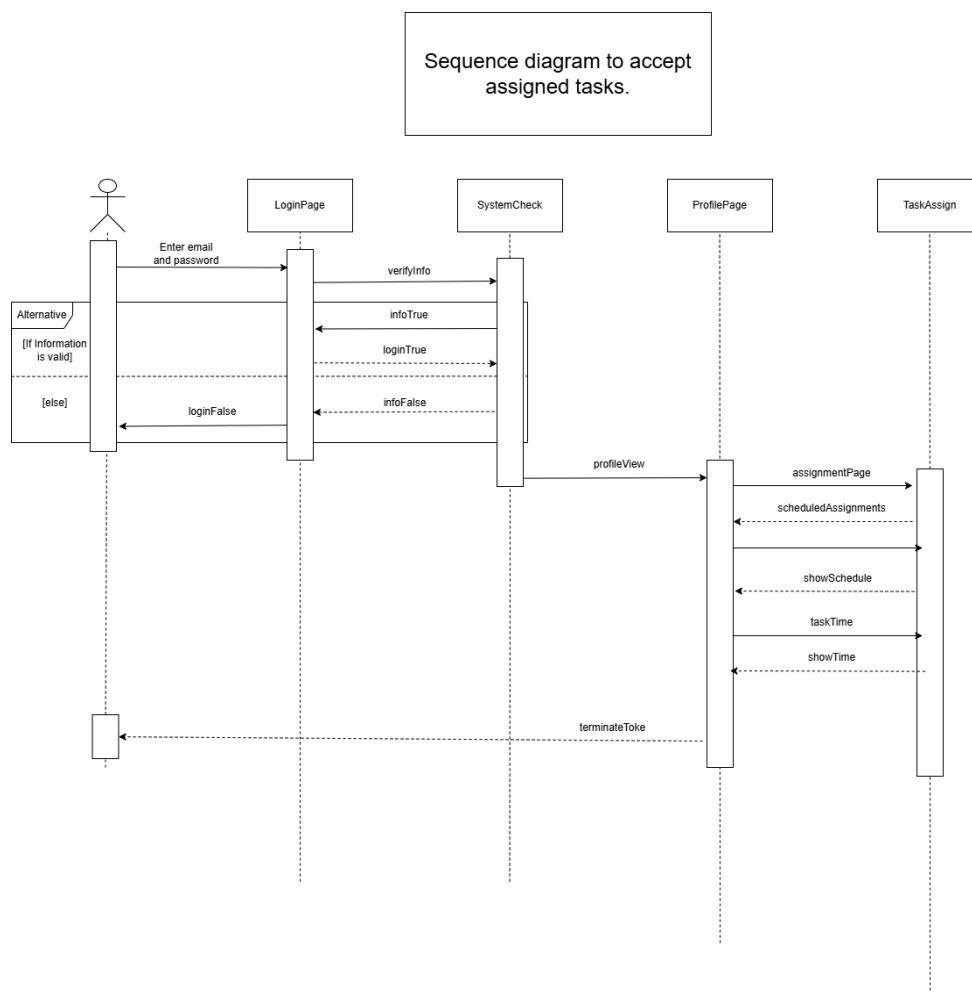


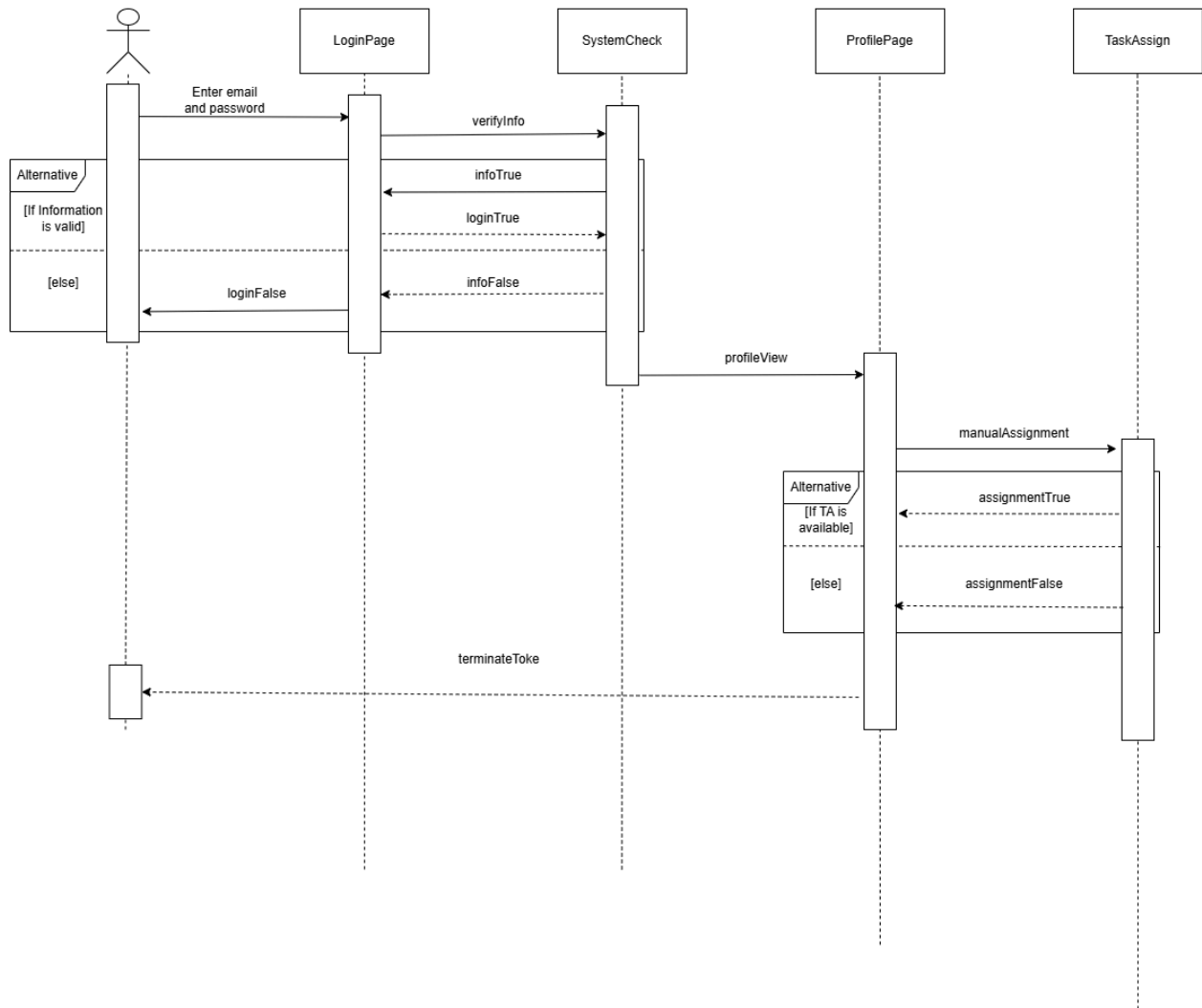
1. Sequence Diagram.....	1
2. Activity Diagram.....	4
3. Class Diagram.....	7
4. NFR.....	8
5. MOCKUPS.....	10
6. STATE DIAGRAMS.....	24

