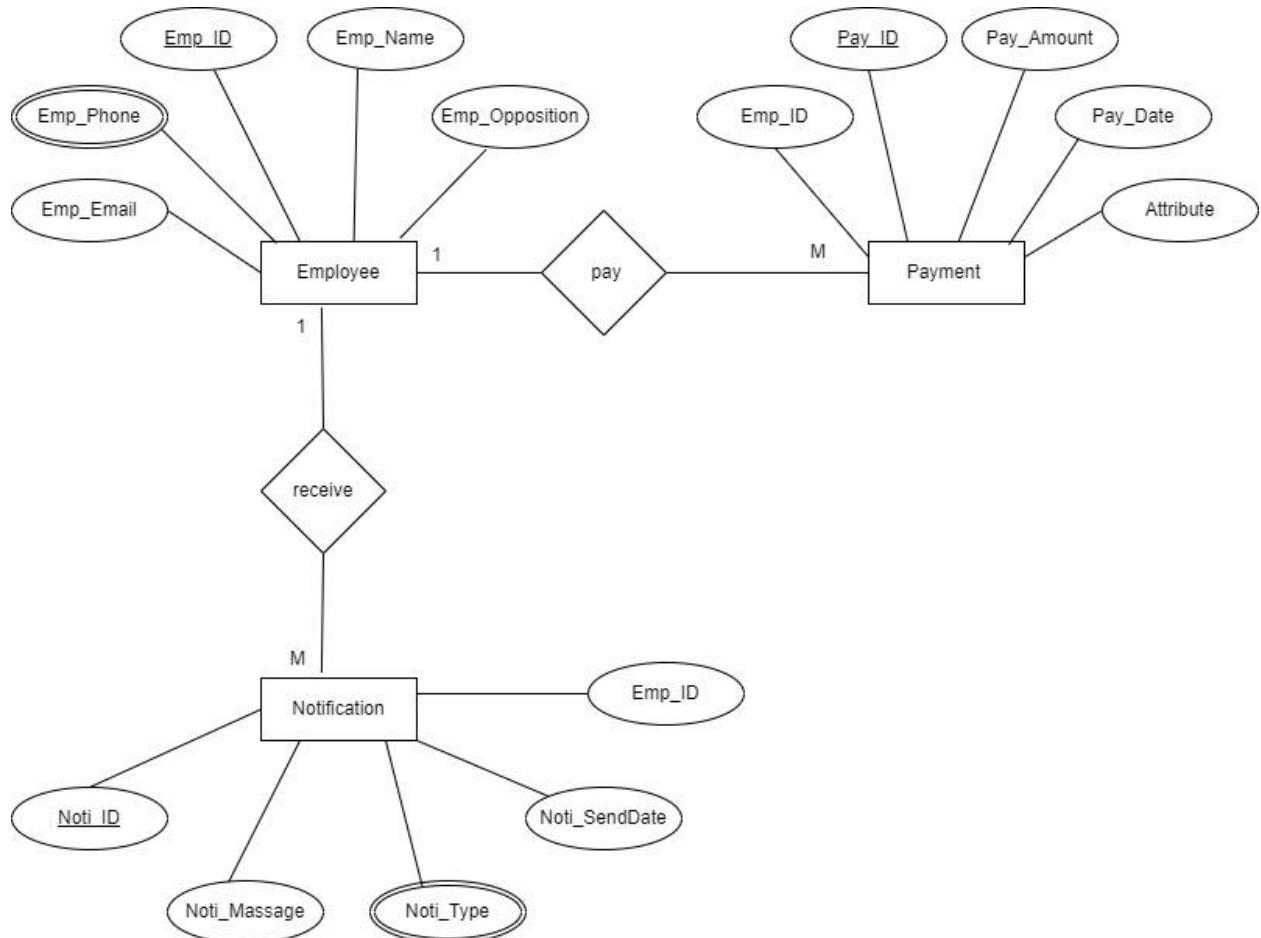
## Sequence Diagram



## Activity Diagram

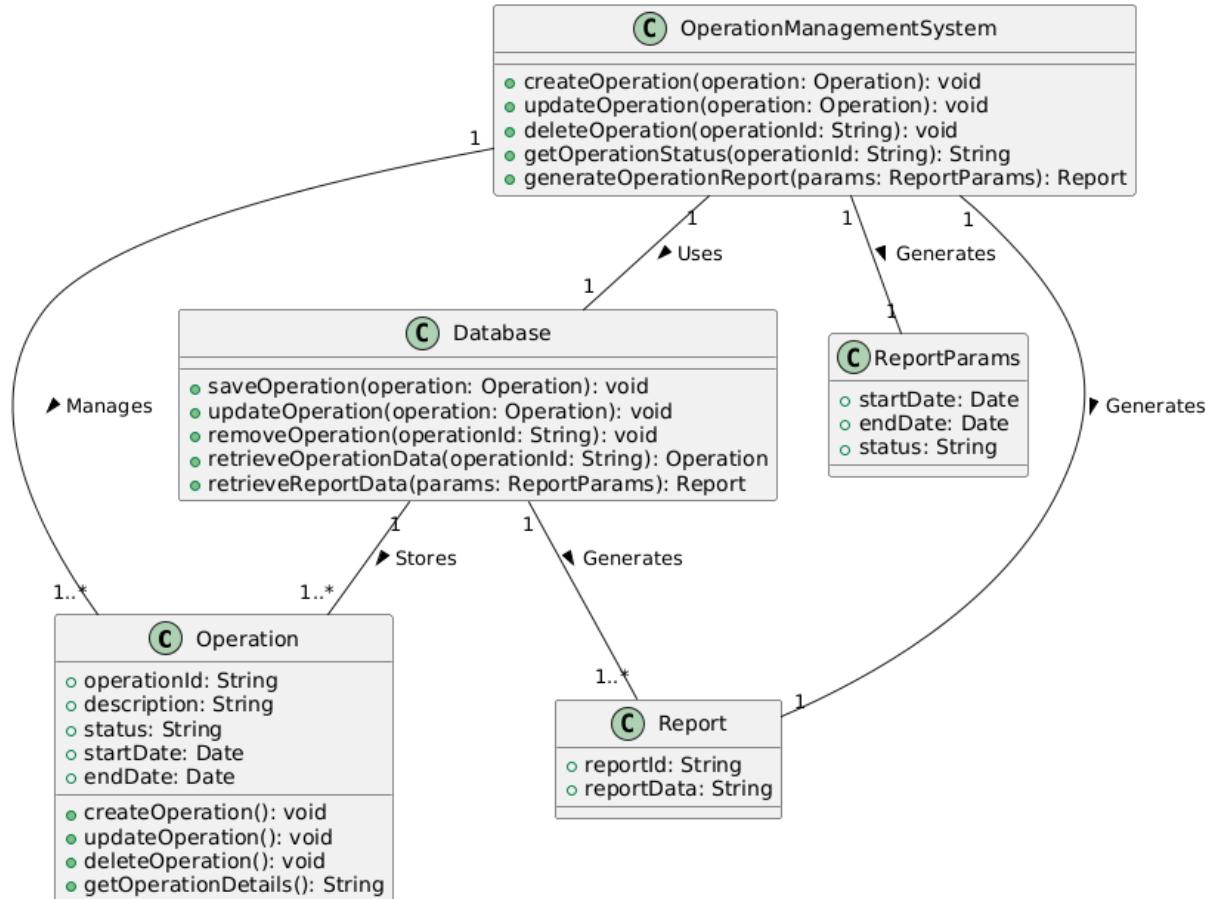


## ER Diagram

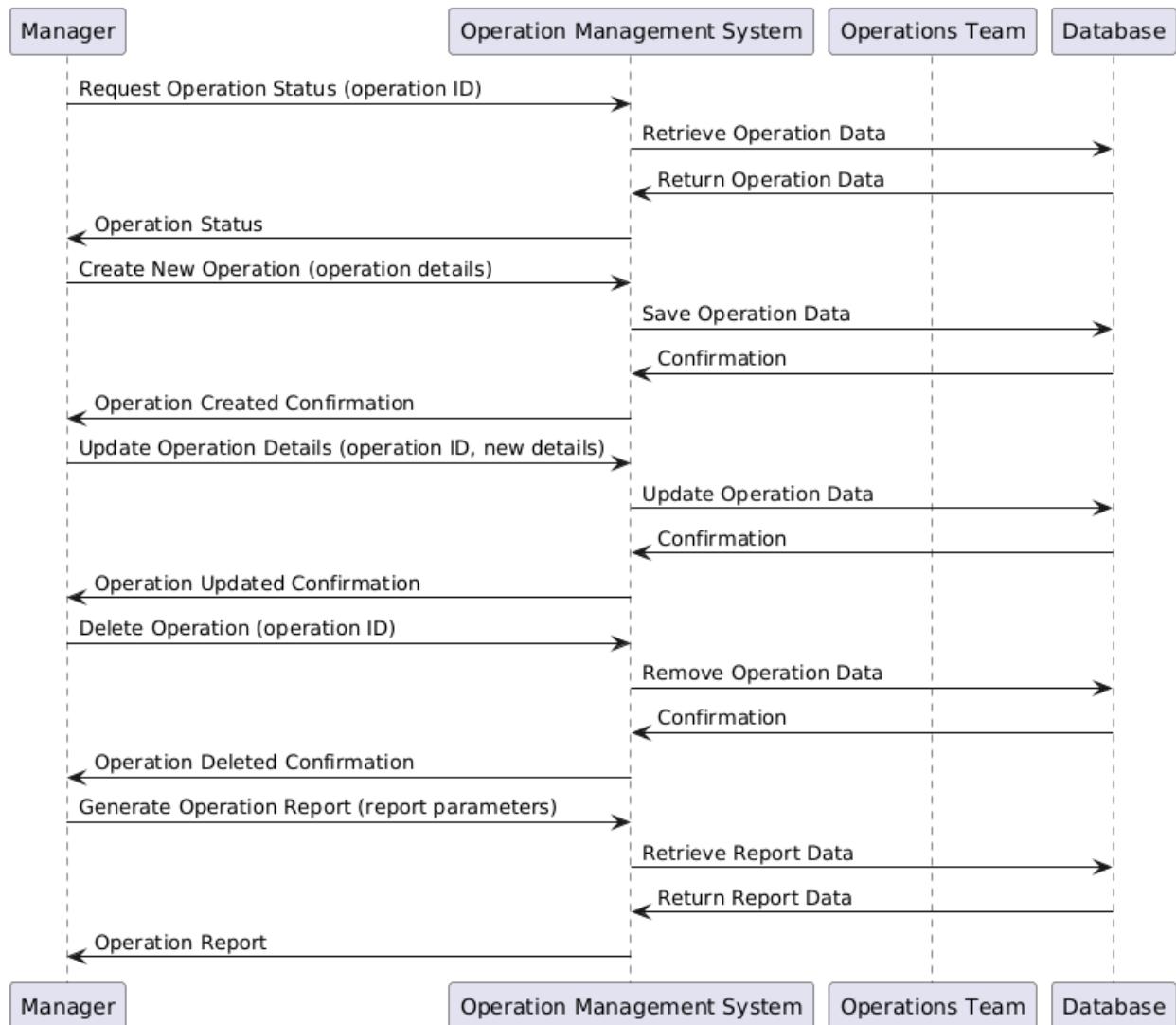


