



## CS319 Term Project

Deliverable 2 - 1st Iteration

CS319 Section 1

Sami Bora Akoğuz 22202184

Ege Ertem 22202433

Can Kütükoglu 22202619

Kerem Cindaruk 22201907

Ertuğrul Malkoç 22102737

27 October 2024

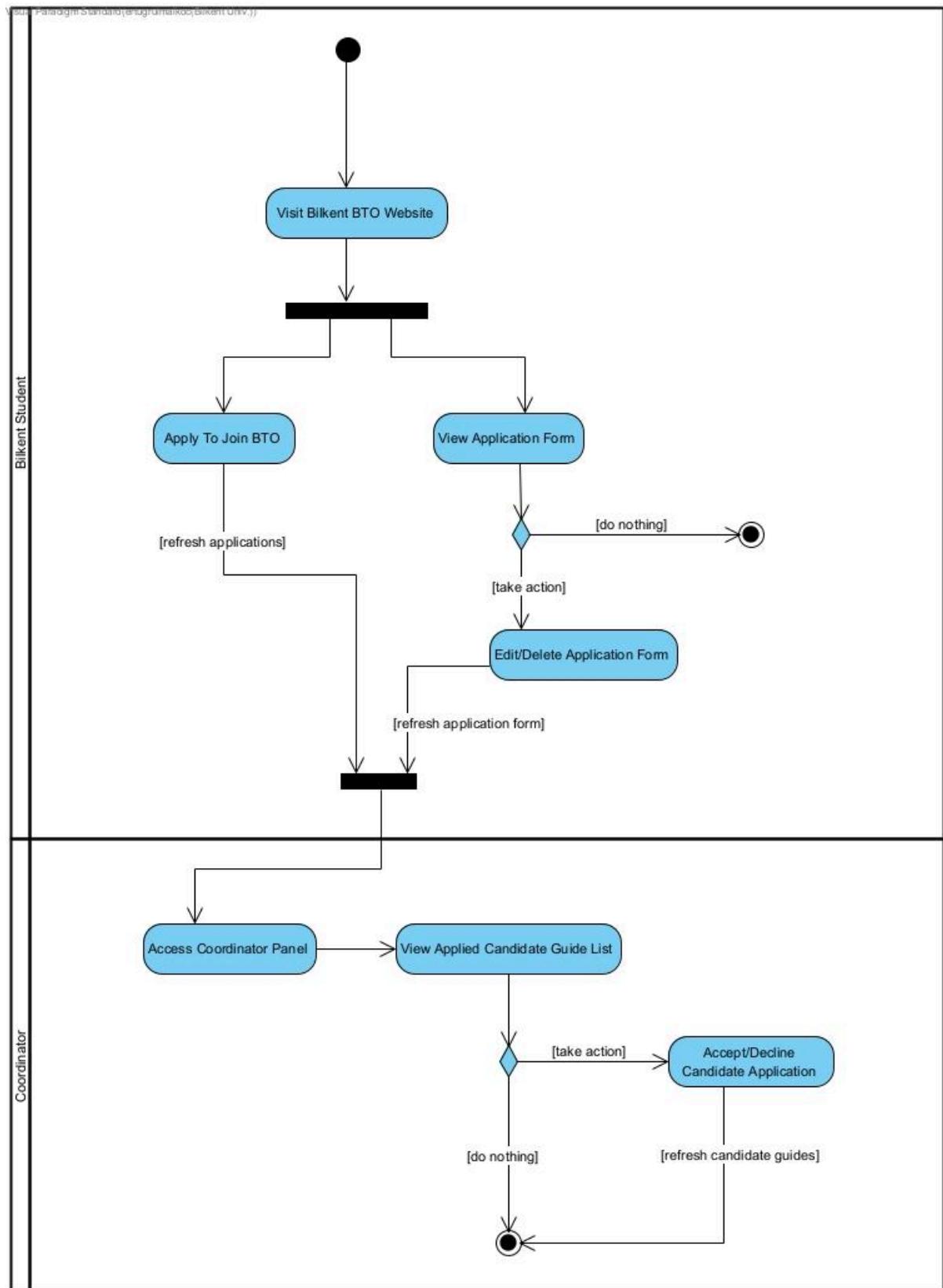
<b>1. Non-function Requirements (NFR).....</b>	<b>2</b>
<b>2. Activity Diagram.....</b>	<b>3</b>
<b>2.1 Guide Application Process.....</b>	<b>3</b>
<b>2.2 Messaging System Workflow.....</b>	<b>4</b>
<b>2.3 Tour Registration Form Submission.....</b>	<b>5</b>
<b>2.4 Survey Management Process.....</b>	<b>6</b>
<b>3. Sequence Diagram.....</b>	<b>7</b>
<b>3.1 Survey State Diagram.....</b>	<b>7</b>
<b>3.2 Tours State Diagram.....</b>	<b>7</b>
<b>4. Sequence Diagram.....</b>	<b>8</b>
<b>4.1 Tour Guide Application Sequence Diagram.....</b>	<b>8</b>
<b>5. Class Diagram.....</b>	<b>8</b>
<b>6. Mockups.....</b>	<b>8</b>