# 1. Sequence Diagram

## 1.1 State Diagram to Assign Task

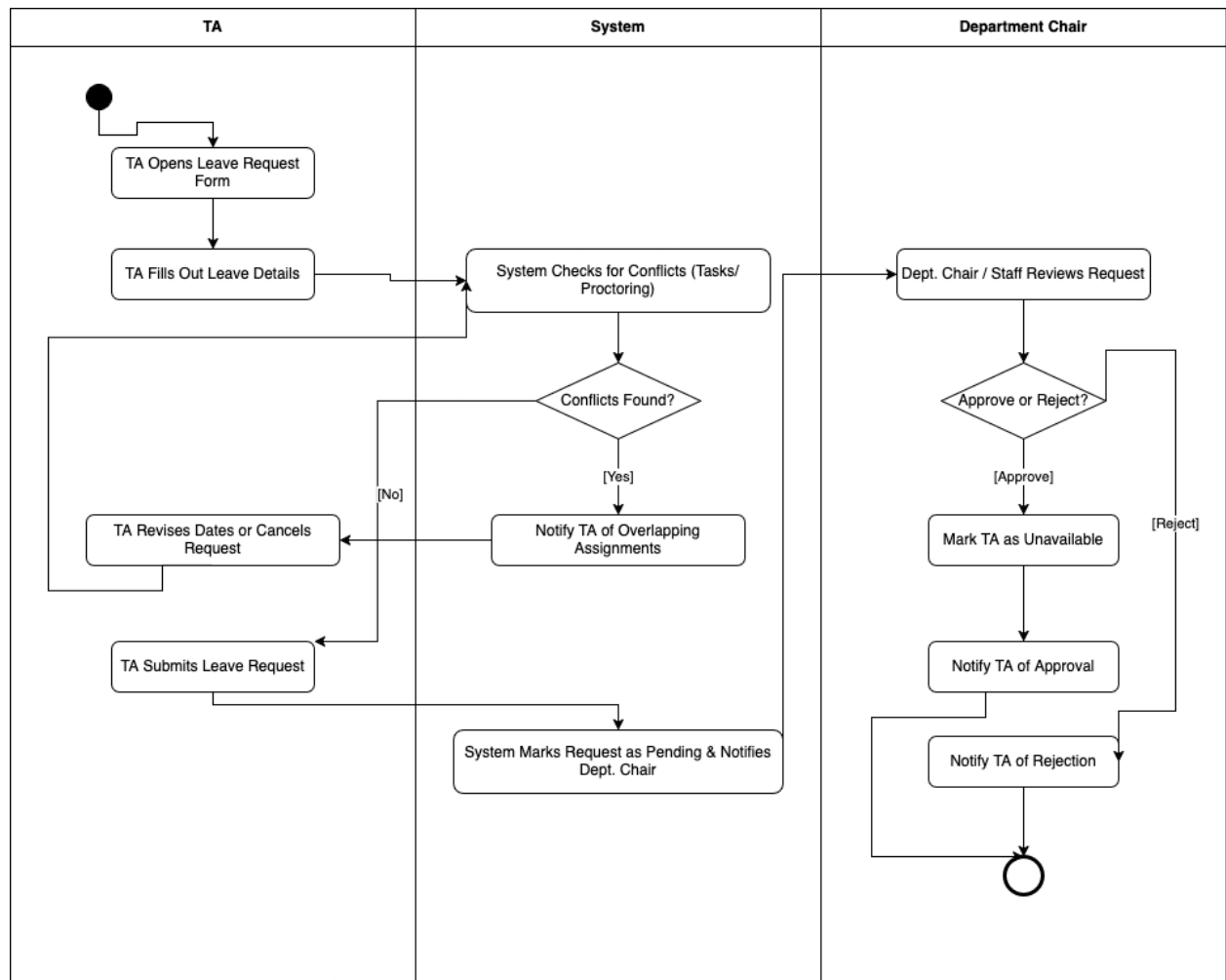


# Sequence diagram to assign scheduled tasks.

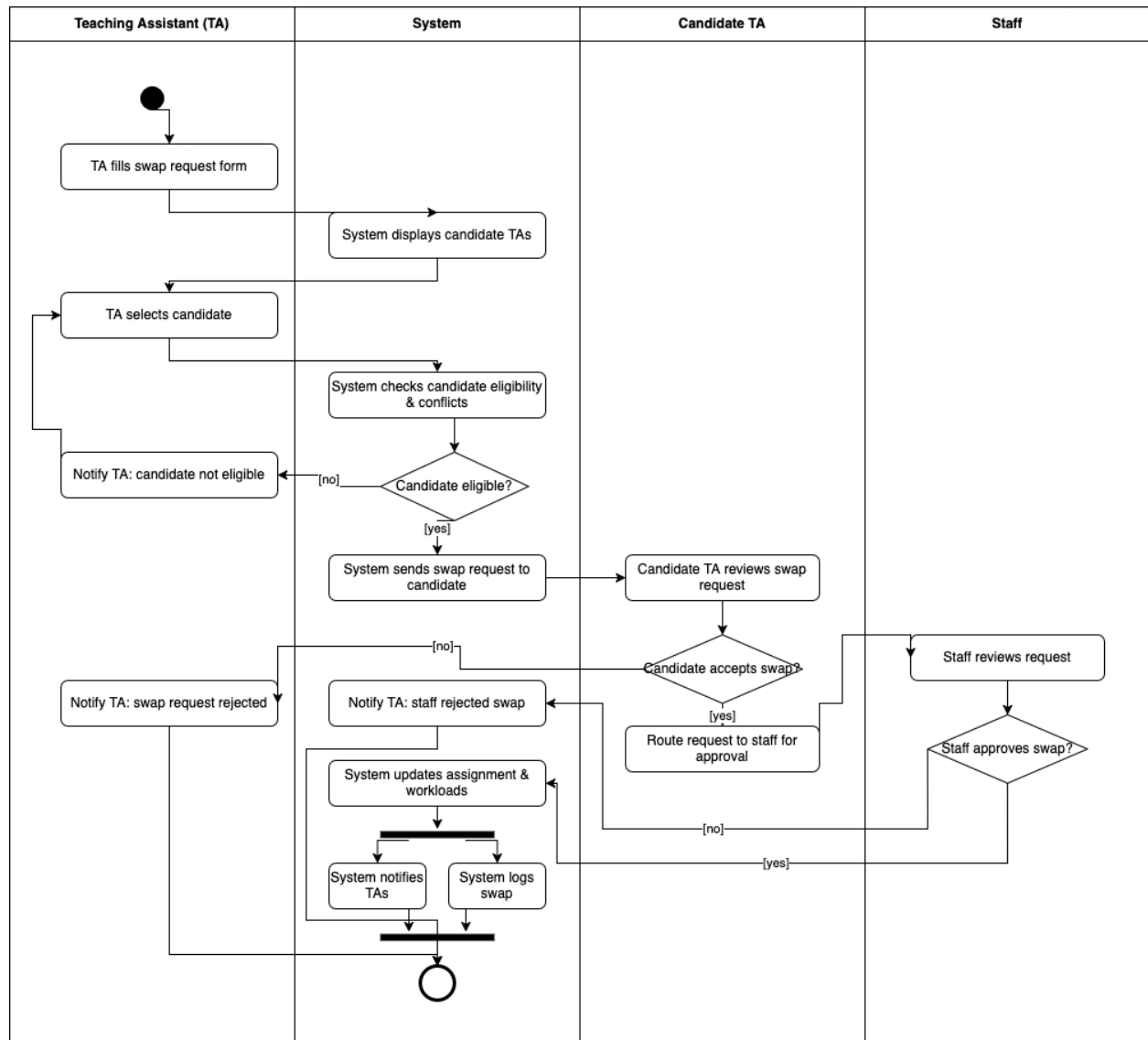


## 2. Activity Diagram

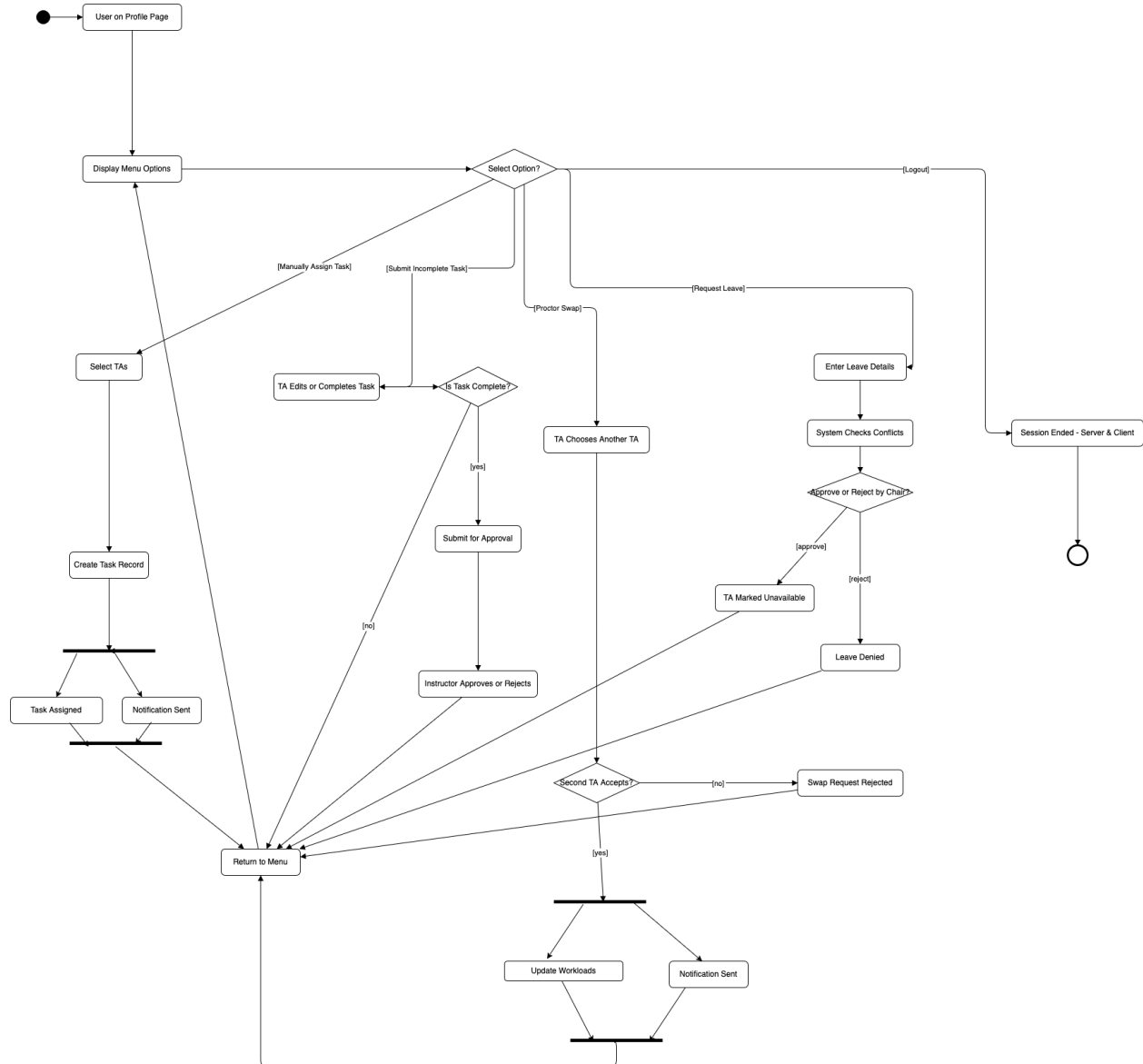
### 2.1 Leave Request



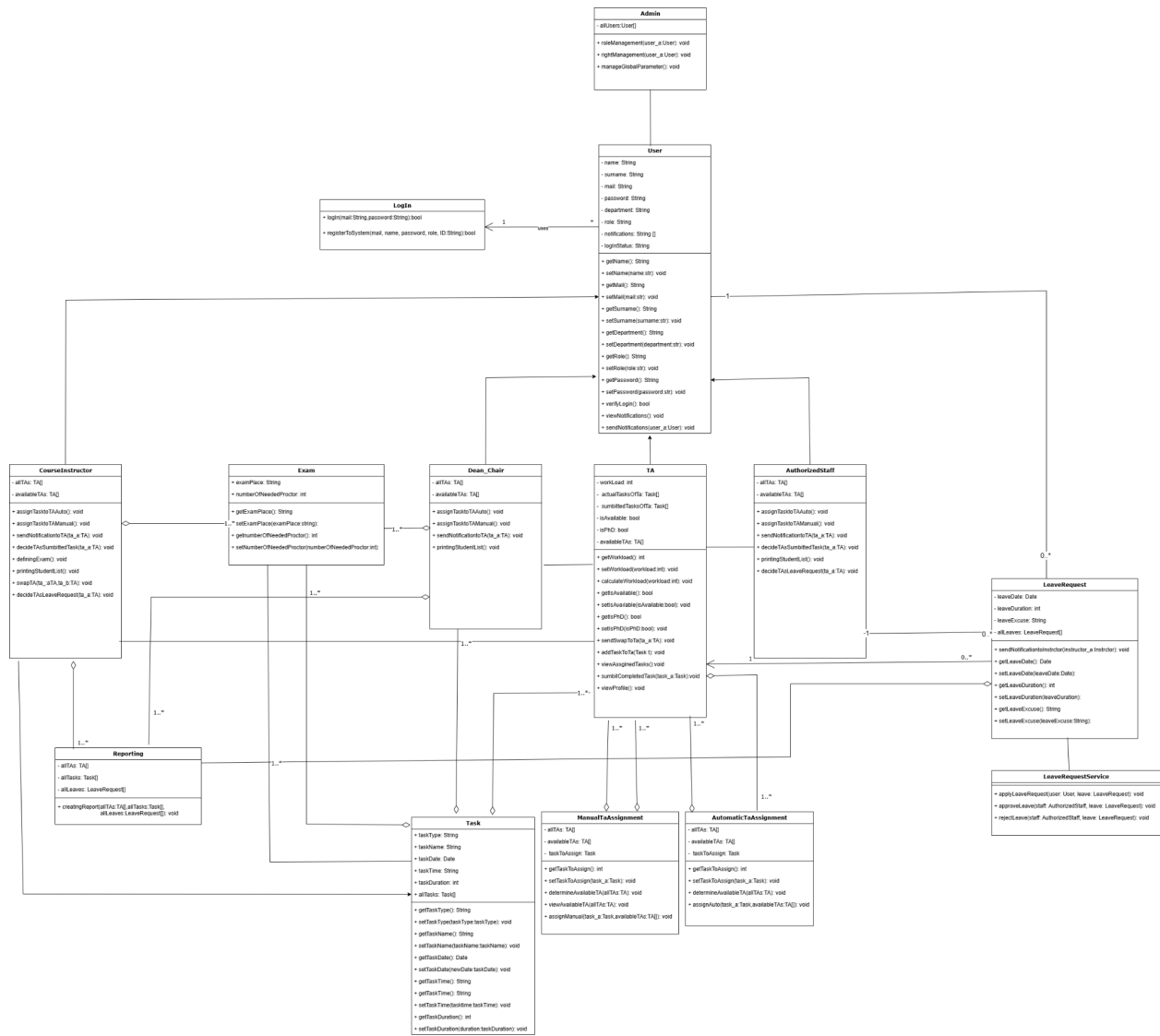
## 2.2 Swap Request



## 2.3 Task & Proctor Assignment



### 3. Class Diagram



## 4.NFR

### Non-Functional Requirements

#### Maintainability

- **Consistent Coding Standards:**  
The project's code will use strict coding standards. For instance, variable names will follow camelCase conventions, and API endpoints will use lower-case with hyphens or underscores consistently. Clear commenting will be used across the codebase.
- **Modular Architecture:**  
The codebase will be divided by functionalities such as TA Task Management, Proctoring, Leave Management, Reporting, and System Configuration. This approach will ensure that individual components can be updated or replaced without affecting the entire system.
- **Readable Structure:**  
Code organization will be enforced by placing UI components in a dedicated "components" folder and page layouts in a "pages" folder, with uniform indentation (e.g., 4 spaces per indent). This consistent structure will ensure that the code is easily maintainable by all team members.