# IT22127082 – Medawatte W. W. M. T. N. B | Operation Management

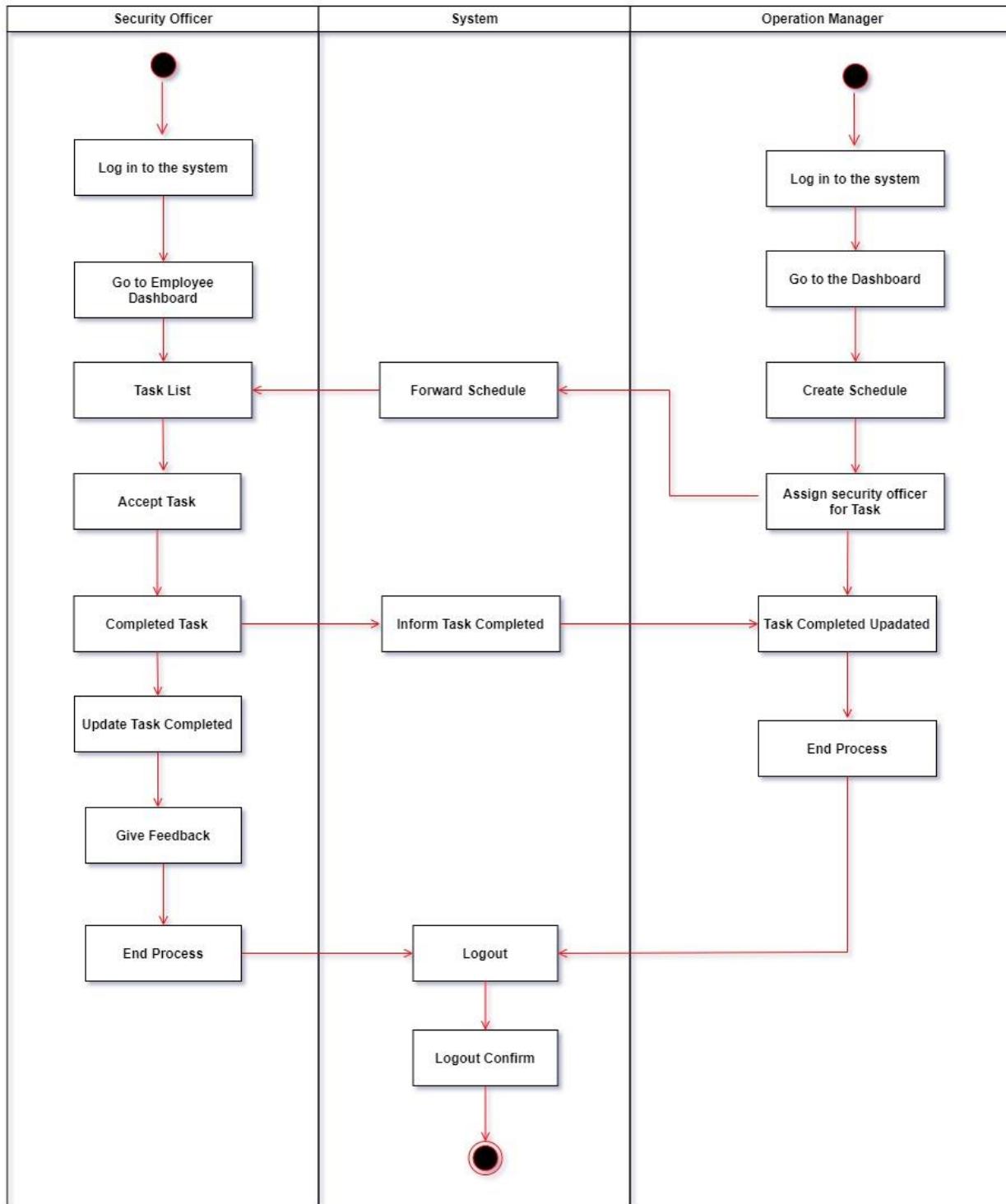
## Class Diagram



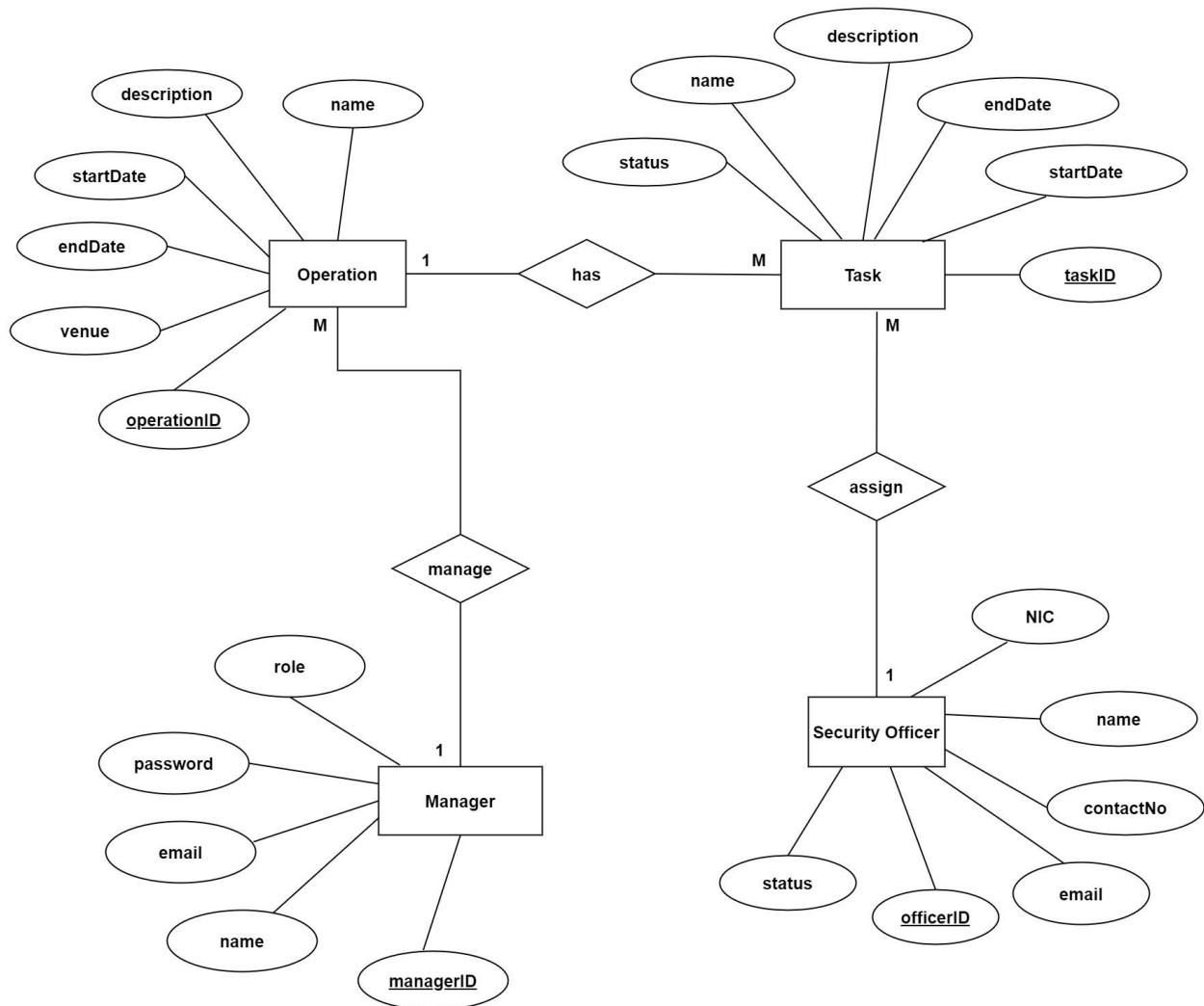
