



# WELCOME

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# Campus Security Staffs Management System

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The objective of the Campus Security Staffs Management System is to automate and streamline the management of security personnel within University A. This system aims to provide an efficient way for security staff and managers to handle duty schedules, leave requests, and monthly salary calculations.

01

System Modelling Diagrams:  
Use Case Diagram, and Class Diagram.

02

Description of the functionalities

03

Programming Languages, Software  
Tools, databases:

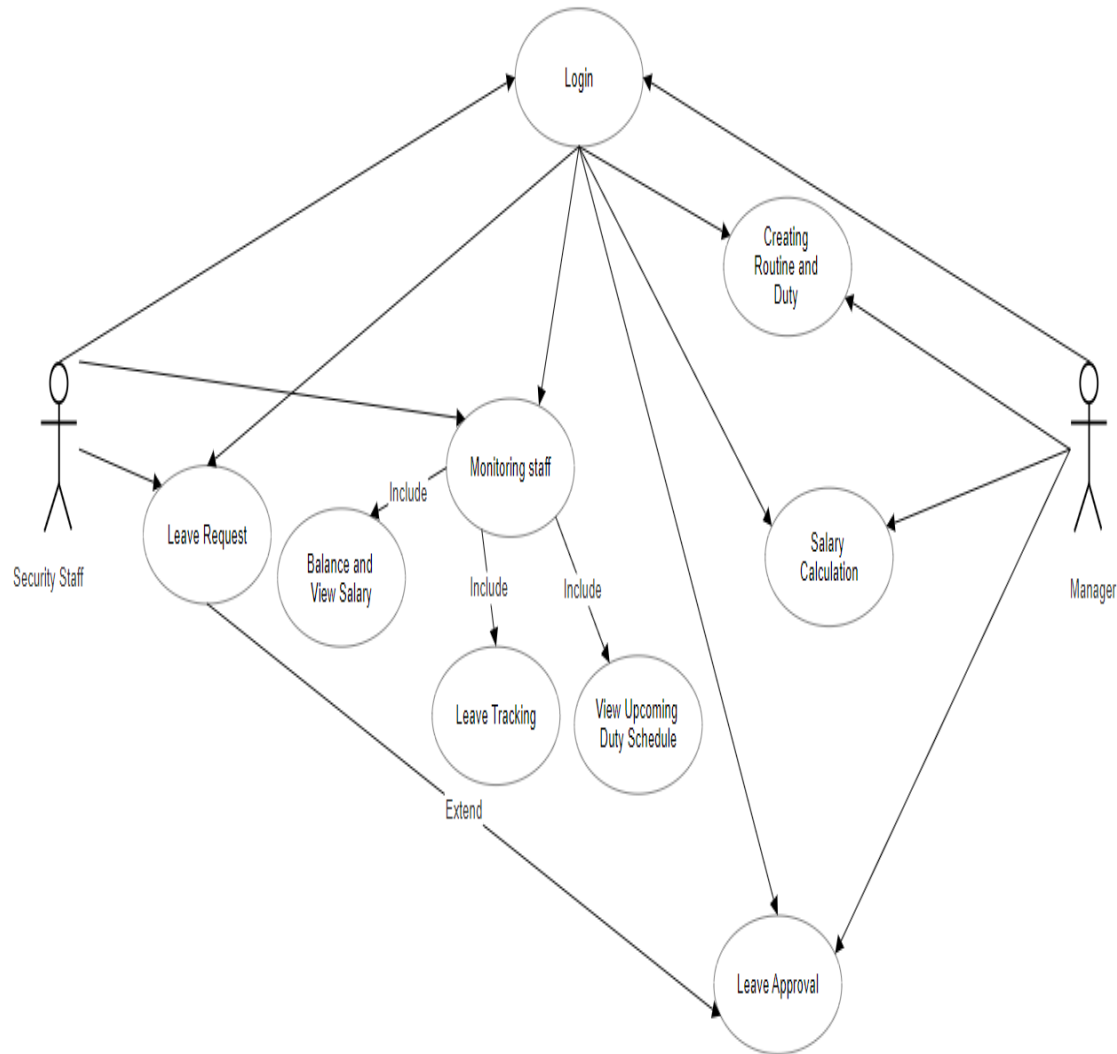
04

Type of software architecture

## Campus Security Staffs Management System

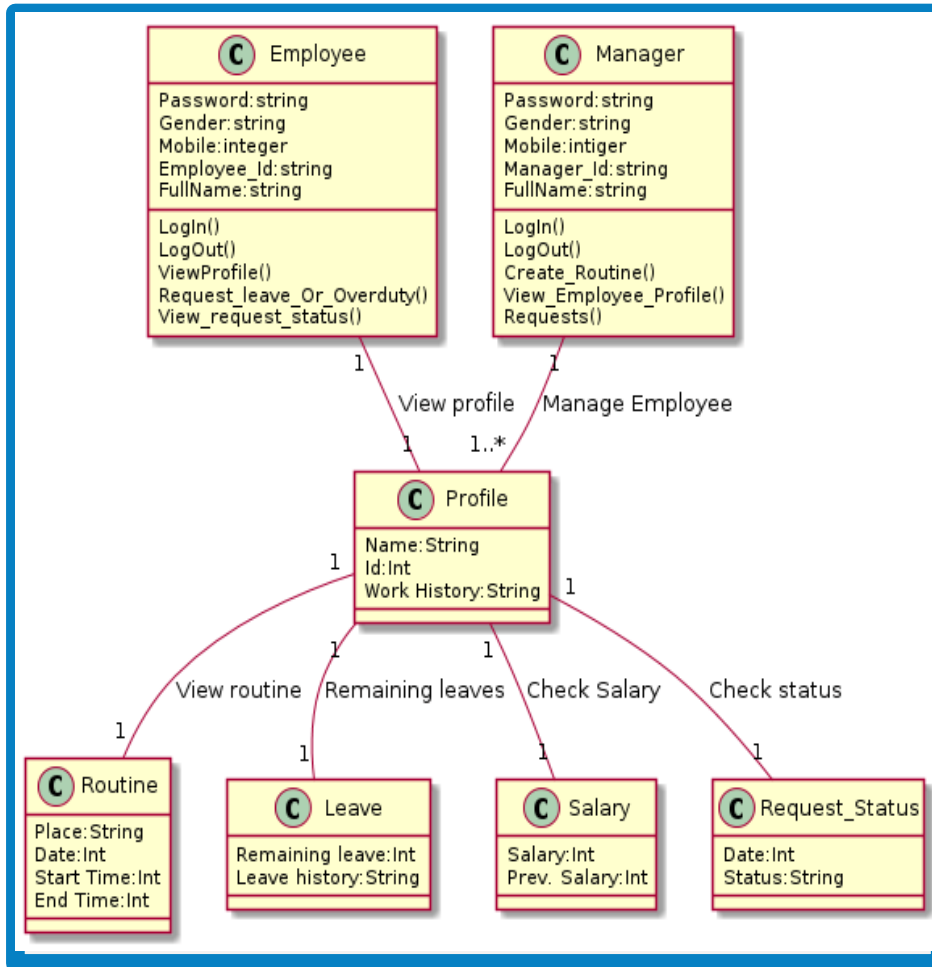


# USE CASE DIAGRAM



- Security Staff
  - Log-In
  - View Duty Schedule
  - Request Leave
  - View Leave Status
  - View Salary
  - View Routine
  - Log-Out
- Manager
  - Log-In
  - Create Duty Schedule
  - Approve/Decline Leave Requests
  - Monitor
  - View Salary
  - View Routine
  - Log-Out

# CLASS DIAGRAM



- User
- Attributes: Name, Identity Number, Password
- Security
- Inherits from User
- Attributes: Total Leaves Taken, Remaining Leaves
- Manager
- Inherits from User
- Place
- Attributes: Place Number
- Routine
- Attributes: Date, Place, Start Time, End Time

# Functionalities



## Secure Login for Security Staff

Users register with the system and log in using credentials.



## Leave Request and Approval

Security staff can request time off; managers approve/decline.



## View Upcoming Duty Schedule

Security staff can check their upcoming duties for the next 7 days.



## Salary Calculation for Security Staff

Managers review and respond to leave requests from staff.



# Functionalities



## **Routine Viewing and Monitoring**

Users view salary details, including duty calculations and leave deductions.



## **Monthly Salary Calculation**

Managers create the next 7 days' duty schedule, considering leave requests.



## **Manager's Dashboard and Monitoring**

Users view duty schedules; managers see all, staff see only their own.



## **Leave Tracking and Balance**

Managers monitor overall security status and related activities.



# Non-Functionalities



## Secure Authentication and Authorization

Robust authentication; managers have broader access.



## Efficient Database Management

Database optimized for quick data retrieval and storage.