#### Usability

- **User-Centric Design:**  
The TA Management System will feature a clean, intuitive user interface to simplify task submissions, leave requests, and proctoring assignments. Interactive elements (such as buttons and menus) will have subtle animations triggered on hover or click to provide immediate visual feedback.
- **Streamlined Workflows:**  
User interactions such as task assignments, leave requests, and exam definitions are designed to require minimal steps. This simplicity will reduce user errors and enhance overall productivity.

#### Reliability

- **Robust Error Handling:**  
Critical operations (task deletions, leave approvals, assignment overrides) must handle errors gracefully, logging errors automatically and attempting immediate recovery within 2 seconds.
- **Data Integrity:**  
All operations interacting with the MySQL database will ensure data consistency, employing transactions where needed, so that TA workloads, assignments, and reports are accurate and reliable.
- **Resilience:**  
Even in the event of unexpected errors or server issues, the system will provide informative error messages and redirect users to safe fallback pages to prevent data loss or system crashes.

#### Performance

- **Response Time:**  
The application is expected to have a response time of under 5 seconds for most user interactions, ensuring a smooth experience even during complex operations like automatic proctor assignment and real-time report generation.
- **Scalability:**  
The system must scale efficiently to support at least 200 concurrent users (based on department size) with the ability to handle up to 300 users as the department grows over the next two academic years.

#### Security

- **Data Encryption:** All sensitive data (personal information, assignment data, reports) must be encrypted.

- **Access Control:** Implement Role-Based Access clearly distinguishing permissions for TA, Staff, Dean, and Admin roles.
- **Auditability:** All critical actions must be logged comprehensively with timestamps and user identifiers.

#### **Portability and Compatibility**

- **Cross-Browser Compatibility:** The system must support current versions of Chrome, Firefox, Safari, and Edge browsers.
- **Device Compatibility:** The system will be fully responsive, maintaining functionality and usability on desktop platforms.

#### **Auditability and Logging**

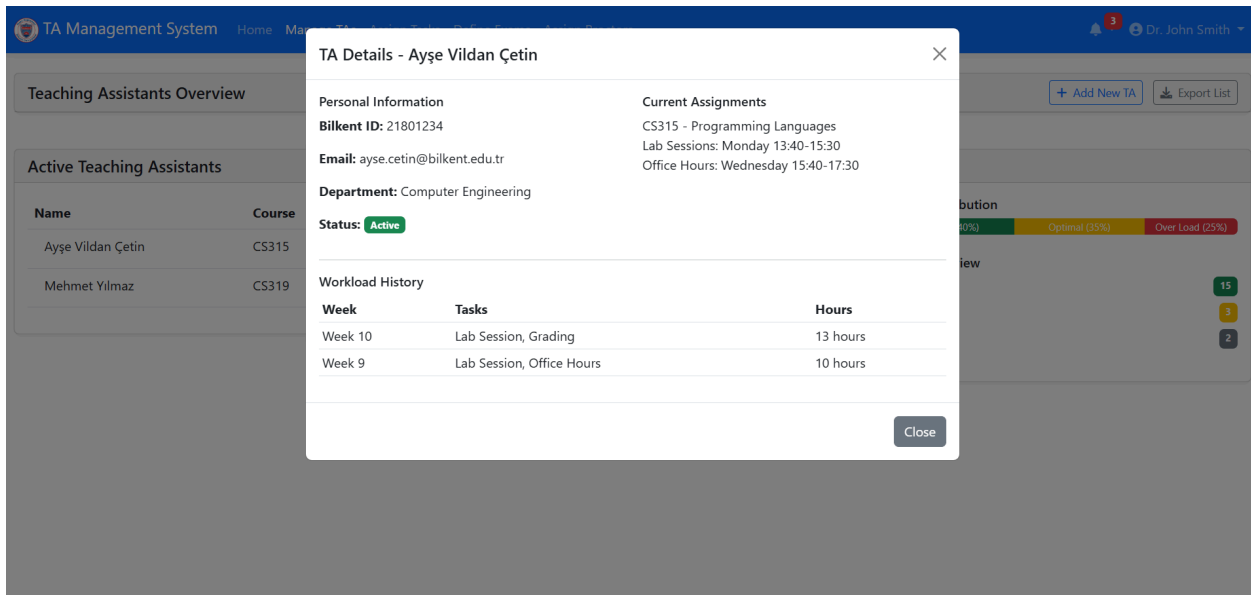
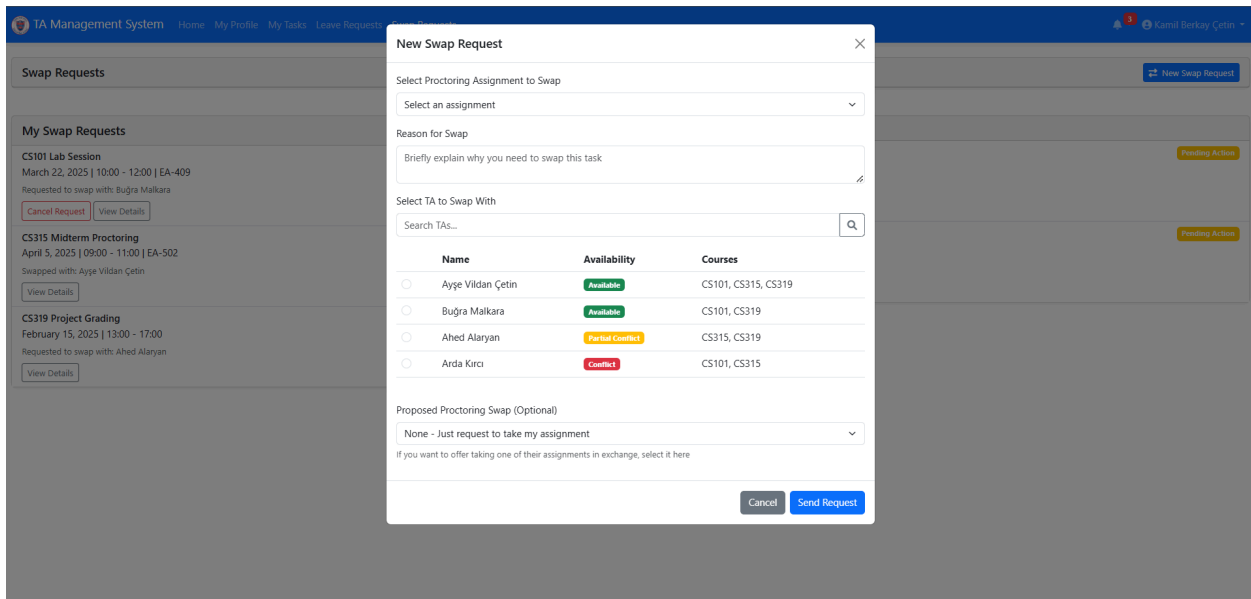
- **Comprehensive Logging:** All significant user actions (assignments, proctor swaps, leave requests, administrative modifications) will be logged in detail.