## Sequence Diagram



## Activity Diagram

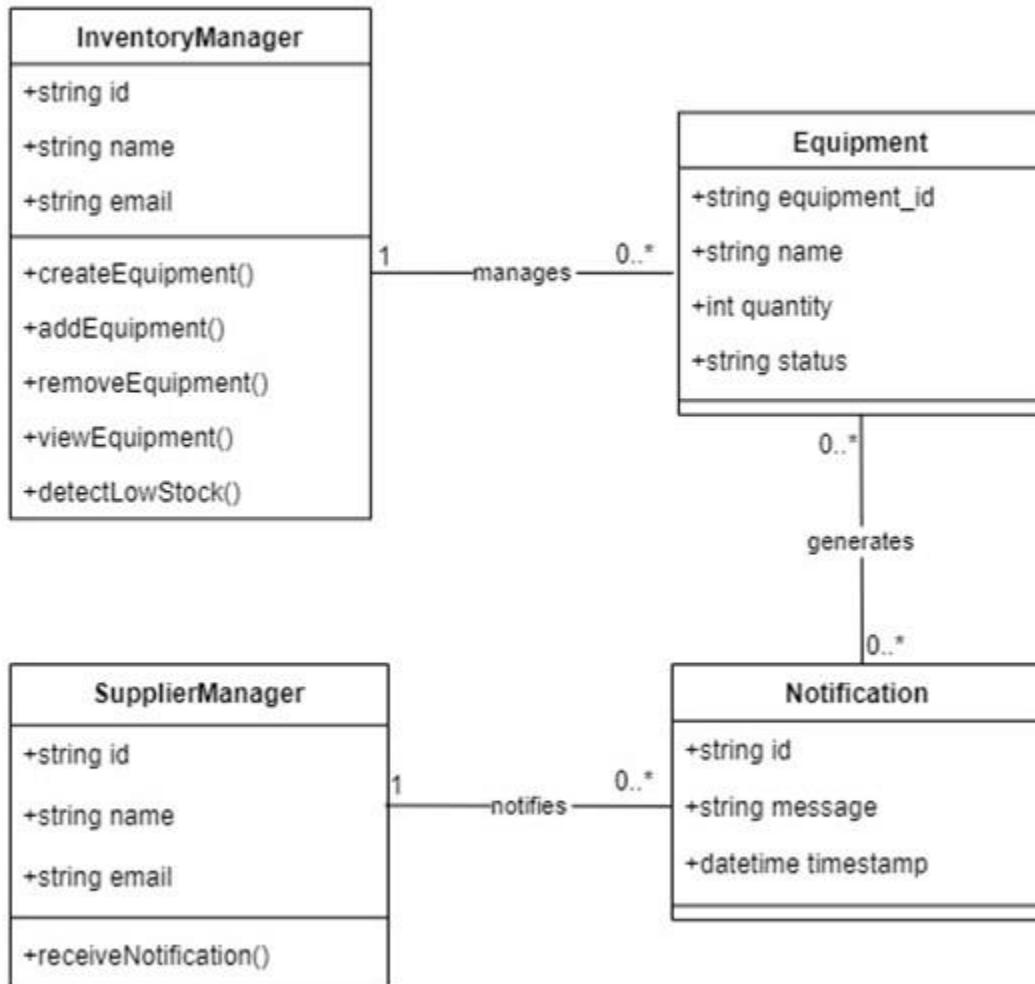


## ER Diagram

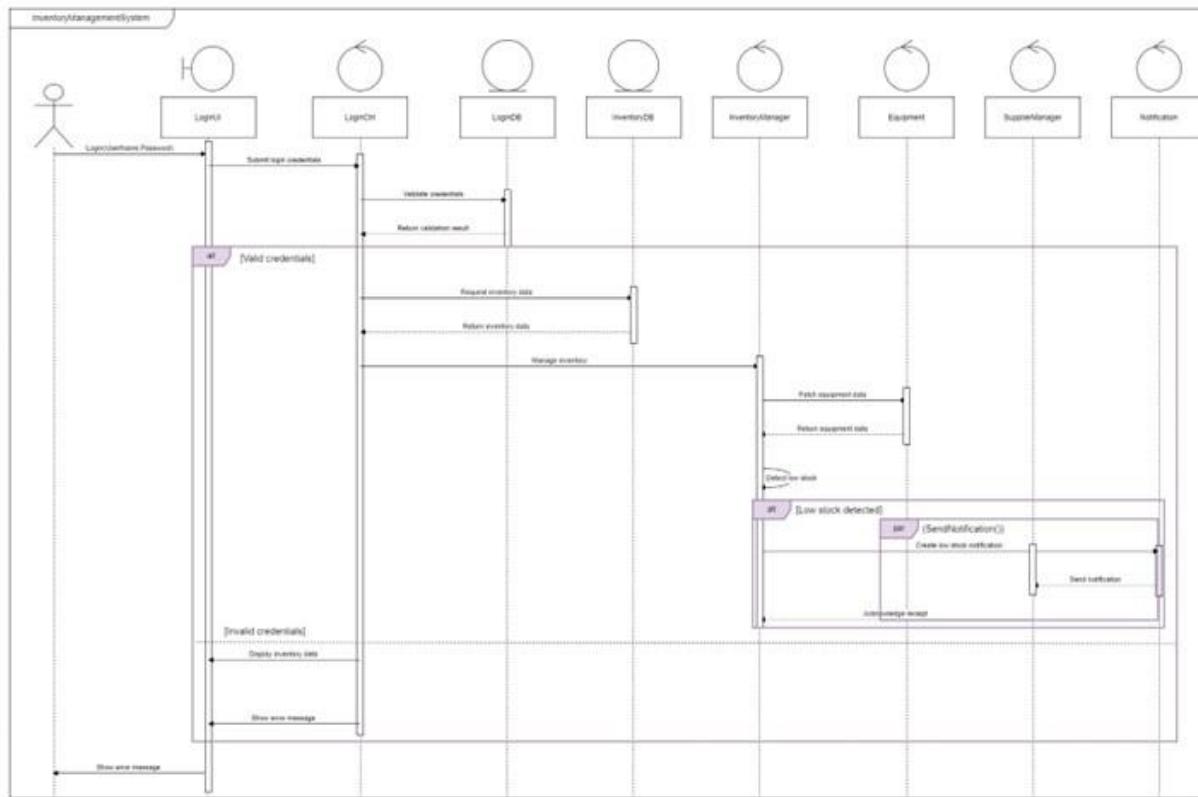


# IT22132628 – Kusumsiri P. A. S. S | Inventory