## Performance Optimization for Large Datasets

Security staff can request time off; managers approve/decline.



## User-friendly Interface

Intuitive, easy-to-use interface for a positive user experience.



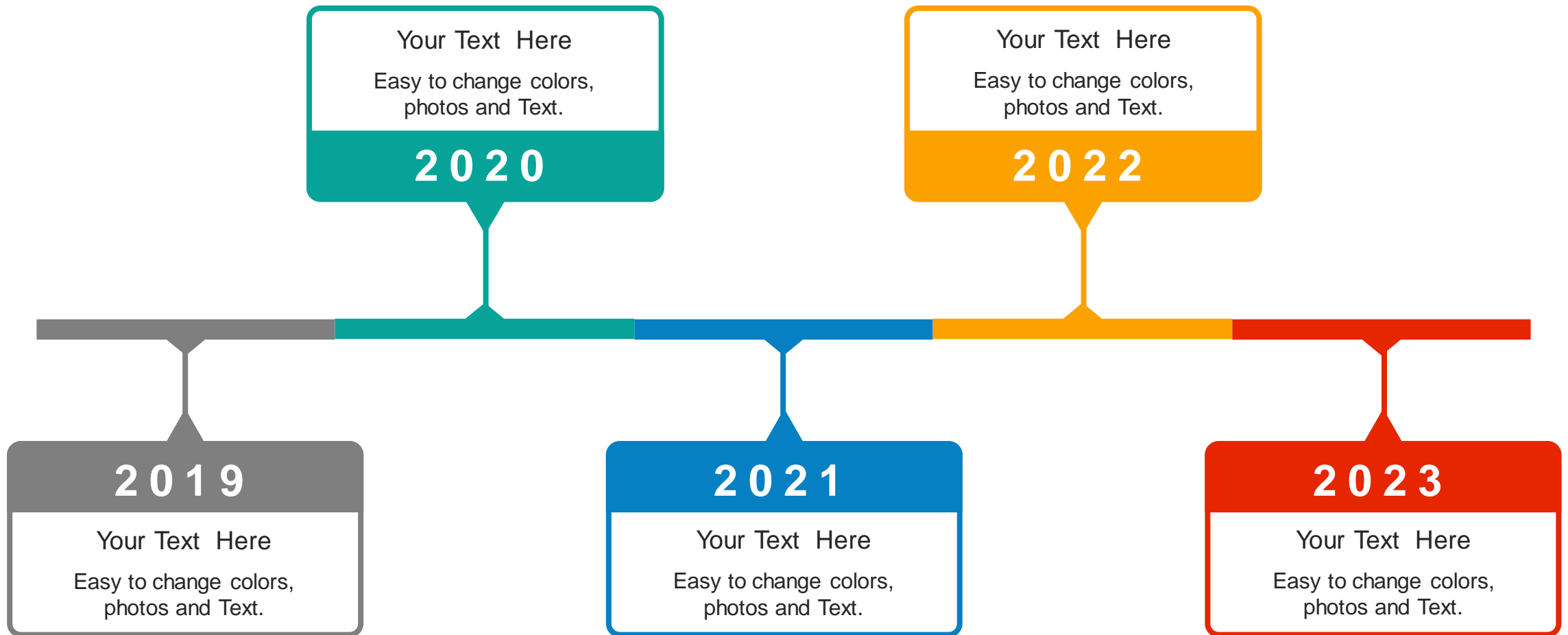
## Scalability for Future Expansion:

System architecture designed to accommodate growth.