# 1. Non-function Requirements (NFR)

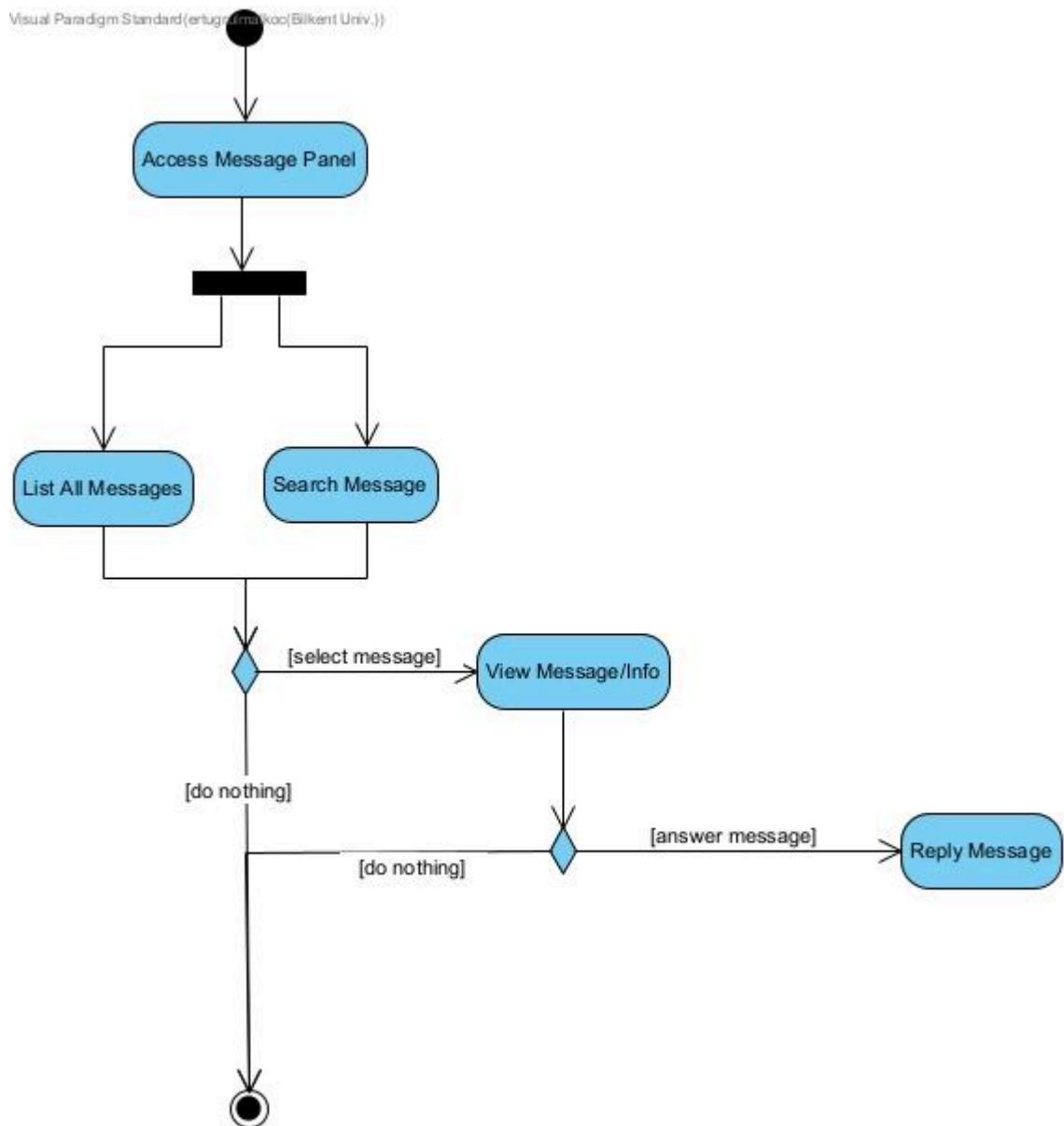
1. The emails should be sent in less than 5 minutes in order not to stress the mail system.
2. The user interface should be responsive and load data from the database in less than 5 seconds
3. The system shouldn't be down for more than an hour as any downtime more than that is going to delay tour logistics.
4. Input errors should be illegal and will be given an error message to the user when an unallowed character (emojis, foreign language letters, etc.) or format (example: a string for a date) is given as an input, for safety and organization of the database.
5. User passwords should be kept as hashes in the database to ensure privacy and satisfy cybersecurity concerns.
6. The users can access the system from desktops, mobile phones, tablets and laptops.
7. The access to the data panel and databases should be permitted to any other users rather than the owner of Bilkent Tanıtım Ofisi.