Management

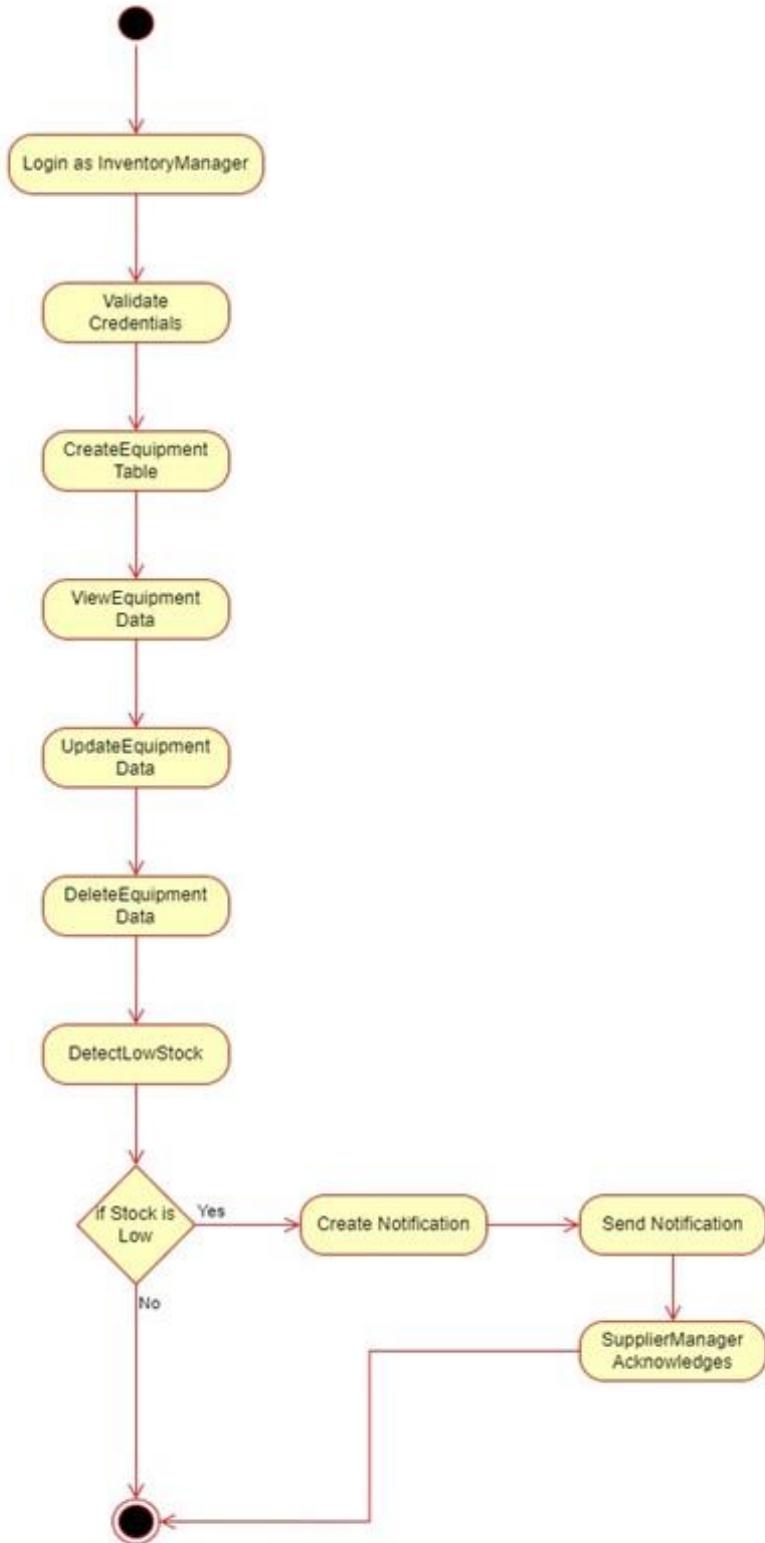
## Class Diagram



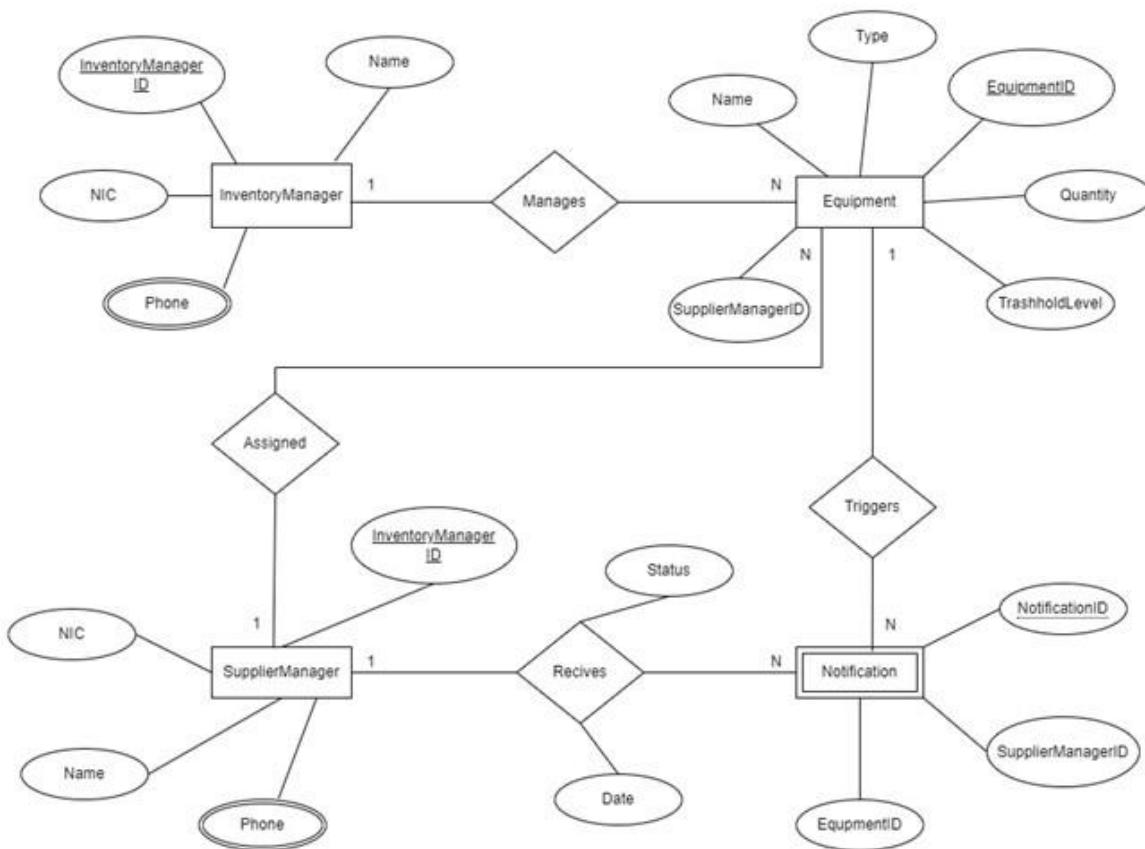
## Sequence Diagram



## Activity Diagram

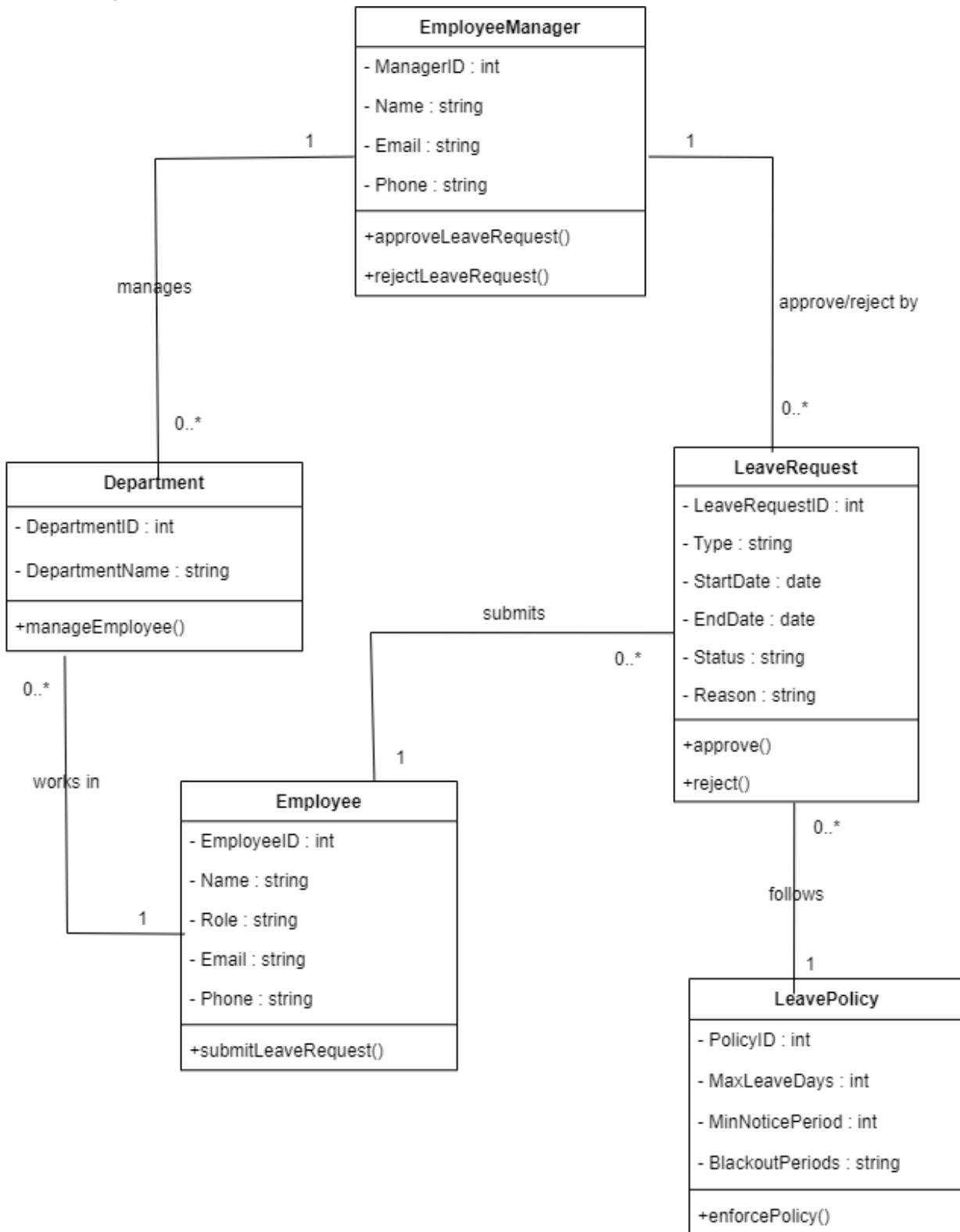