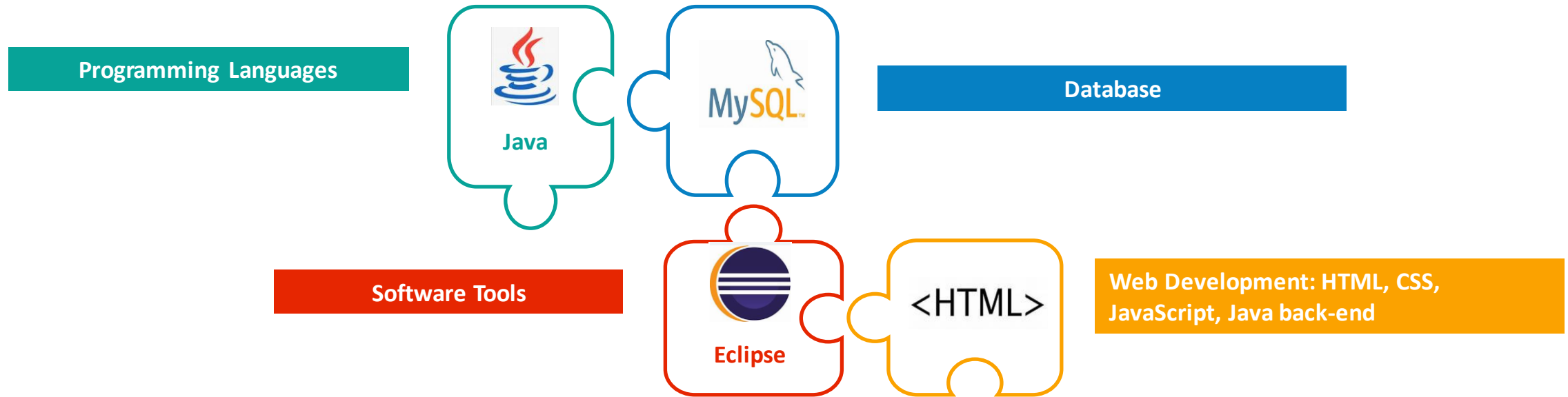




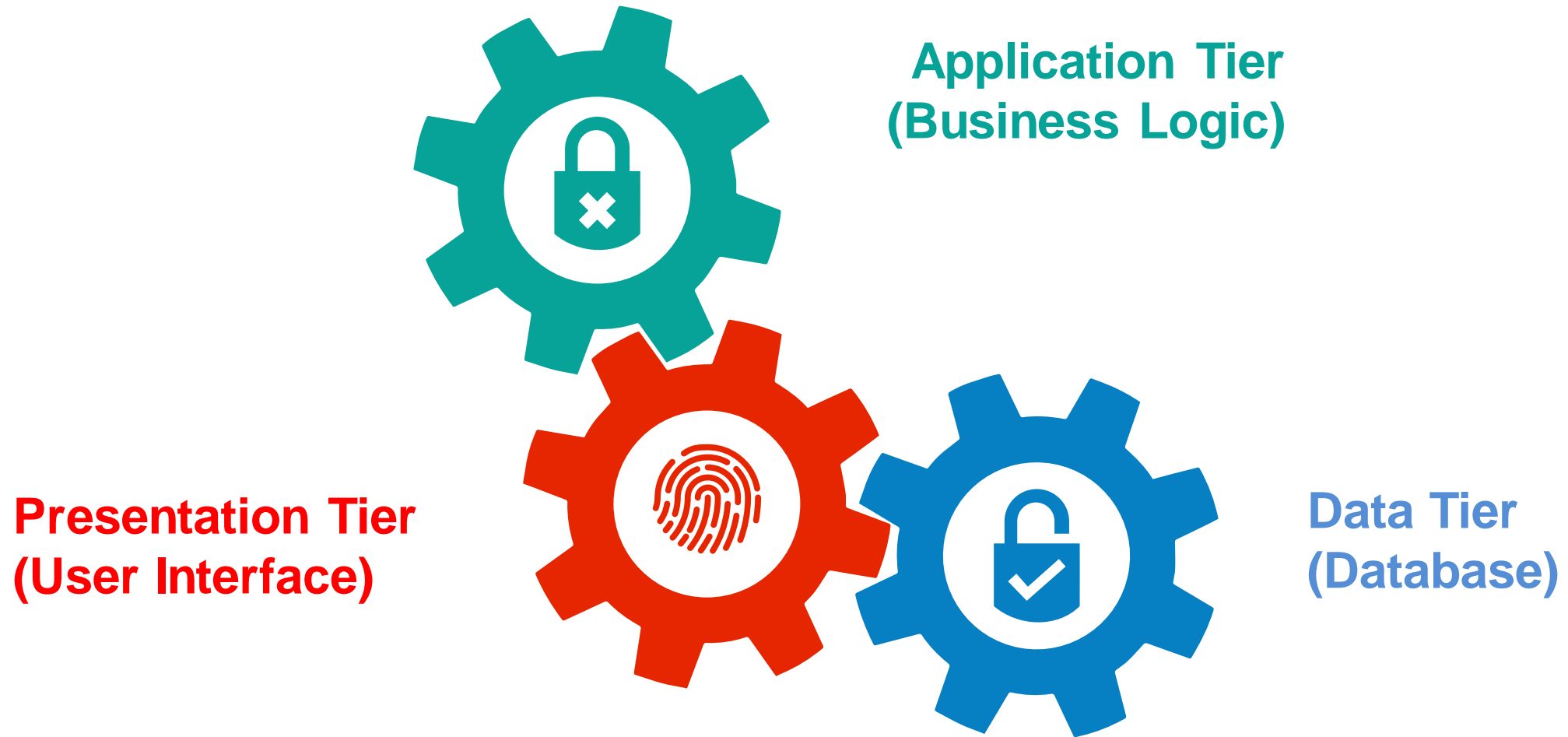