#### **Compliance Requirements**

- **Data Protection Compliance:** The system must adhere strictly to Turkish data protection regulations (KVKK) and international standards (GDPR) regarding the handling of personal data.



# 5.MOCKUPS



TA Management System

HomeMy ProfileMy tasksLeave RequestsSwap Requests

Kamil Berkay Çetin

My Tasks

Schedule - March 2025

Mon	Tue	Wed	Thu
1	2	3	4
8	9	10	11
15	16	17	18
22	23	24	25
29	30	31	

Submit Completed Task

Course

Select Course

Task Type

Select Task Type

Date

mm/dd/yyyy

Start Time

End Time

Description

Provide details about the task completed

Supporting Documents (optional)

Choose FilesNo file chosen

Upload any relevant documents (e.g., grading sheets, attendance lists)

Cancel

Submit for Approval

Upcoming Tasks

CS101 Lab Session

Room: EA-409

10:00 - 12:00

Today

CS315 Grading

Assignment 3 - 25 submissions

14:00 - 16:00

Tomorrow

Office Hours

Room: EA-502

13:00 - 15:00

March 22

CS315 Midterm Proctoring

Room: BZ-02

09:00 - 11:00

March 26

Pending Approval

CS319 Project Grading

Milestone 1 - 10 groups

Submitted: March 10, 2025

Pending

CS101 Lab Assistance

Extra lab session

Submitted: March 8, 2025

Pending

Recently Completed

CS101 Lab Session

Introduction to Arrays

Approved

TA Management System

HomeSystem ConfigurationUser ManagementSystem Logs

System Admin

Global Parameters

Current Semester

Spring 2025

Maximum TA Workload (hours/week)

20

System Timezone

Europe/Istanbul (UTC+3)

Email Notifications

Task Assignments

Exam Schedule Changes

System Alerts

Backup & Maintenance

Automatic Backup Schedule

Daily at 00:00

Manual Backup

System Maintenance

Clear Cache

Enter Maintenance Mode

Add New Role

Role Name

Permissions

Manage TAs

Assign Tasks

Define Exams

View Reports

Cancel

Add Role

Permissions

Full Access

Manage TAs

Assign Tasks

Define Exams

View Tasks

Student Reports

etc. etc.

Actions

Server Health

CPU 25%

Memory 60%

Storage 75%

Active Users

Total Online

Instructors

TAs

42

15

27

Swap Requests

New Swap Request

My Swap Requests

AllPendingCompleted

CS101 Lab Session

March 22, 2025 | 10:00 - 12:00 | EA-409

Requested to swap with: Buğra Malkara

Cancel RequestView Details

Pending

CS315 Midterm Proctoring

April 5, 2025 | 09:00 - 11:00 | EA-502

Swapped with: Ayşe Vildan Çetin

View Details

Accepted

CS319 Project Grading

February 15, 2025 | 13:00 - 17:00

Requested to swap with: Ahd Alaryan

View Details

Rejected

Swap Requests From Others

CS101 Office Hours

March 24, 2025 | 14:00 - 16:00 | EA-502

Requested by: Arda Kiro

AcceptDeclineView Details

Pending Action

CS319 Lab Supervision

April 2, 2025 | 15:00 - 17:00 | EA-409

Requested by: Buğra Malkara

AcceptDeclineView Details

Pending Action

TA Management System

HomeMy ProfileMy TasksLeave RequestsSwap Requests

1

Kamil Berkay Çetin

Swap Requests

New Swap Request

My Swap Requests

CS101 Lab Session

March 22, 2025 | 10:00 - 12:00 | EA-409

Requested to swap with: Buğra Malkara

Cancel RequestView Details

CS315 Midterm Proctoring

April 5, 2025 | 09:00 - 11:00 | EA-502

Swapped with: Ayşe Vildan Çetin

View Details

CS319 Project Grading

February 15, 2025 | 13:00 - 17:00

Requested to swap with: Ahd Alaryan

View Details

Swap Request Details

CS101 Lab Session

Pending

Your Task

Course: CS101

Task: Lab Session

Date: March 22, 2025

Time: 10:00 - 12:00

Location: EA-409

Proposed Swap

TA: Buğra Malkara

Course: CS101

Task: Office Hours

Date: March 25, 2025

Time: 14:00 - 16:00

Reason for Swap

I have a doctor's appointment that conflicts with my lab session. I can take Buğra's office hours later that week instead.

Request Timeline

Request Sent

March 15, 2025 | 09:23

TA Response

Pending

Instructor Approval

Pending

Close

Cancel Request

Swap Requests

CS101 Lab Session

March 22, 2025 | 10:00 - 12:00 | EA-409

Requested to swap with: Buğra Malkara

Cancel RequestView Details

CS315 Midterm Proctoring

April 5, 2025 | 09:00 - 11:00 | EA-502

Swapped with: Ayşe Vildan Çetin

View Details

CS319 Project Grading

February 15, 2025 | 13:00 - 17:00

Requested to swap with: Ahd Alaryan

View Details

Swap Requests From Others

CS101 Office Hours

March 24, 2025 | 14:00 - 16:00 | EA-502

Requested by: Arda Kiro

AcceptDeclineView Details

Pending Action

CS319 Lab Supervision

April 2, 2025 | 15:00 - 17:00 | EA-409

Requested by: Buğra Malkara

AcceptDeclineView Details

Pending Action

Swap Request Timeline

Date & Time

Actions

Mar 29, 2025 | 10:00 - 12:00

Offer Swap

Apr 10, 2025 | 13:00 - 15:00

Offer Swap

May 15, 2025 | 09:00 - 12:00

Offer Swap

TA Management System

HomeMy ProfileMy TasksLeave RequestsSwap Requests

1

Kamil Berkay Çetin

Swap Requests

My Swap Requests

CS101 Lab Session

March 22, 2025 | 10:00 - 12:00 | EA-409

Requested to swap with: Buğra Malkara

Cancel RequestView Details

CS315 Midterm Proctoring

April 5, 2025 | 09:00 - 11:00 | EA-502

Swapped with: Ayşe Vildan Çetin

View Details

CS319 Project Grading

February 15, 2025 | 13:00 - 17:00

Requested to swap with: Ahmed Alaryan

View Details

Swap Request Details

CS101 Lab Session

Pending

Your Task

Course: CS101

Task: Lab Session

Date: March 22, 2025

Time: 10:00 - 12:00

Location: EA-409

Proposed Swap

TA: Buğra Malkara

Course: CS101

Task: Office Hours

Date: March 25, 2025

Time: 14:00 - 16:00

Reason for Swap

I have a doctor's appointment that conflicts with my lab session. I can take Buğra's office hours later that week instead.