## 2. Activity Diagram

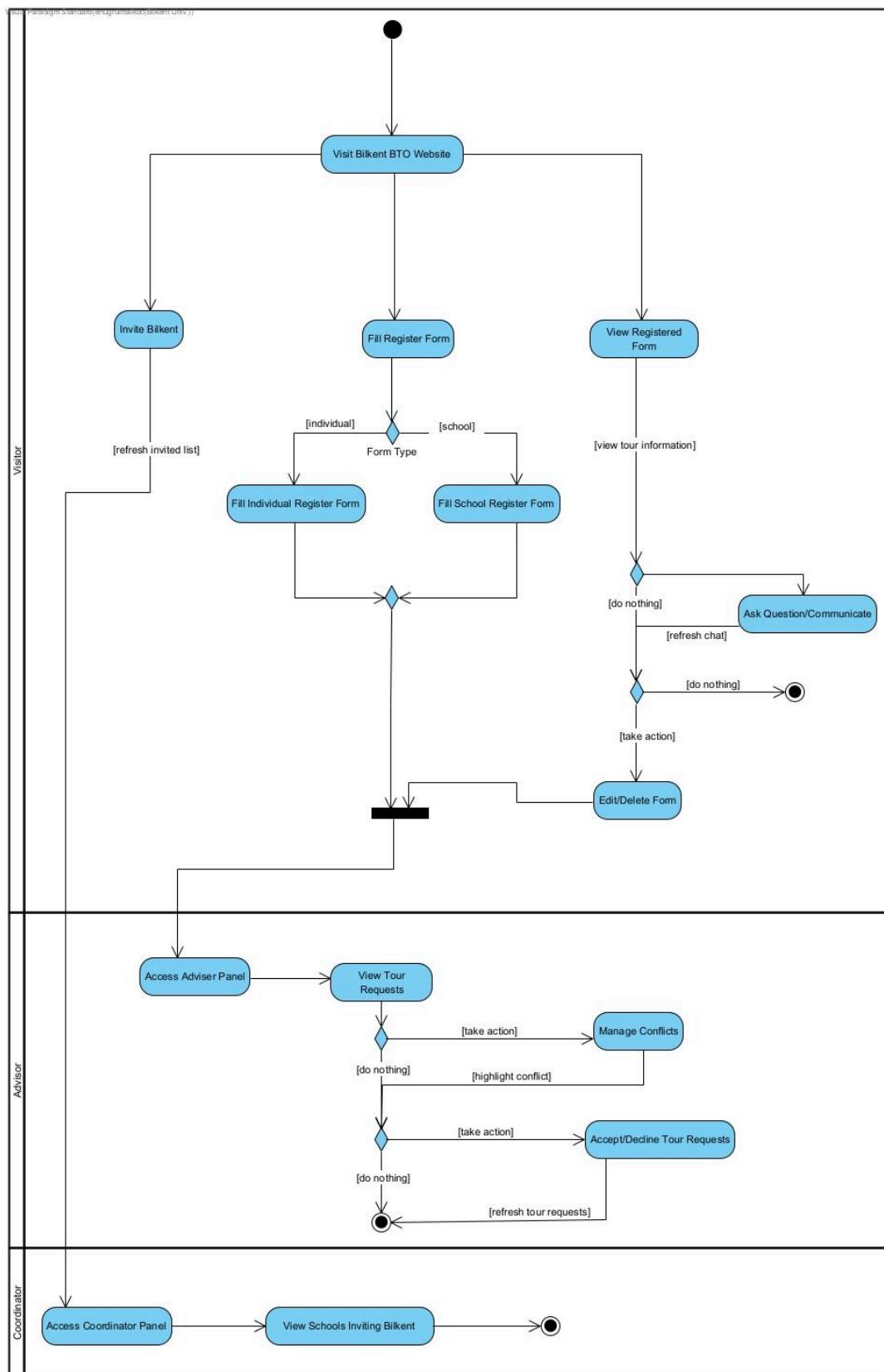
### 2.1 Guide Application Process