## ER Diagram

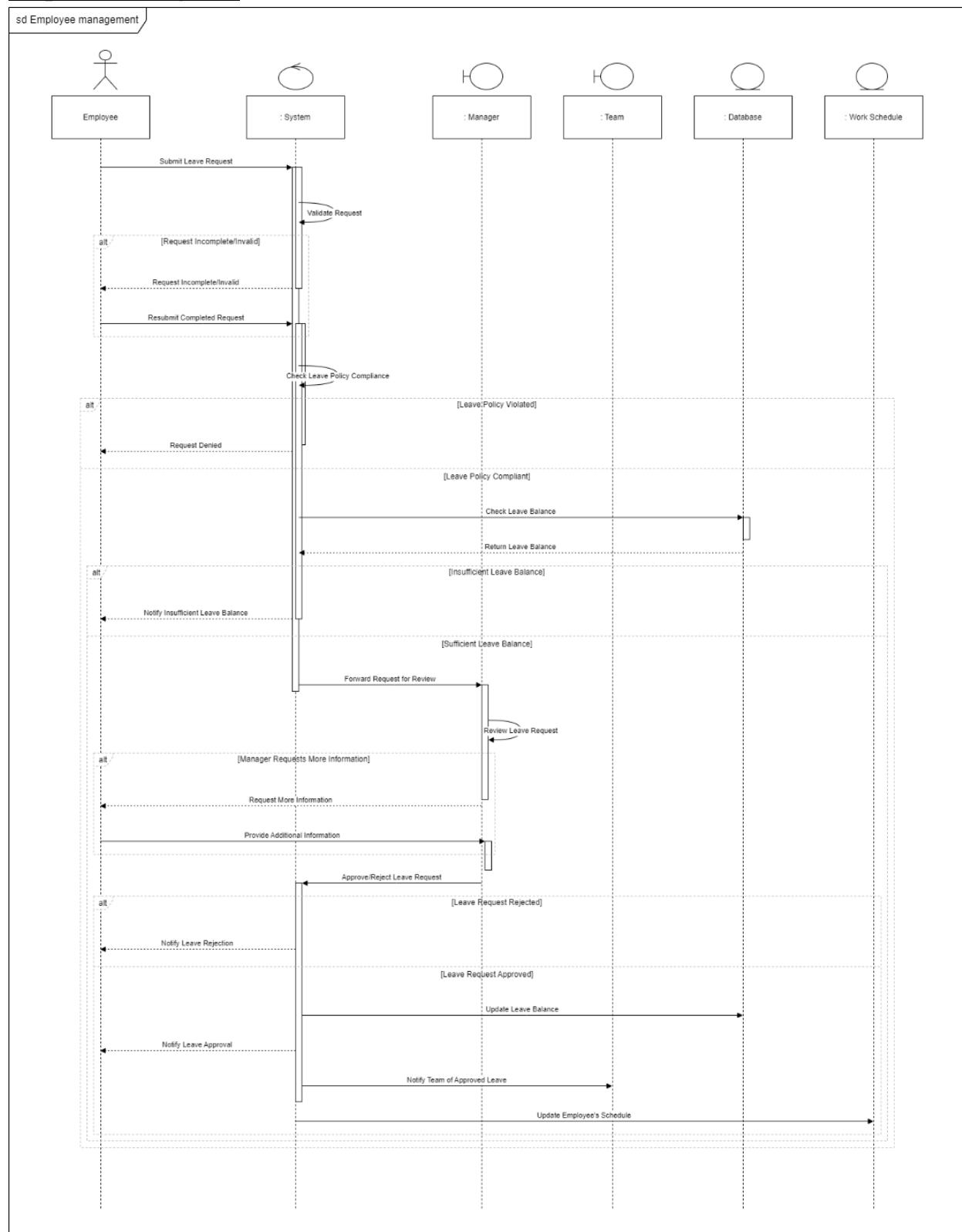


# IT22197146 – Ranasinghe R. A. R. V. C | Leave Management

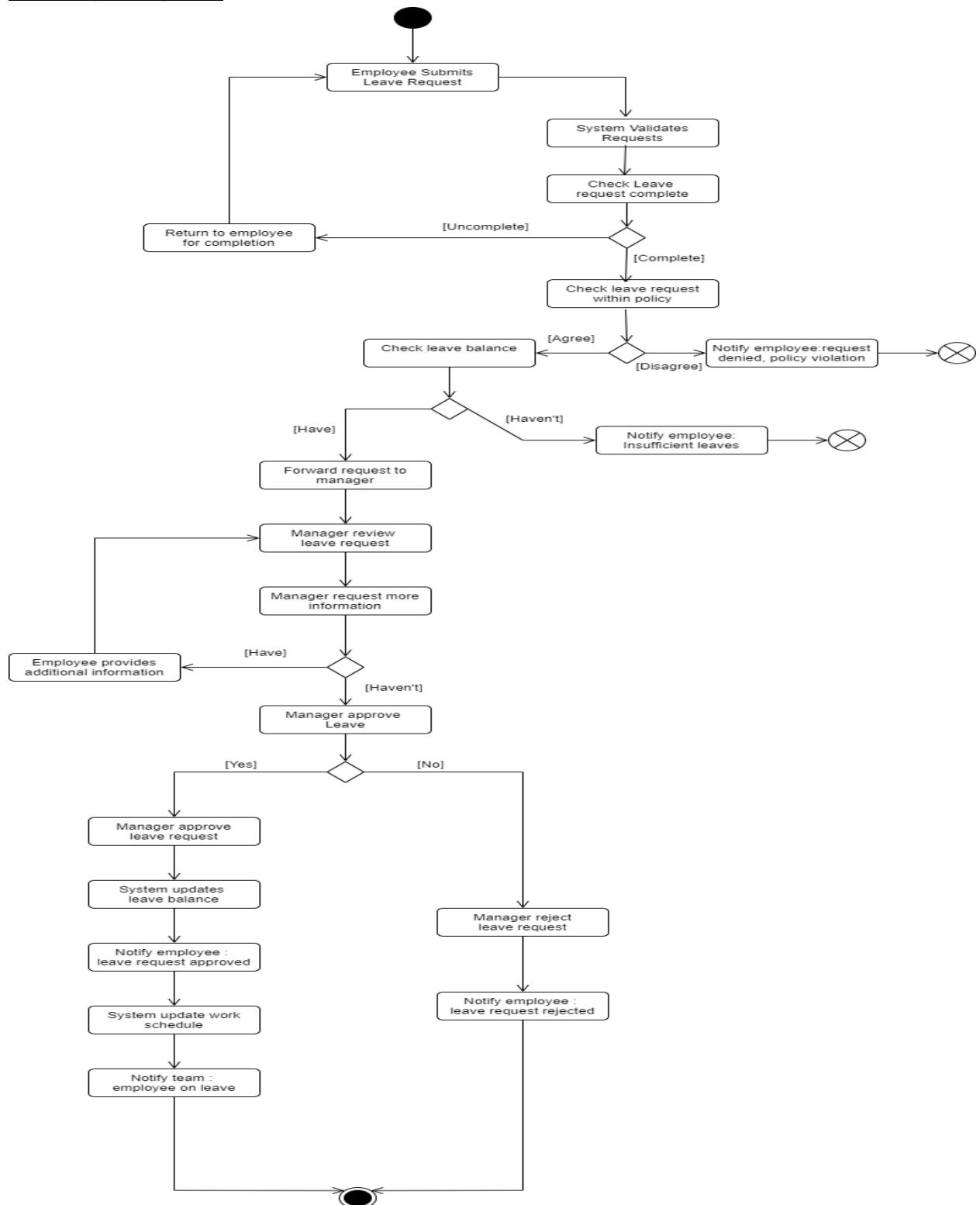
