

TA MANAGEMENT SYSTEM

DELIVERABLE 2

Emre Algür-22202673

Irmak İmdat-22201570

Ömer Yaslıtaş-21902874

Alper Yıldırım-22102033

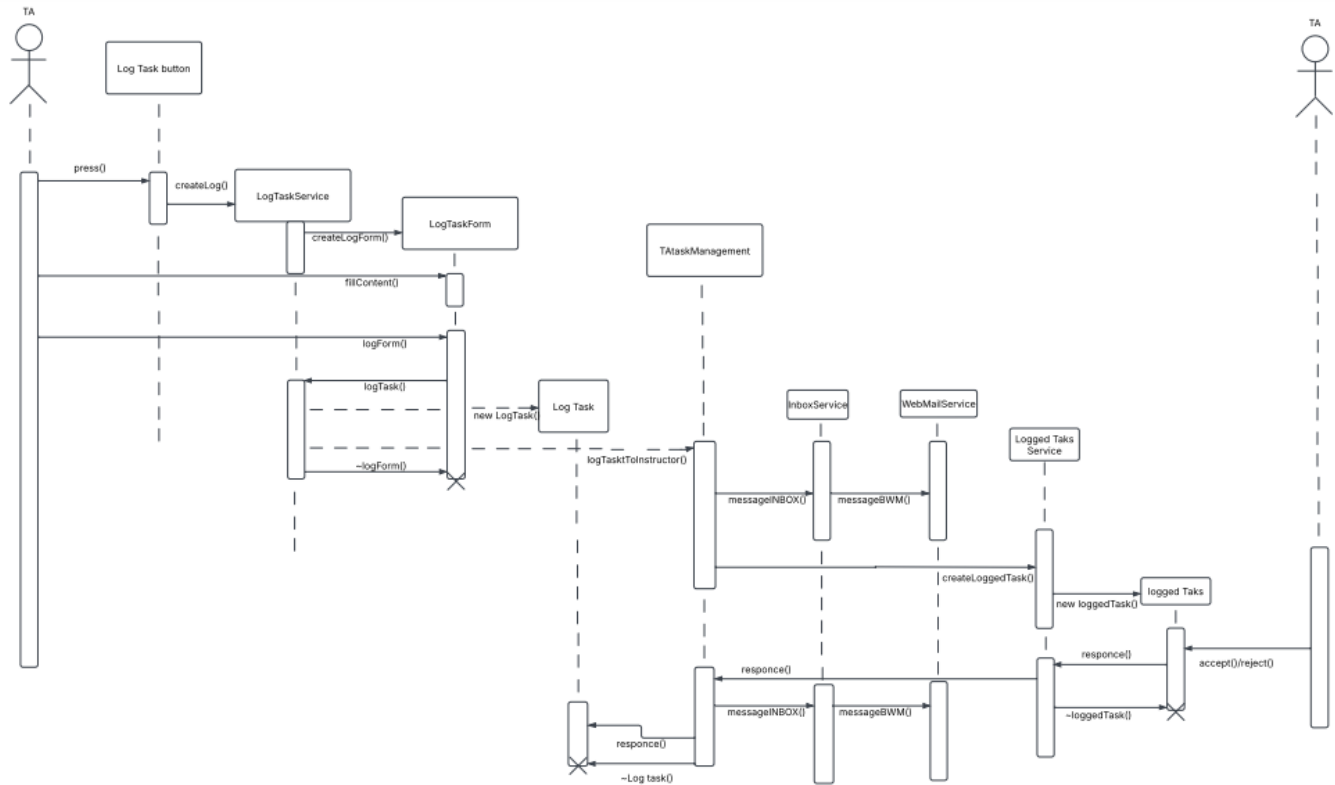
Melih Rıza Yıldız-21902958

Aykhan Ahmadzada-21903609

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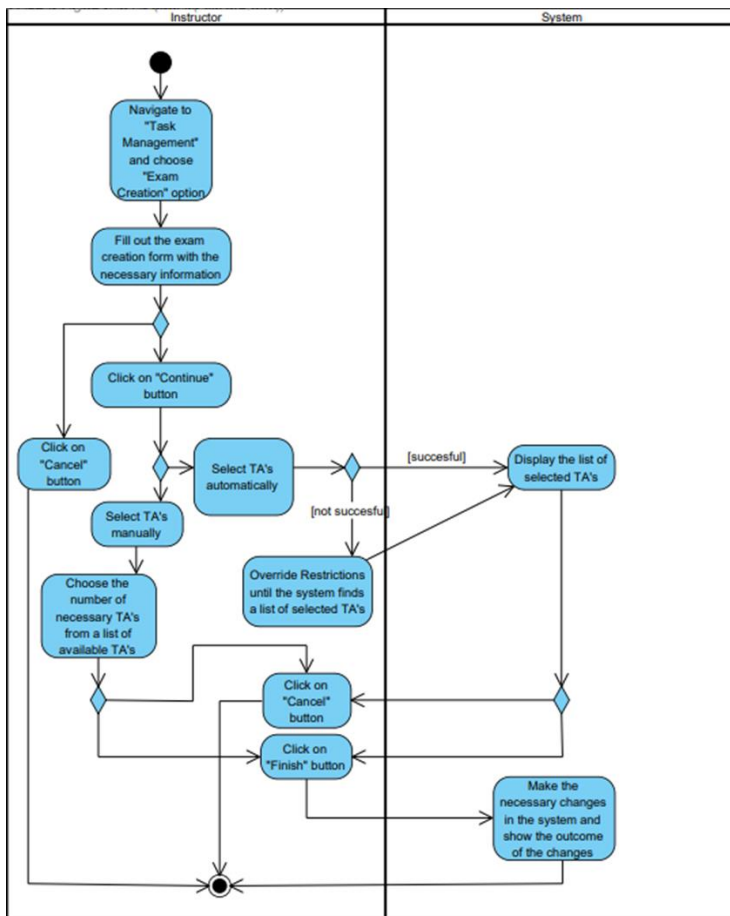
1. SEQUENCE DIAGRAM