Request Timeline

Request Sent

March 15, 2025 | 09:23

TA Response

Pending

Instructor Approval

Pending

Close

Cancel Request

Swap Requests

Date & Time

Actions

Mar 29, 2025 | 10:00 - 12:00

Offer Swap

Apr 10, 2025 | 13:00 - 15:00

Offer Swap

May 15, 2025 | 09:00 - 12:00

Offer Swap

TA Management System

HomeMy ProfileMy TasksLeave RequestsSwap Requests

1

Kamil Berkay Çetin

Profile Picture

Kamil Berkay Çetin

PhD Student - Computer Science

22203156

kberkay@bilkent.edu.tr

+90 555 123 4567

Edit Profile

Change Password

Skills & Expertise

Programming Languages

JavaPythonC++JavaScript

Courses Qualified For

CS101CS102CS201CS319CS315

Special Qualifications

Lab InstructorGradesProject Mentor

Workload Summary

This SemesterPrevious

Total Hours This Semester

48 / 80

Tasks Completed

18 / 25

Hours by Course

CS101 - Introduction to Programming

20 hours

Leave of Absence Requests

+ New Request

Start Date

End Date

Reason

Status

Actions

2025-04-01

2025-04-05

Conference Attendance

Approved

2025-05-15

2025-05-16

Medical Appointment

Pending

Assigned Duties

UpcomingCompleted

Date

Course

Type

Duration

Status

2025-03-18

CS101

Lab Session

2 hours

Upcoming

2025-03-20

CS319

Exam Proctoring

3 hours

Pending Swap

TA Management System

HomeMy ProfileMy TasksLeave RequestsSwap Requests

3

Kamil Berkay Çetin

Swap Requests

New Swap Request

My Swap Requests

CS101 Lab Session

March 22, 2025 | 10:00 - 12:00 | EA-409

Requested to swap with: Buğra Malkara

Cancel RequestView Details

CS315 Midterm Proctoring

April 5, 2025 | 09:00 - 11:00 | EA-502

Swapped with: Ayşe Vildan Çetin

View Details

CS319 Project Grading

February 15, 2025 | 13:00 - 17:00

Requested to swap with: Ahd Alaryan

View Details

Offer Task for Swap

You are offering your task for swap. Other TAs will be able to see this offer and request to swap with you.

Task Details

CS101 Lab Session

Date: March 29, 2025

Time: 10:00 - 12:00

Location: EA-409

Additional Notes

Add any additional information about this swap offer

Swap Preferences

☒ Open to any task swap

☐ Prefer tasks on specific days

☐ Prefer tasks at specific times

Cancel

Post Swap Offer

ers

EA-502

Pending Action

EA-409

Pending Action

swap

Date & Time

Actions

Mar 29, 2025 | 10:00 - 12:00

Offer Swap

Apr 10, 2025 | 13:00 - 15:00

Offer Swap

May 15, 2025 | 09:00 - 12:00

Offer Swap

TA Management System

HomeMy ProfileMy TasksLeave RequestsSwap Requests

3

Kamil Berkay Çetin

Leave Requests

New Leave Request

My Leave Requests

Reason	Start Date	End Date
Conference Attendance - ICSE 2025	Apr 10, 2025	Apr 15, 2025
Medical Leave	Mar 20, 2025	Mar 22, 2025
Family Emergency	Feb 15, 2025	Feb 18, 2025
Personal Leave	Jan 10, 2025	Jan 12, 2025

New Leave Request

Leave Type

Conference/Academic Event

Reason

Brief description of your leave reason

Start Date

mm/dd/yyyy

End Date

mm/dd/yyyy

Detailed Description

Provide more details about your leave request

Supporting Documents

Choose Files

No file chosen

Upload any relevant documents (e.g., medical certificates, conference invitations)

Warning: You have 2 assigned tasks during this period. These tasks will need to be reassigned if your leave is approved.

Cancel

Submit Request

ected

Leave Summary

Leave Statistics

Total Requests

4

Approved

2

Pending

1

Rejected

1

Total Days Taken

10 days

Leave Distribution

My Tasks

+ Submit Completed Task

AllUpcomingCompletedPending Approval

Schedule - March 2025

<>

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11 CS101 Lab (10:00-12:00)	12 CS315 Grading (14:00-16:00)	13	14
15 Office Hours (13:00-15:00)	16 CS319 Lab (14:00-16:00) CS101 Grading (16:00-18:00)	17	18 CS101 Lab (10:00-12:00)	19	20	21
22 Office Hours (13:00-15:00)	23	24	25 CS101 Lab (10:00-12:00)	26 CS315 Midterm Proctor (09:00-11:00)	27	28
29 Office Hours (13:00-15:00)	30	31				

Upcoming Tasks

CS101 Lab Session  
Room: EA-409  
10:00 - 12:00  
Today

CS315 Grading  
Assignment 3 - 25 submissions  
14:00 - 16:00  
Tomorrow

Office Hours  
Room: EA-502  
13:00 - 15:00  
March 22

CS315 Midterm Proctoring  
Room: BZ-02  
09:00 - 11:00  
March 26

Pending Approval

CS319 Project Grading  
Milestone 1 - 10 groups  
Submitted: March 10, 2025  
Pending

CS101 Lab Assistance  
Extra lab session  
Submitted: March 8, 2025  
Pending

Recently Completed






CS101 Lab Session  
Introduction to Arrays  
Approved

Leave Requests

+ New Leave Request

My Leave Requests

AllPendingApprovedRejected

Reason	Start Date	End Date	Duration	Status	Actions
Conference Attendance - ICSE 2025	Apr 10, 2025	Apr 15, 2025	6 days	Approved	
Medical Leave	Mar 20, 2025	Mar 22, 2025	3 days	Pending	 
Family Emergency	Feb 15, 2025	Feb 18, 2025	4 days	Approved	
Personal Leave	Jan 10, 2025	Jan 12, 2025	3 days	Rejected	