## Class Diagram



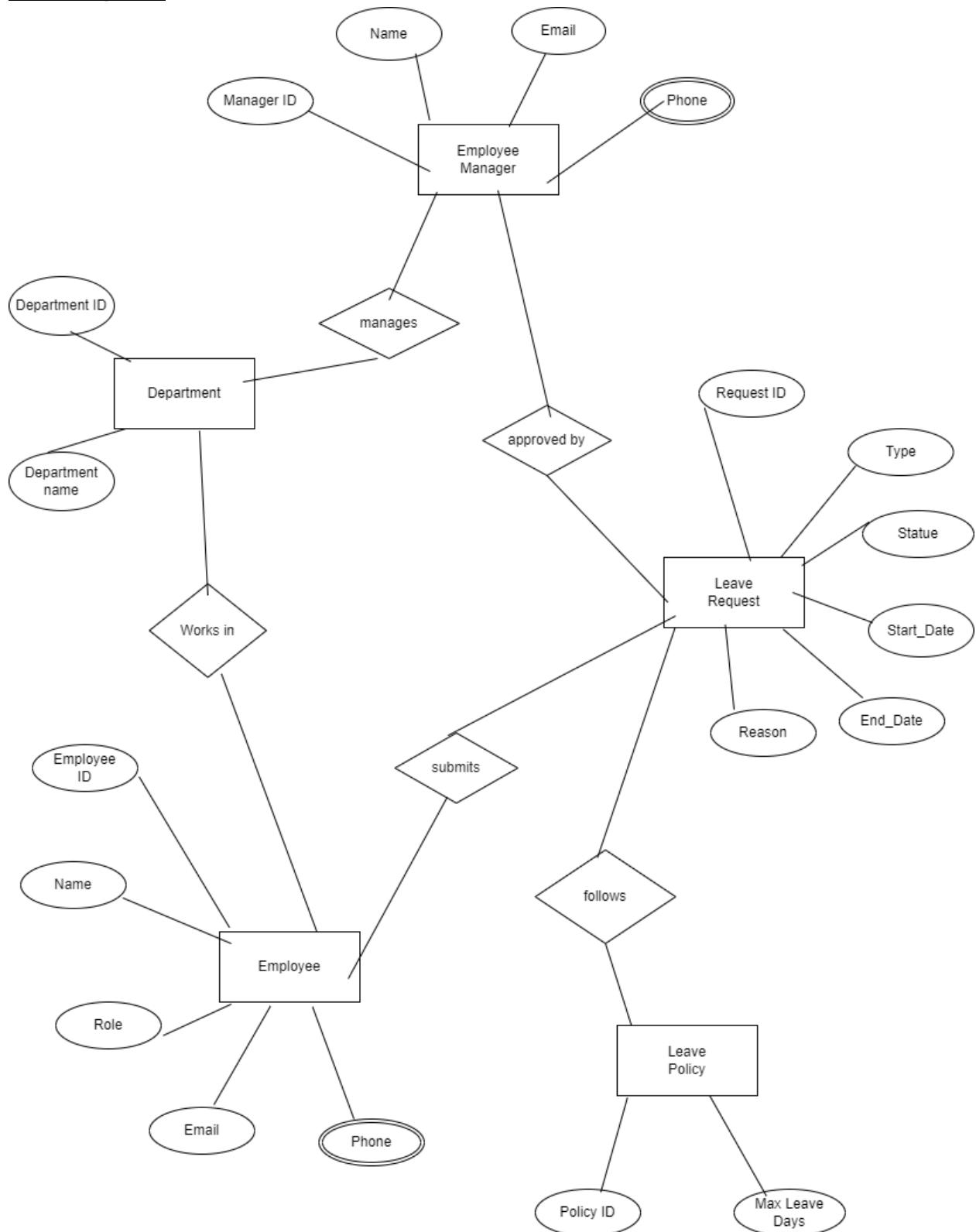
## Sequence Diagram



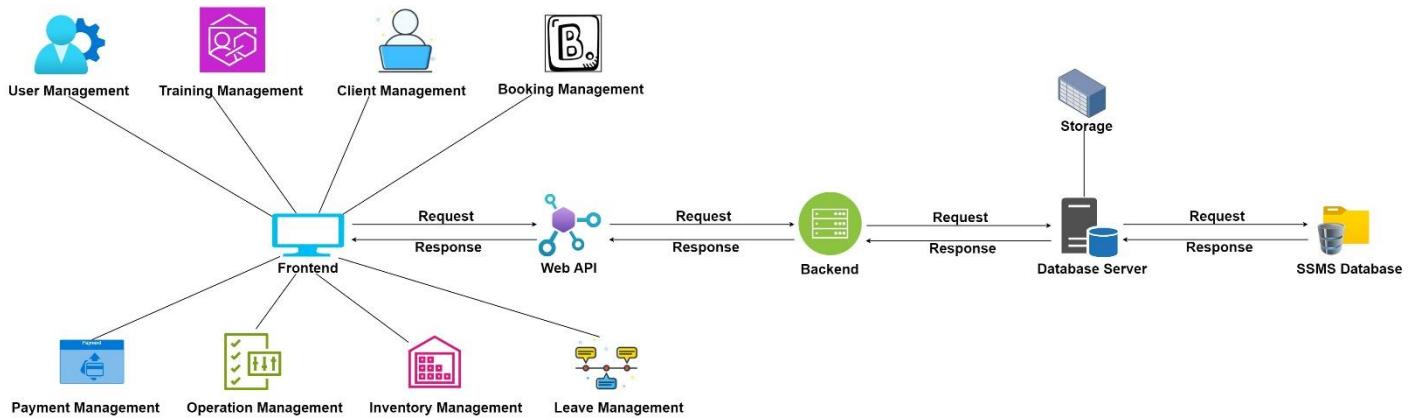
## Activity Diagram



## ER Diagram

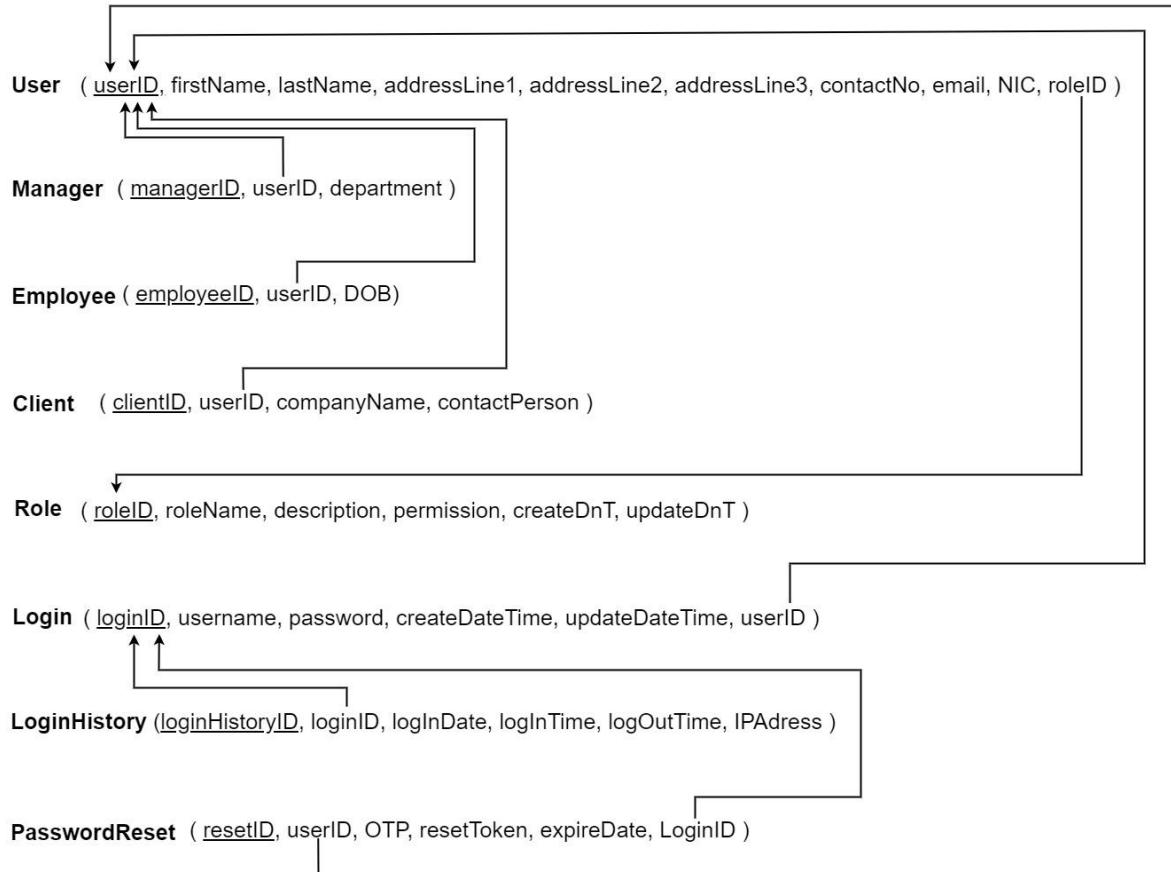