1.1 Log Task

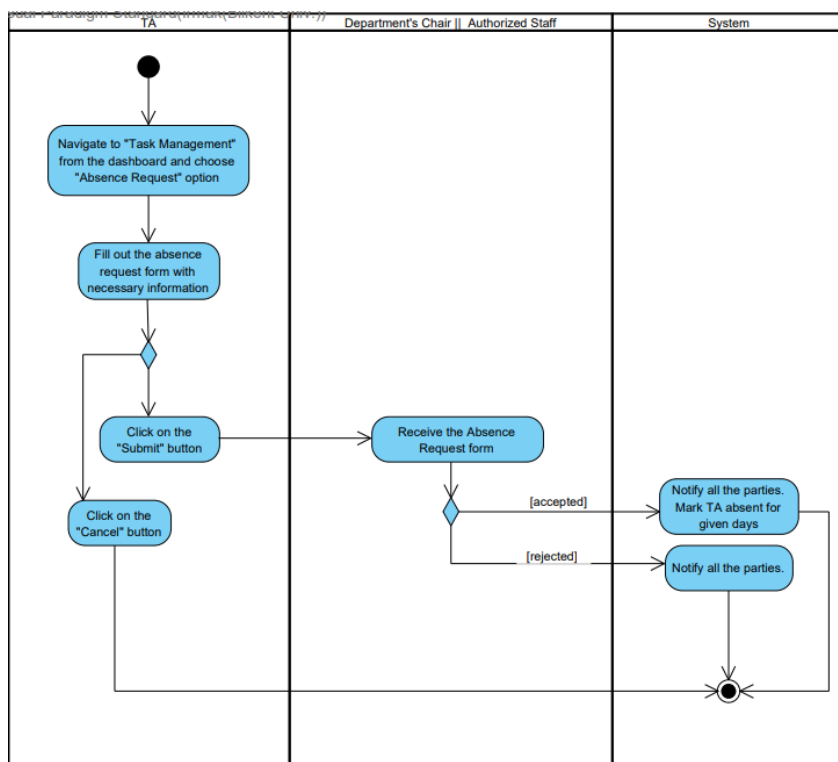


2. ACTIVITY DIAGRAMS

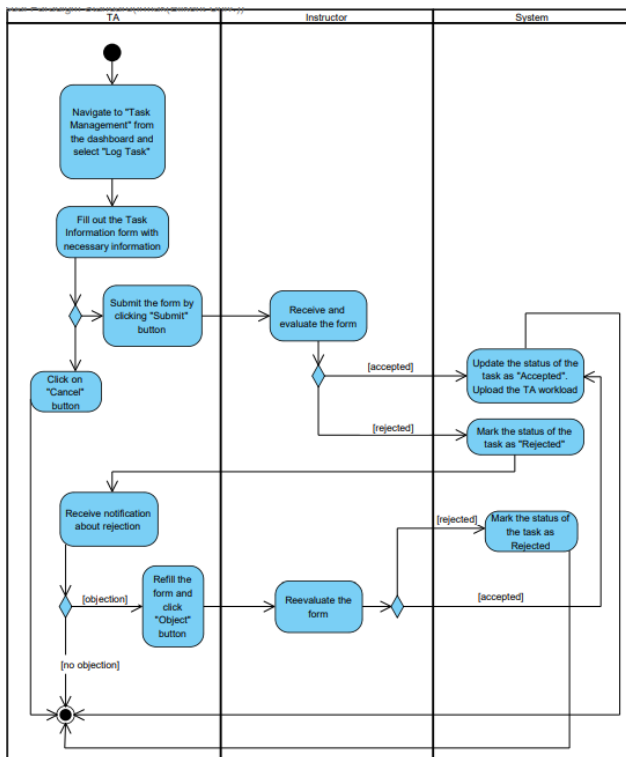
2.1 Create Exam



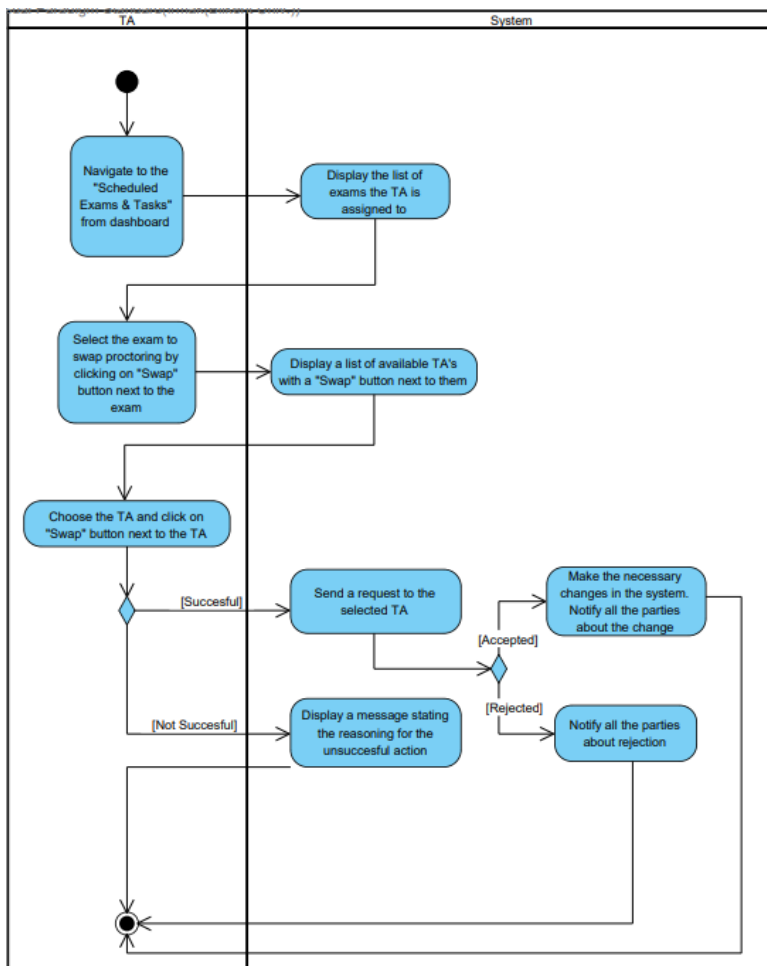
2.2 Absence Request



2.3 Log Task

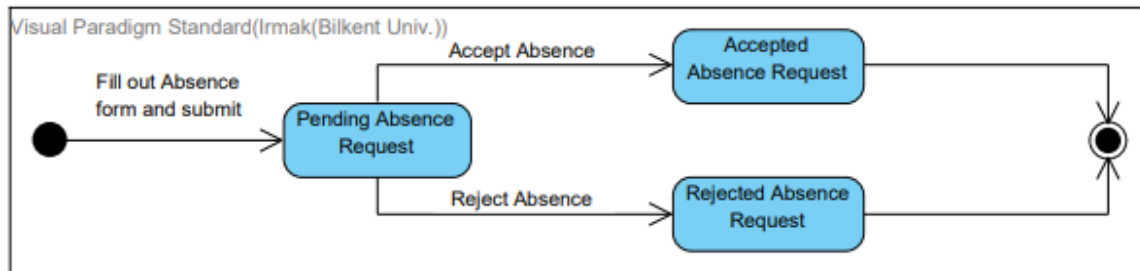


2.4 Display Exams and Tasks

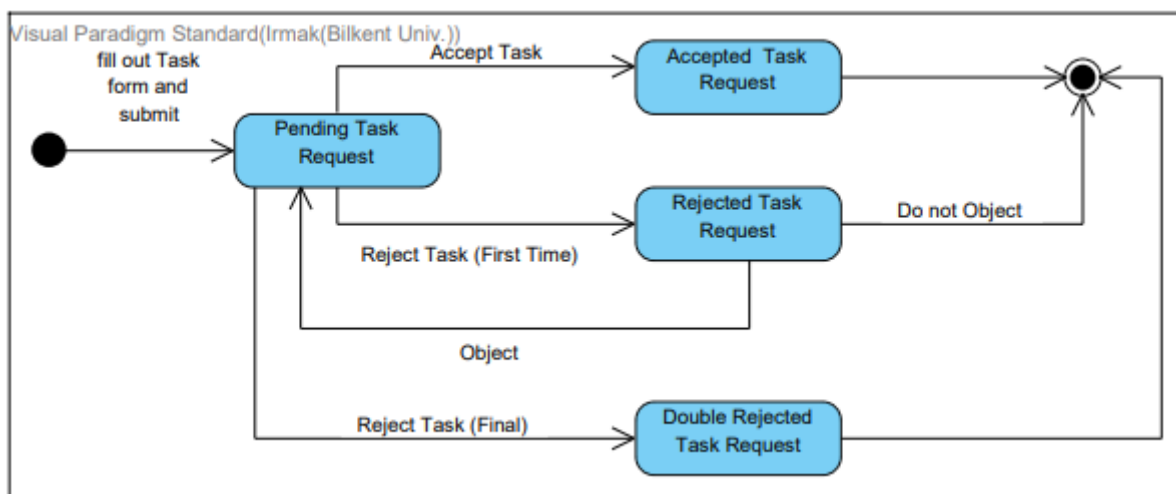


3. STATE DIAGRAMS

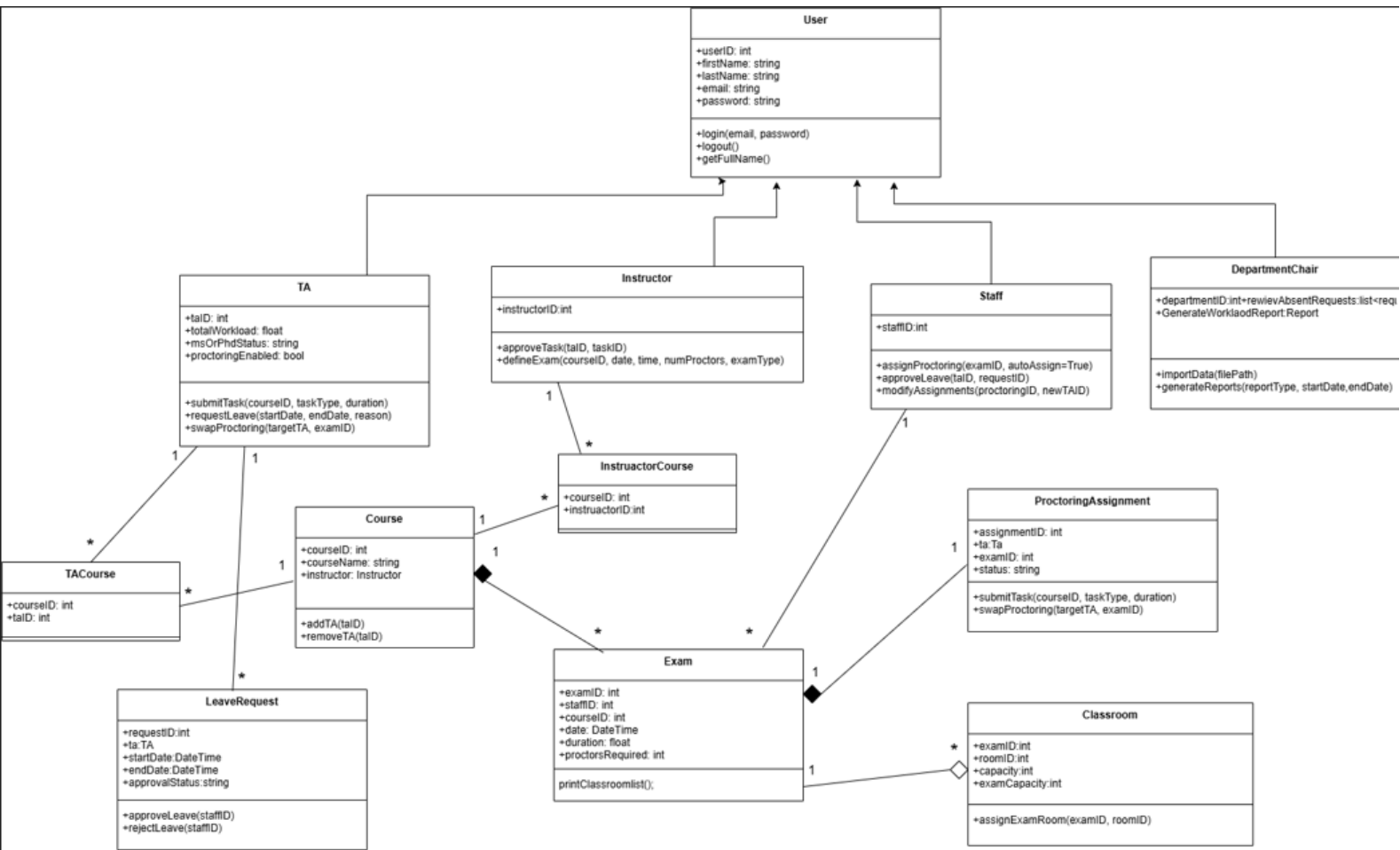
3.1 Absence Request



3.2 Evaluate Task Request



4. CLASS DIAGRAM



5. NON-FUNCTIONAL REQUIREMENTS

Quality Requirements

Usability

- Users should be able to access key pages within three clicks from the main dashboard, ensuring an intuitive and efficient navigation experience.

Reliability

- In case of a system failure or crash, the TA Management System should not experience any data loss. Weekly backups should be maintained to enable system recovery within 30 minutes.

Performance

- The application should support screen resolutions of 320x480+ pixels on mobile, 600x800+ pixels on tablets, and 1280x720+ pixels on desktops.
- The web application should be accessible on PCs, laptops, and mobile devices.
- All pages should load within three seconds on the client side for optimal user experience.
- The backend should be capable of handling at least 100 simultaneous requests from Teaching Assistants and administrators.
- Backend server response times should not exceed 2000 milliseconds.

Constraints or Pseudo Requirements

Implementation

- Users should be able to access the application using the latest two versions of Chrome (117.0+), Safari (15+), Firefox (122+), or Microsoft Edge.

Legal

- The system should display a cookie consent banner to obtain user consent before storing non-essential cookies.
- The website must comply with GDPR regulations, allowing users to request data deletion and providing clear information on data usage.