Leave Summary

Leave Statistics

Total Requests

4

Approved

2

Pending

1

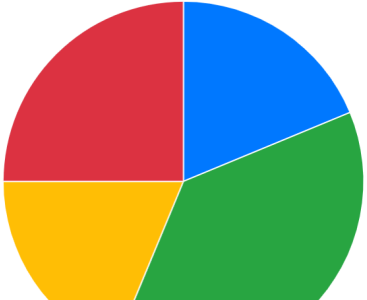
Rejected

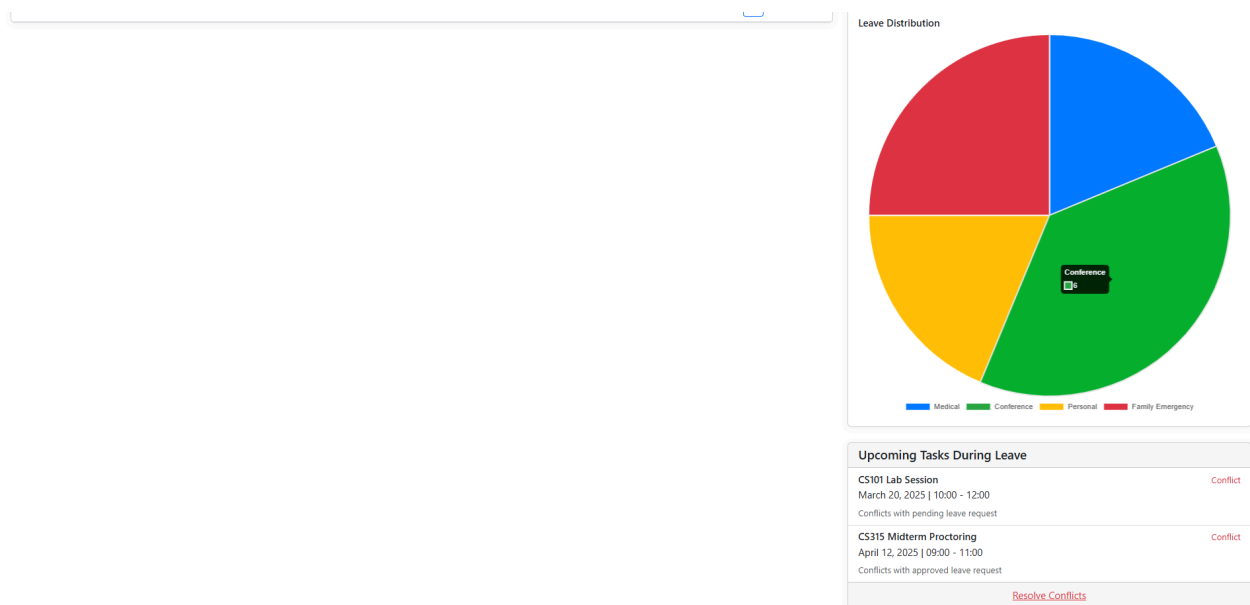
1

Total Days Taken

10 days

Leave Distribution





TA Management System

HomeManage TAsAssign TasksDefine ExamsAssign

Dr. John Smith

Define Exams

Upcoming Exams

**CS101 Midterm Exam**  
Date: March 25, 2025 | Time: 10:00 - 12:00  
Rooms: EA-409, EA-410, EA-411  
Proctors Needed: 6 | Students: 100

Assign ProctorsEdit ExamGenerate Lists

**CS315 Final Exam**  
Date: April 15, 2025 | Time: 09:00 - 11:00  
Rooms: BZ-01, BZ-02  
Proctors Needed: 4 | Students: 120

View AssignmentsEdit ExamGenerate Lists

Define New Exam

Course

Select Course

Exam Type

Select Type

Date

mm/dd/yyyy

Start Time

Duration (minutes)

Number of Students

Required Rooms

EA-409  
EA-410  
EA-411  
BZ-01

Hold Ctrl/Cmd to select multiple rooms

Number of Proctors Needed

Cancel

Define Exam

Exam Statistics

Upcoming Exams Overview

Total Exams  
Pending Proctors  
Fully Assigned

Room Allocation

Available (50%)Allocated (40%)

Quick Actions





Export Exam Schedule  
Review Proctor Assignments  
Print Room Lists

Teaching Assistants Overview

+ Add New TA

Export List

Active Teaching Assistants

Name	Course	Status	Current Workload	Actions
Ayşe Vildan Çetin	CS315	Active	13/20 hours	<div> </div>
Mehmet Yılmaz	CS319	On Leave	8/20 hours	<div> </div>

TA Statistics

Workload Distribution

Under Load (40%)

Optimal (35%)

Over Load (25%)

TA Status Overview

Active TAs

On Leave

Inactive


15


3

2

TA Management System

[Home](#) [Manage TAs](#) [Assign Tasks](#) [Define Exams](#) [Assign Proctors](#)

 2

 Dr. John Smith

Task Assignment

+ Create New Task

Manual Automatic

Current Tasks

CS315 Lab Session

Monday, 13:40-15:30 | Lab Room: PC Lab-1

Required Skills: C++, Programming Languages

Assign TA

Edit Task

CS319 Project Grading

Due: April 10, 2025 | Estimated Hours: 10

Assigned to: Ayşe Vildan Çetin, Mehmet Yılmaz

Modify Assignment

View Details

CS315 Office Hours

Wednesday, 15:40-17:30 | Room: EA-502

Required Skills: Programming Languages, Student Support

Assign TA

Edit Task

Create New Task

Task Name

Course

Select Course

Task Type

Select Type

Date/Time

mm/dd/yyyy --:-- --

Duration (hours)

Required Skills

e.g., C++, Java, Web Development

Cancel

Create Task

Available TAs

Search TAs...

Ayşe Vildan Çetin

Available

Skills: C++, Java, Programming Languages

Current Load: 13/20 hours

Mehmet Yılmaz

On Leave


Skills: Python, Web Development

Current Load: 8/20 hours



Define Exams

+ Define New Exam

 View Calendar

Upcoming Exams

CS101 Midterm Exam

Date: March 25, 2025 | Time: 10:00 - 12:00

Rooms: EA-409, EA-410, EA-411

Proctors Needed: 6 | Students: 180

Assign Proctors

Edit Exam

Generate Lists

Pending Proctors

CS315 Final Exam

Date: April 15, 2025 | Time: 09:00 - 11:00

Rooms: BZ-01, BZ-02

Proctors Needed: 4 | Students: 120

View Assignments

Edit Exam

Generate Lists

Proctors Assigned

Exam Statistics

Upcoming Exams Overview

Total Exams

8

Pending Proctors

3

Fully Assigned

5

Room Allocation

Available (60%)

Allocated (40%)

Quick Actions

 Export Exam Schedule

 Review Proctor Assignments

 Print Room Lists

Task Assignment

+ Create New Task

Manual

Automatic

Current Tasks

CS315 Lab Session

Monday, 13:40-15:30 | Lab Room: PC Lab-1

Required Skills: C++, Programming Languages

Assign TA

Edit Task

Assigned

CS319 Project Grading

Due: April 10, 2025 | Estimated Hours: 10

Assigned to: Ayşe Vildan Çetin, Mehmet Yılmaz

Modify Assignment

View Details

Assigned

CS315 Office Hours

Wednesday, 15:40-17:30 | Room: EA-502

Required Skills: Programming Languages, Student Support

Assign TA

Edit Task

Available TAs

Search TAs...



Ayşe Vildan Çetin

Skills: C++, Java, Programming Languages

Current Load: 13/20 hours

Available

Mehmet Yılmaz

Skills: Python, Web Development

Current Load: 8/20 hours

On Leave

TA Management System

HomeManage TAsAssign TasksDefine ExamsAssign Proctors

2

Dr. John Smith

Task Assignment

Current Tasks

CS315 Lab Session

Monday, 13:40-15:30 | Lab Room: PC Lab-1

Required Skills: C++, Programming Languages

Assign TAAEdit Task

CS319 Project Grading

Due: April 10, 2025 | Estimated Hours: 10

Assigned to: Ayşe Vildan Çetin, Mehmet Yılmaz

Modify AssignmentView Details

CS315 Office Hours

Wednesday, 15:40-17:30 | Room: EA-502

Required Skills: Programming Languages, Student Support

Assign TAAEdit Task

Assign Task - CS315 Lab Session

Available TAs

Search TAs...

Ayşe Vildan Çetin

Skills: C++, Java, Programming Languages

Current Load: 13/20 hours

Available

Selected TAs

CancelAssign Task

Create New Task

ManualAutomatic

Search

Ayşe Vildan Çetin

Skills: C++, Java, Programming Languages

Current Load: 13/20 hours

Available

Mehmet Yılmaz

Skills: Python, Web Development

Current Load: 8/20 hours

On Leave

TA Management System

HomeManage TAsAssign TasksDefine ExamsAssign Proctors

2

Dr. John Smith

Proctor Assignment

Upcoming Exams

CS101 Midterm Exam

Date: March 25, 2025 | Time: 10:00 - 12:00

Rooms: EA-409, EA-410, EA-411

Proctors Needed: 6 | Assigned: 2

Assign ProctorsView Details

CS315 Final Exam

Date: April 15, 2025 | Time: 09:00 - 11:00

Rooms: 8Z-01, 8Z-02

Proctors Needed: 4 | Assigned: 4

Modify AssignmentsView Details

CS319 Project Presentations

Date: April 5, 2025 | Time: 13:00 - 17:00

Rooms: EA-502

Proctors Needed: 3 | Assigned: 1

Assign ProctorsView Details

Assign Proctors - CS101 Midterm

Manual AssignmentAutomatic Assignment

Available TAs

Search TAs...