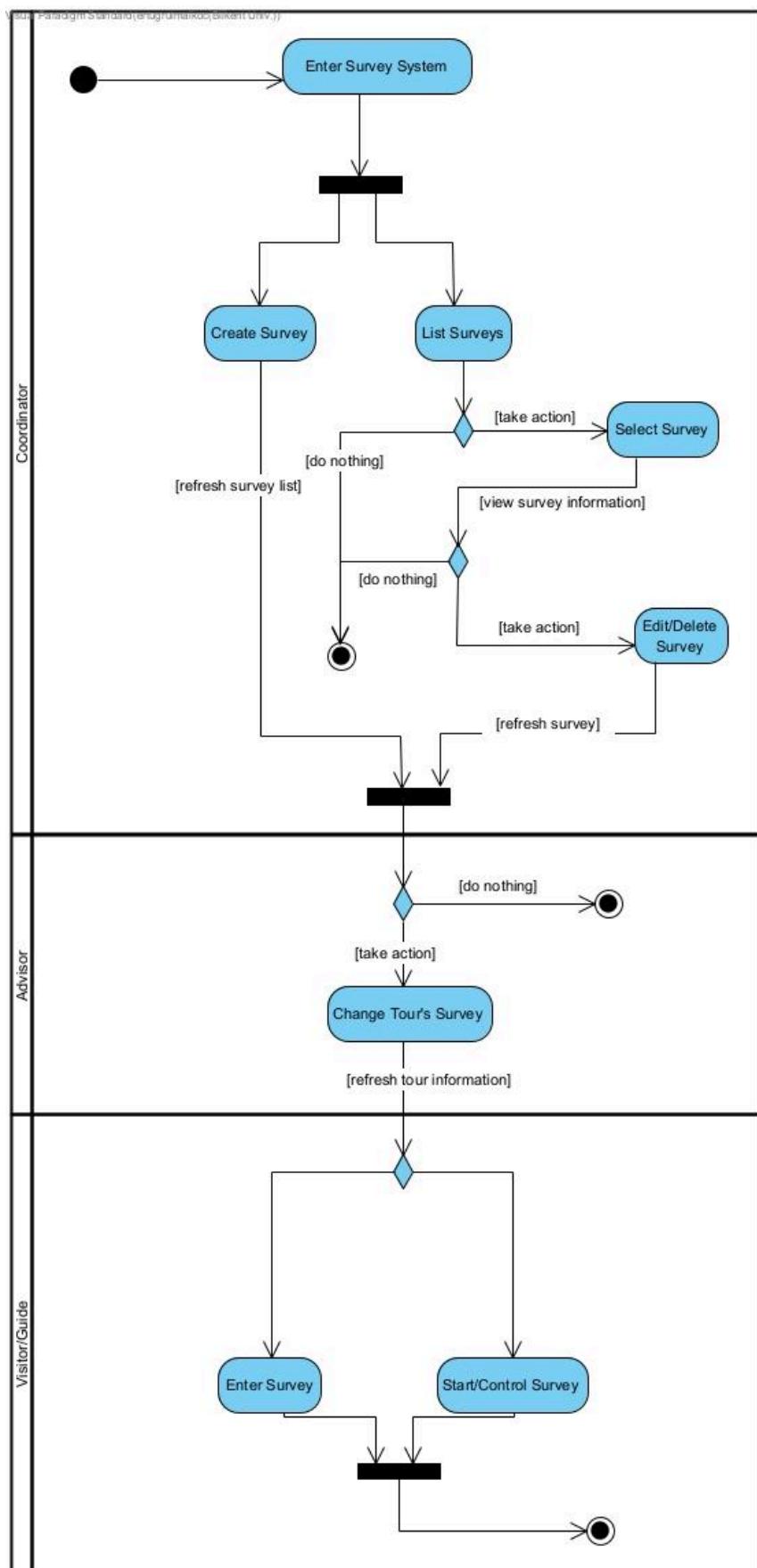
## 2.2 Messaging System Workflow



## 2.3 Tour Registration Form Submission