## System Diagram

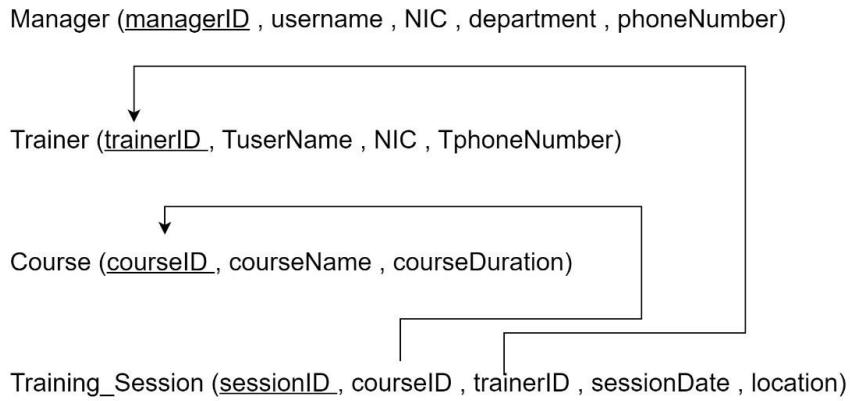


## Relational Schema

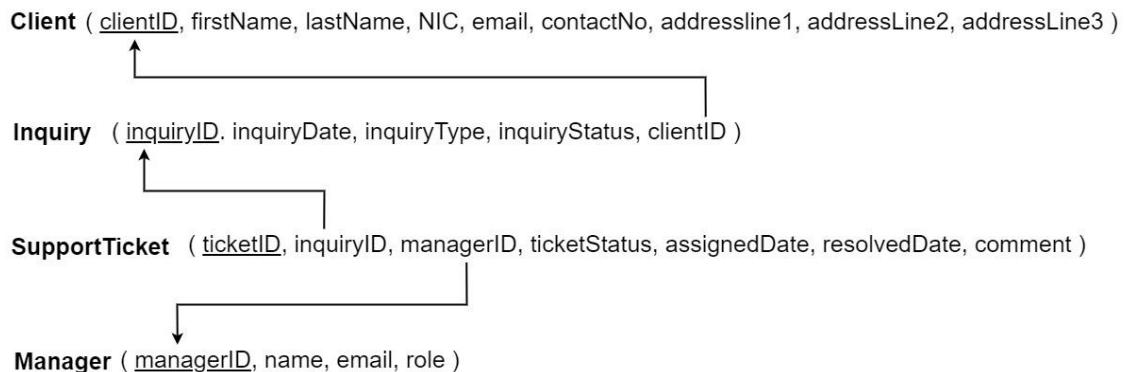
IT22325228 – Fernando K. K. C | User Management