# Timeline Style



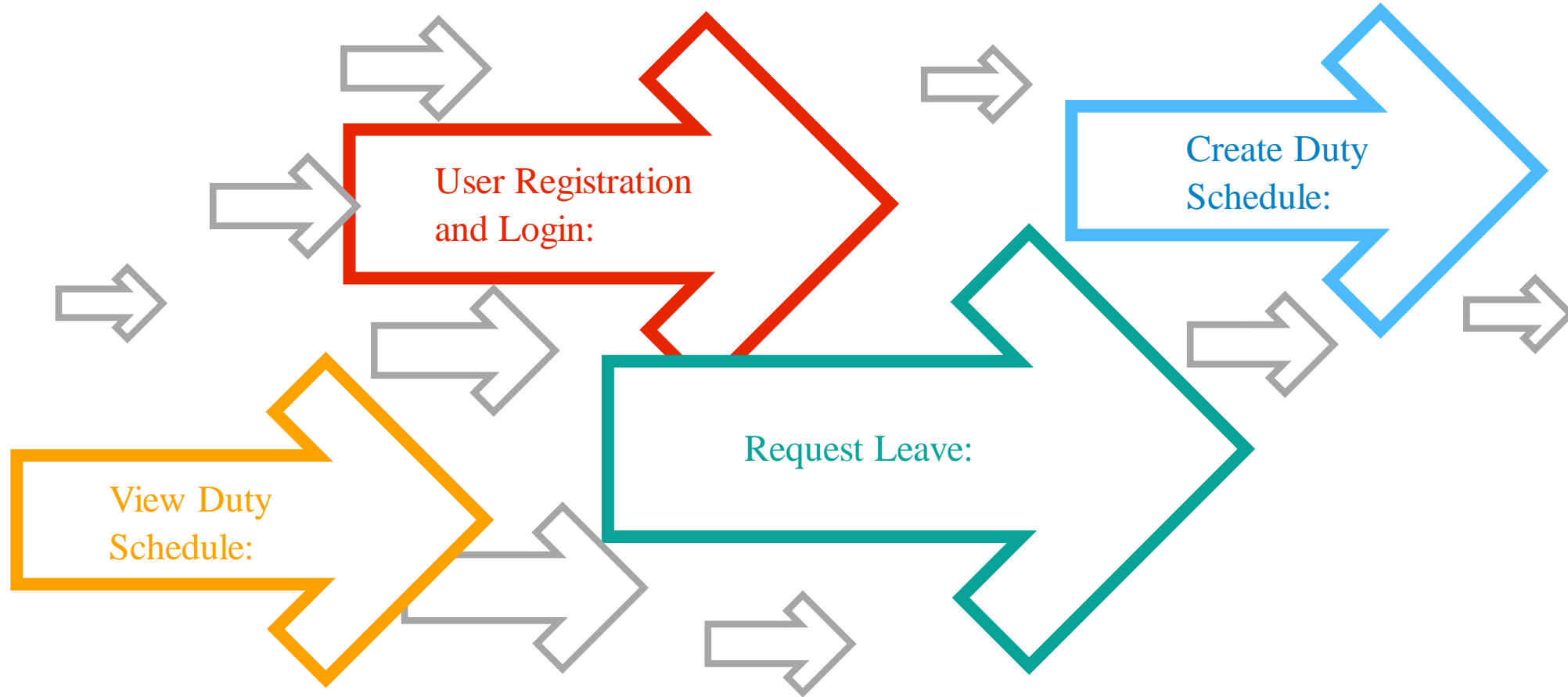
# Technologies Used:



# Software Architecture: three-tier architecture

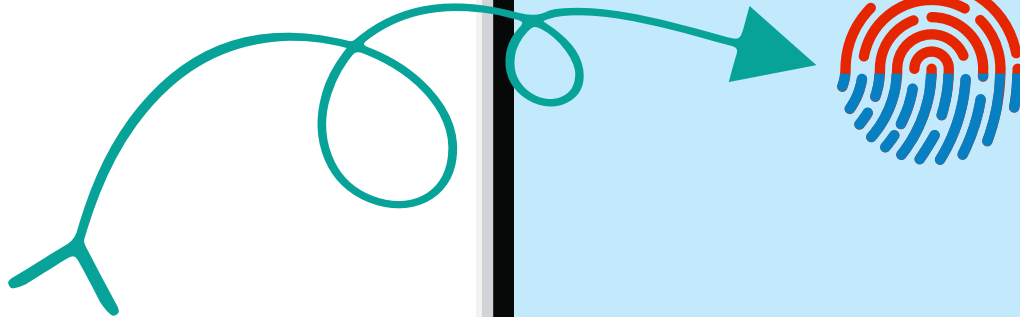


# Detailed Execution of Four Functionalities:



- ✓ User enters details during registration.
- ✓ Data stored in the database.
- ✓ Authentication during login.

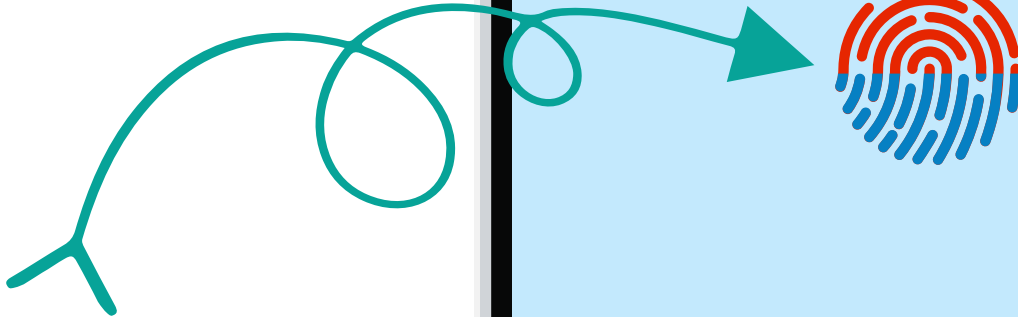
## User Registration and Login:



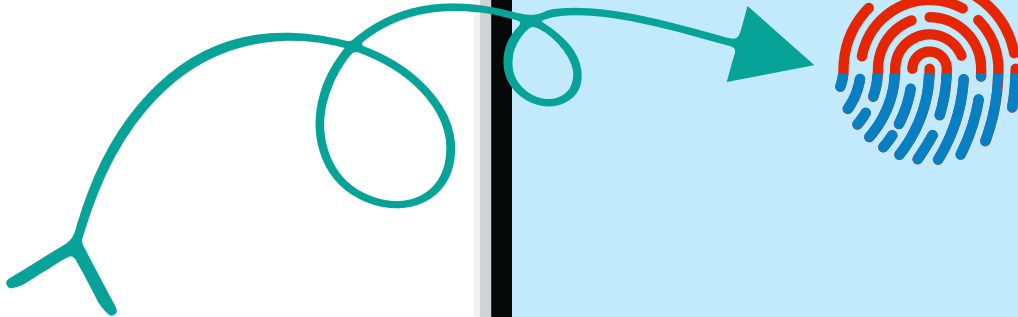


- ✓ Security staff logs in.
- ✓ System retrieves duty schedule for the next 7 days.
- ✓ Displays relevant information.

**View Duty  
Schedule:**



- ✓ Security staff requests leave.
- ✓ Manager receives notification.
- ✓ Manager approves/declines.



**Request Leave:**



- ✓ Manager logs in.
- ✓ Considers leave requests.
- ✓ Updates the routine in the database.

**Create Duty  
Schedule:**



## Security List

#	Emp_id	Name	Leaves	Duty	salary
1	1	quang	1	2	20000
2	2	luc	1	1	10000

[Back](#)

Select Emp\_id

Select date

Select Place

Select Start time

Select End time

Create Schedule

## Schedule

#	Schedule id	emp_id	Place	Date	Start time	End time
1	112	1	b	2023-12-08	00:49:00	03:49:00
2	113	1	b	2023-12-15	03:07:00	05:07:00

# Manager Page

## Security Management

#	emp_id		
1	1	0	<input type="button" value="Accept"/> <input type="button" value="Reject"/>

## Schedule

#	Schedule id	Place	Date	Start time	End time
1	112	b	2023-12-08	00:49:00	03:49:00
2	113	b	2023-12-15	03:07:00	05:07:00

# Employee Page





# THANK YOU

Insert the Subtitle of Your Presentation