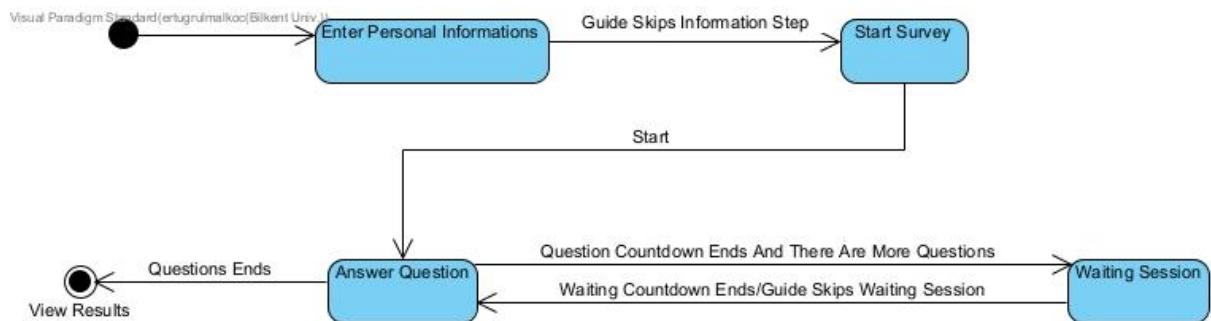


## 2.4 Survey Management Process

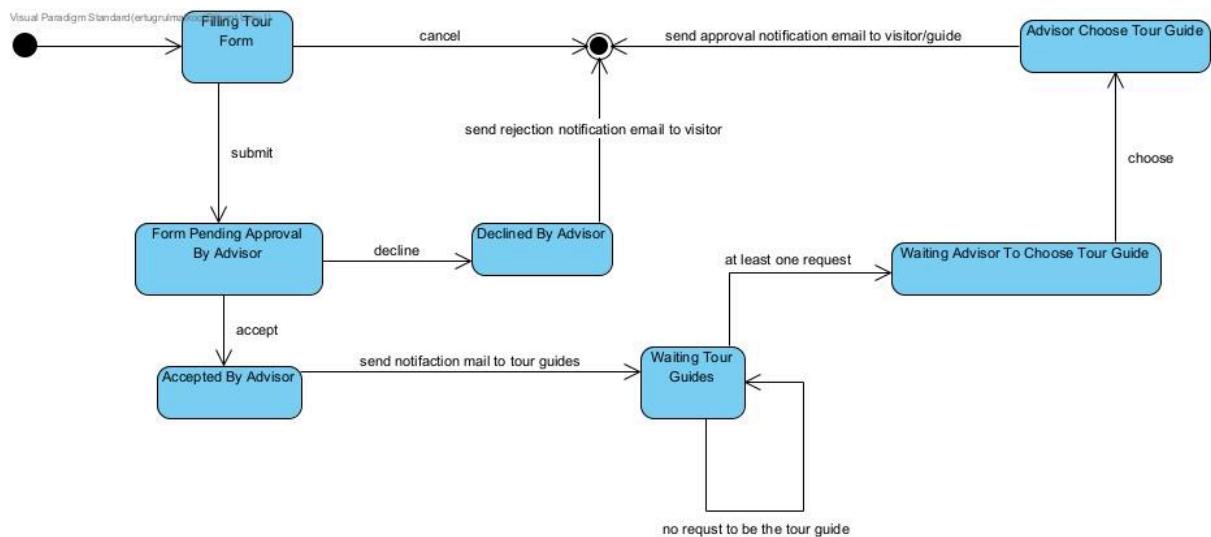