6. MOCK-UP

6.1 Login

Bilkent University Online Services



Bilkent University

Login : **TAM** - Teaching Assistant Management System

Bilkent ID

Personnel ID or Student ID number

Password

[Forgot password](#)

6.2 Absence Requests

Feedback

Home

Feedback

Feedback

Feedback

Absence Requests

Absence from Ayşe - 10.9.1446

Name

Ayşe Yıldız

ID

22501453

Date

10.9.1446

Reason

I will be in quarantine at that date. (My test is positive)

Supporting Documents

AyşeRequest.txt

AyşeRequest.pdf

Reject

Accept

6.3 Task Requests

Feedback

Home

Feedback

Feedback

Feedback

Task Requests

Task from Ayşe - 10.9.1446

Name

Ayşe Yıldız

ID

22501453

Date

10.9.1446

Task Type

Lab


Time of the task


14:00-16:00

Reject

Accept

6.4 Exams


 Exams


 Home

Exams

CS353 Midterm - 12.04.2025	Print
CS353 Final - 12.05.2025	Print
CS421 Final - 10.05.2025	Print

6.5 Swap Request

 Swap Request

 Home

Swap Request

Cancel

Reject Swap Request

Accept Swap Request

6.6 TA Assignment Override

Exams

Home

Midterm

Final

TA Assignment

Exam

CS319 Midterm

Not enough TAs met the criteria

Override Max hours per TA

Override Consecutive-day limit

Cancel

Automatic TA Selection

6.7 Absence Requests

Feedback

Home

Feedback

Feedback

Feedback

Absence Requests

+ New one

Name*

Ayşe Yıldız

ID*

22501453

Date*

10.9.1446

Task Type

Lab

Time of the task

14:00-16:00


Supporting Documents

AyşeLab.txt


Upload


Submit


6.8 Task Requests

 **Feedback**

≡ Home

 Feedback

 Feedback

 Feedback

Task Requests

+ Task from Ayşe - 10.9.1446

Name*

Ayşe Yıldız

ID*

22501453

Date*

10.9.1446

Task Type

Lab

Time of the task

15:00-17:00

Reason*

I wrote wrong time for the lab's hours, it wasn't between 09:00-05:00 but during 15:00-17:00. Also, in the documents I added which students I checked.

Supporting Documents

AyşeLab.txt

Upload

Submit

6.9 Swap Request Form

Swap Request

Home

Swap Request Form

Task

CS319 MT Proctoring

TA to swap

Ayge Yildiz

Your swap request has been sent to Ayge Yildiz. Waiting for their response...

Cancel

Send Swap Request

6.10 Exam Creation Form

Exams

Home

Midterm

Final

Exam Creation Form

Course

CS319

Place

BZ-08

Time Duration

2 hours

Date


10.9.14:46


Form is successfully created


Cancel


Finish Creating Exam


6.11 Absence Requests

 Feedback

 Home

 Feedback

 Feedback

 Feedback

Absence Requests

Select a request

+ Create new Request

Absence from Ayge - 12.09.1446

Absence from Mert - 12.09.1446

Absence from Kazem - 10.09.1446

Absence from Ayge - 10.09.1446

Absence from Mert - 10.09.1446

Absence from Kazem - 10.09.1446

Absence from Ayge - 10.09.1446

Absence from Mert - 10.09.1446


Absence from Kazem - 10.09.1446

Pending Requests

Accepted Requests


Rejected Requests


6.12 Absence Requests(TA)


 Feedback

☰

 Home

 Feedback

 Feedback

 Feedback


Absence Requests


Absence from Ayye - 10.01446


Are you sure?


NoYes


6.13 Log Requests

 Feedback

 Home

 Feedback

 Feedback

 Feedback

Task Request

Select a request

+ Log Task

Task from Ayşe - 12.09.1446

Task from Mert - 12.09.1446

Task from Kazım - 10.09.1446

Task from Ayşe - 10.09.1446

Task from Mert - 10.09.1446

Task from Kazım - 10.09.1446

Task from Ayşe - 10.09.1446

Task from Mert - 10.09.1446


Task from Kazım - 10.09.1446

Pending Requests

Accepted Requests

Rejected Requests

6.14 Absence Requests

 Feedback

Home

Feedback

Feedback

Feedback

Absence Requests

Absence from Ayşe - 10.9.1446

Are you sure?

This process cannot be turned back.


Reason for Rejection*

Type here...