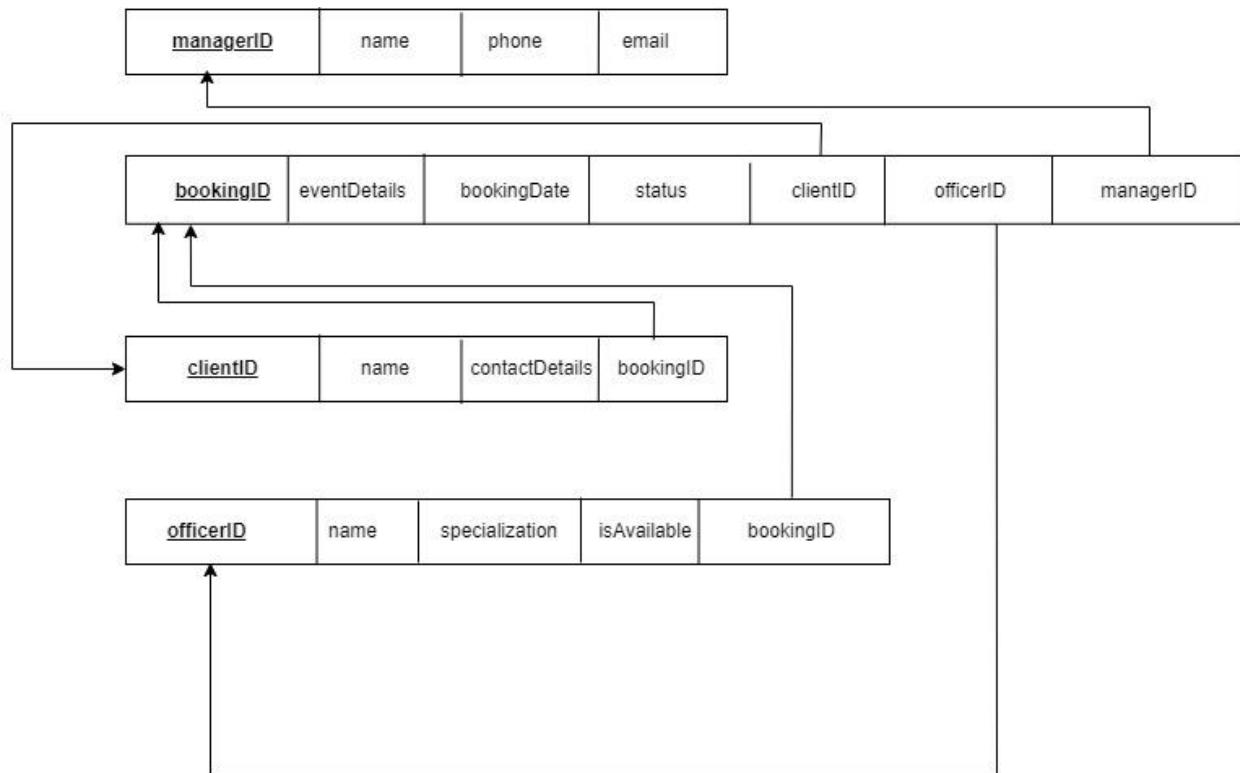
## IT22907998 – Sadisha R. M. M | Training Management



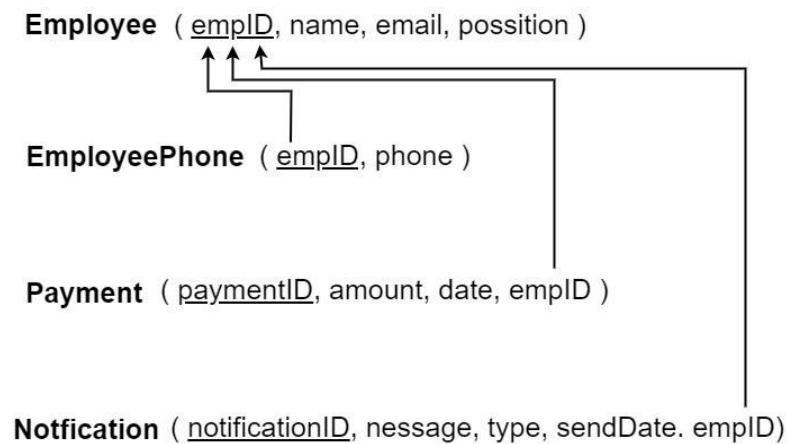
## IT20145552 – Dissanayaka D. M. S. M | Client Management



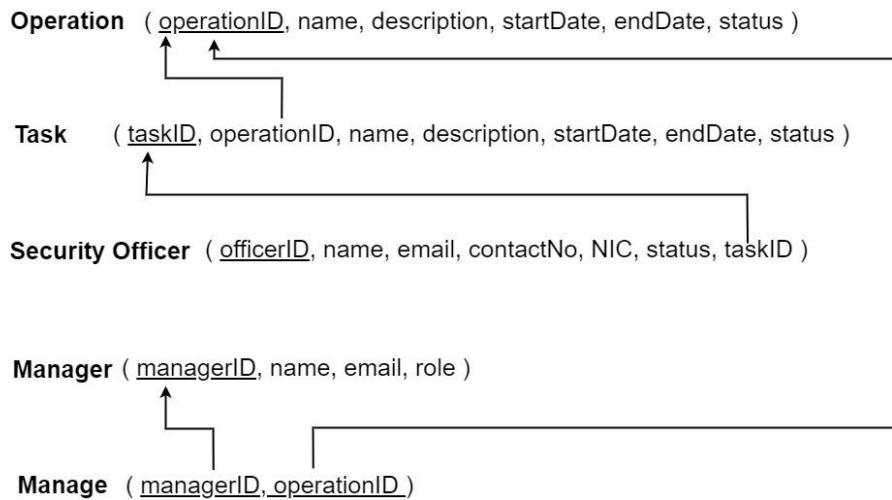
## IT22257086 – Randiw. E. Y | Booking Management



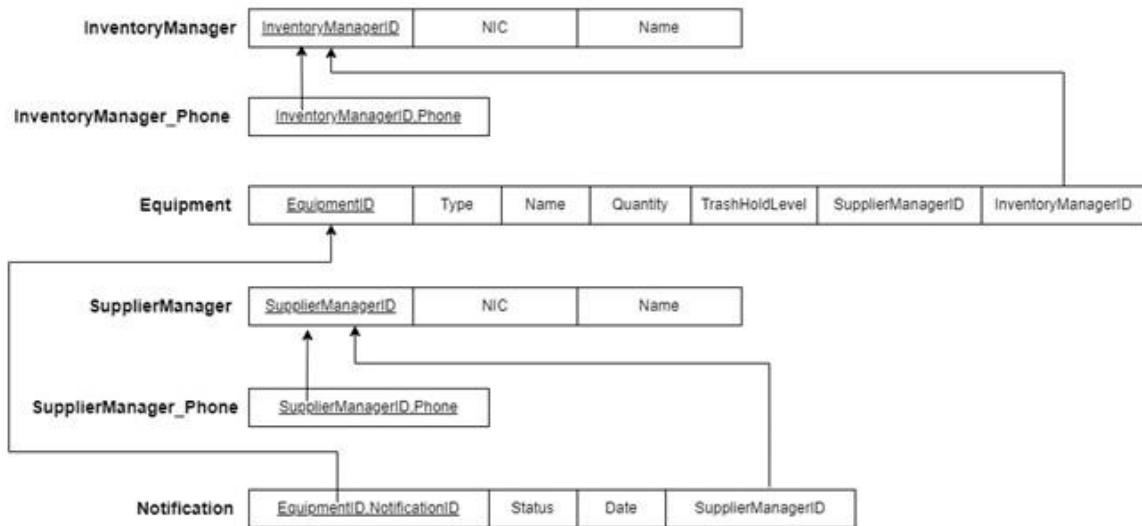
## IT22293480 – Jayodhya J. D. H | Payment Management



## IT22127082 – Medawatte W. W. M. T. N. B | Operation Management



## IT22132628 – Kusumsiri P. A. S. S | Inventory Management



## IT22197146 – Ranasinghe R. A. R. V. C | Leave Management