Name	Workload	Actions
Ayşe Vildan Çetin	24h/80h	➔
Buğra Malkara	16h/80h	➔
Kamil Berkay Çetin	48h/80h	➔

Selected TAs

Name	Room	Actions
Ahmed Alaryan	EA-409	⬅️
Arda Kiro	EA-410	⬅️

CancelSave Assignments

Define New Exam

ManualAutomatic

Search

Name	Workload	Status	Actions
Ayşe Vildan Çetin	24h/80h	Available	Assign
Buğra Malkara	16h/80h	Available	Assign
Kamil Berkay Çetin	48h/80h	Available	Assign
Ali Yılmaz	28h/80h	Class Conflict	Assign
Zeynep Kaya	20h/80h	On Leave	Assign

Save AssignmentsCancel





## Reset Password

Bilkent ID

Send Reset Link

[Back to Login](#)



## Proctor and TA Management System

Bilkent ID

Password



Login

[Forgot Password?](#)

User Management

User List

Search users...

Name	Role	Email	Status	Last Login	Actions
John Smith	Administrator	john.smith@bilkent.edu.tr	0	2025-03-16 21:15	<div><div></div><div></div></div>
Jane Doe	Instructor	jane.doe@bilkent.edu.tr	Active	2025-03-16 20:45	<div><div></div><div></div></div>
Ali Yilmaz	1	ali.yilmaz@bilkent.edu.tr	0	Never	<div><div></div><div></div></div>

Previous

1

2

3

Next

User Statistics

User Distribution

Admin (10%)

Instructors (30%)

TA's (60%)

Account Status

Active Users

45

Pending Activation

1

Inactive Users

2

Recent Activity

New User Registration

Ali Yilmaz registered as TA

3m ago

Role Update

Jane Doe promoted to Instructor

1h ago

System Logs

Filters

Date Range

03/09/2025

03/16/2025

Log Level

Error

Warning

Info

Debug

Module

Authentication

User Management

Task Assignment

Exam Management

User Type

Administrator

Instructor

TA

System

Apply Filters

Log Entries

Search logs...

Timestamp	Level	Module	User	Message	Actions
2025-03-16 21:34:10	ERROR	Authentication	john.smith	Failed login attempt: Invalid credentials	<div><div></div></div>
2025-03-16 21:33:45	WARNING	Task Assignment	jane.doe	TA workload exceeds recommended limit	<div><div></div></div>
2025-03-16 21:32:30	INFO	User Management	admin	New user account created: ali.yilmaz	<div><div></div></div>
2025-03-16 21:31:15	DEBUG	System	system	Automated backup completed successfully	<div><div></div></div>

Previous

1

2

3

Next

Log Statistics

Log Level Distribution

Error (10%)

Warning (30%)

Info (40%)

Debug (20%)

Module Activity

Auth (25%)

Tasks (35%)

Users (40%)

TA Management System

HomeSystem ConfigurationUser ManagementSystem Logs

1System Admin

Global Parameters

Save Changes

Current Semester

Spring 2025

Maximum TA Workload (hours/week)

20

System Timezone

Europe/Istanbul (UTC+3)

Email Notifications

☒ Task Assignments

☒ Exam Schedule Changes

☒ System Alerts

Backup & Maintenance

Automatic Backup Schedule

Daily at 00:00

Manual Backup

System Maintenance

Clear Cache

Enter Maintenance Mode

Role & Permission Management

Add Role

Role	Permissions	Actions
Administrator	Full Access	<div></div>
Instructor	Manage TAsAssign TasksDefine Exams	<div></div>
TA	View TasksSubmit Reportsetc. etc.	<div></div>

System Status

Server Health

CPU: 25%

Memory: 60%

Storage: 75%

Active Users

Total Online

42

Instructors

11

TAs

27

TA Management System

HomeSystem ConfigurationUser ManagementSystem Logs

2System Admin

User Management

Add User

Export Users

User List

Name	Role	Email
John Smith	Administrator	john.smith@bilkent.edu.tr
Jane Doe	Instructor	jane.doe@bilkent.edu.tr
Ali Yilmaz	3	ali.yilmaz@bilkent.edu.tr

Edit User - John Smith

Full Name

John Smith

Email

john.smith@bilkent.edu.tr

Role

Administrator

Status

Active

Cancel

Save Changes

User Statistics

User Distribution

Admin: 10%

Instructors: 50%

TAs: 60%

Account Status

Active Users

45

Pending Activation

1

Inactive Users

2

Recent Activity

New User Registration

Ali Yilmaz registered as TA

3m ago

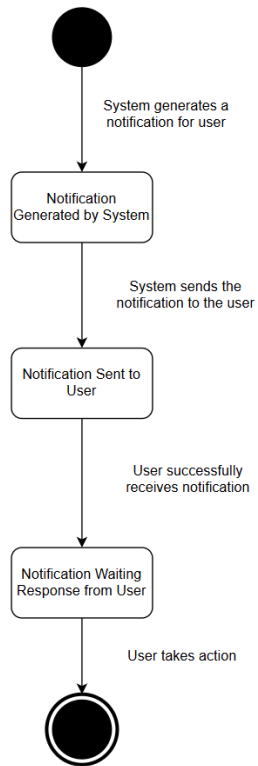
Role Update

Jane Doe promoted to Instructor

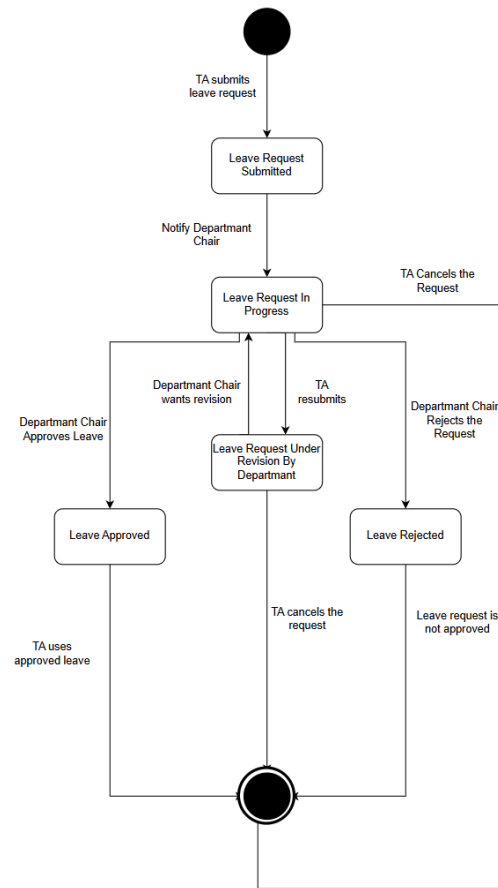
1h ago

## 6.STATE DIAGRAMS

### 6.1 State Diagram for Notification System



## State Diagram for Leave Request





## State Diagram for Swap Request