No


Yes


6.15 Task Requests


 Feedback

☰

 Home

 Feedback

 Feedback

 Feedback

Task Requests

Task from Ayge - 10.9.1448

Are you sure?

This process cannot be turned back.

Reason for Rejection*

Type here...

No

Yes

6.16 Inbox

Feedback

Home

Feedback

Feedback

Feedback

Inbox

Task from Ayşe - 12.09.1446

Task from Mert - 12.09.1446

Absence from Ayşe - 12.09.1446

Absence from Mert - 12.09.1446

Task from Mert - 10.09.1446

Task from Ayşe - 10.09.1446

Task from Kaan - 10.09.1446

Absence from Kaan - 10.09.1446

Absence from Ayşe - 10.09.1446


Absence from Mert - 10.09.1446

Pending Requests


Accepted Requests


Rejected Requests


6.17 Absence Requests

 Feedback

☰ Home

 Feedback

 Feedback

 Feedback

Absence Requests

+ New one

Name*

Ayşe Yıldız

ID*

22501453

Date*

10.9.1446

Reason*

I will be in quarantine at that date. (My test is positive)

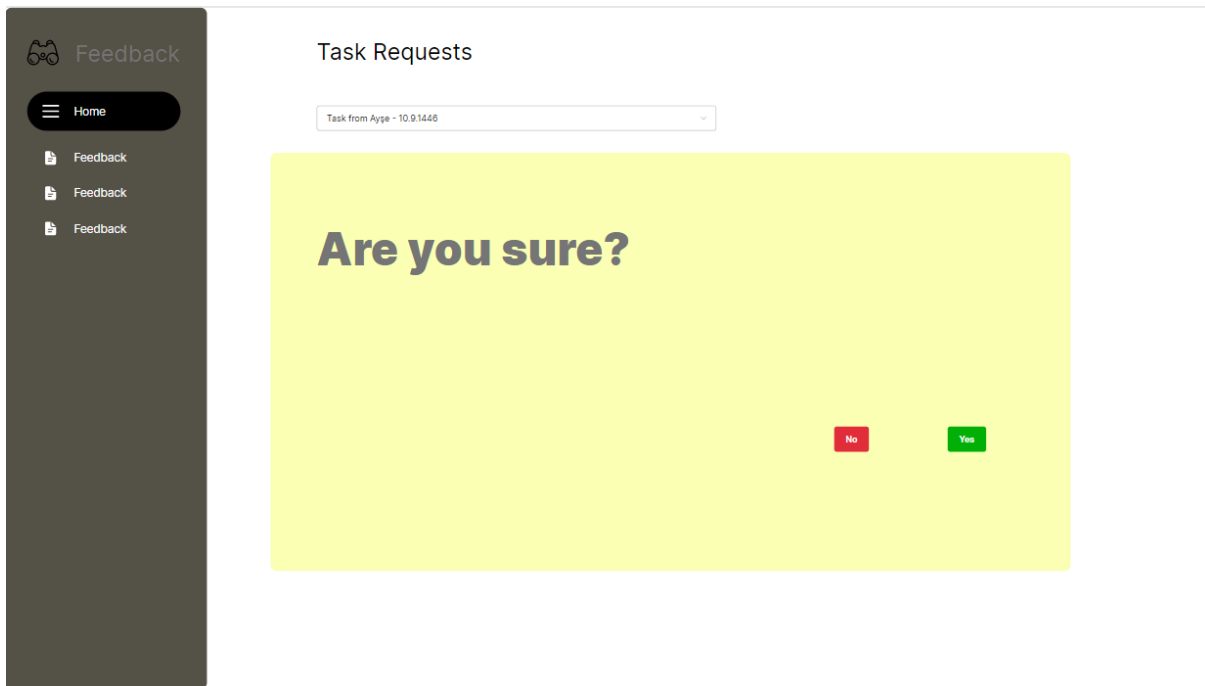
Supporting Documents

AyşeRequest.txt

Upload

Submit

6.18 Task Requests



6.19

Reports

Feedback

Home

Feedback

Feedback

Feedback

Reports

total proctoring workload per semester

Create

total TA duty per course per semester

Create

other relevant workload reports...

Create

Create