### 3. Sequence Diagram

#### 3.1 Survey State Diagram

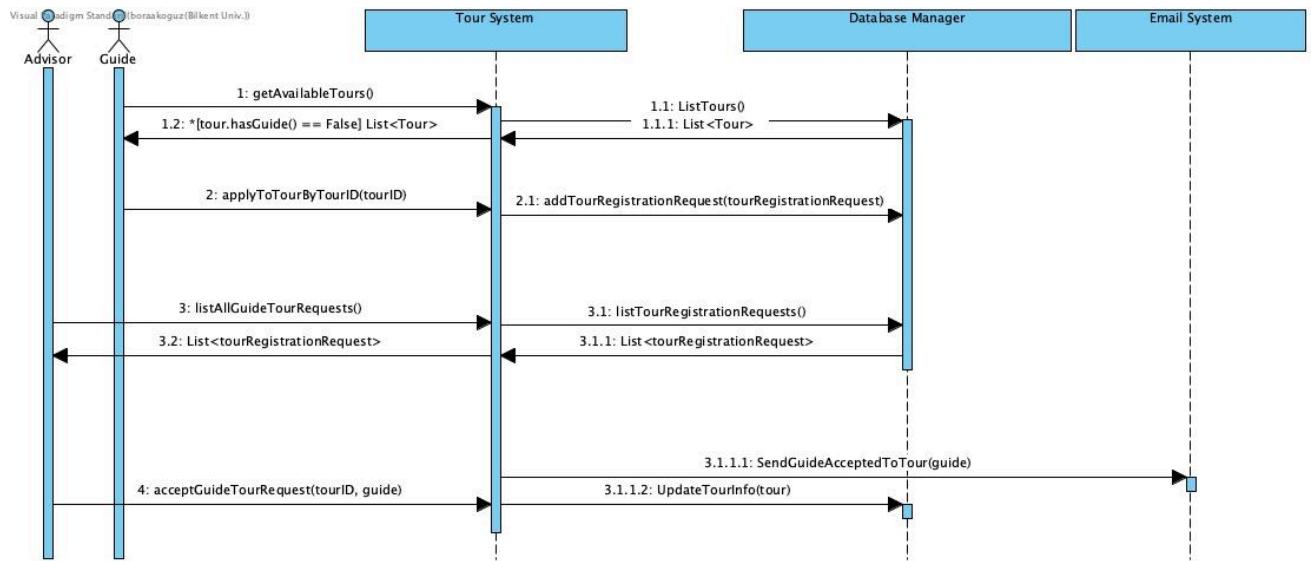


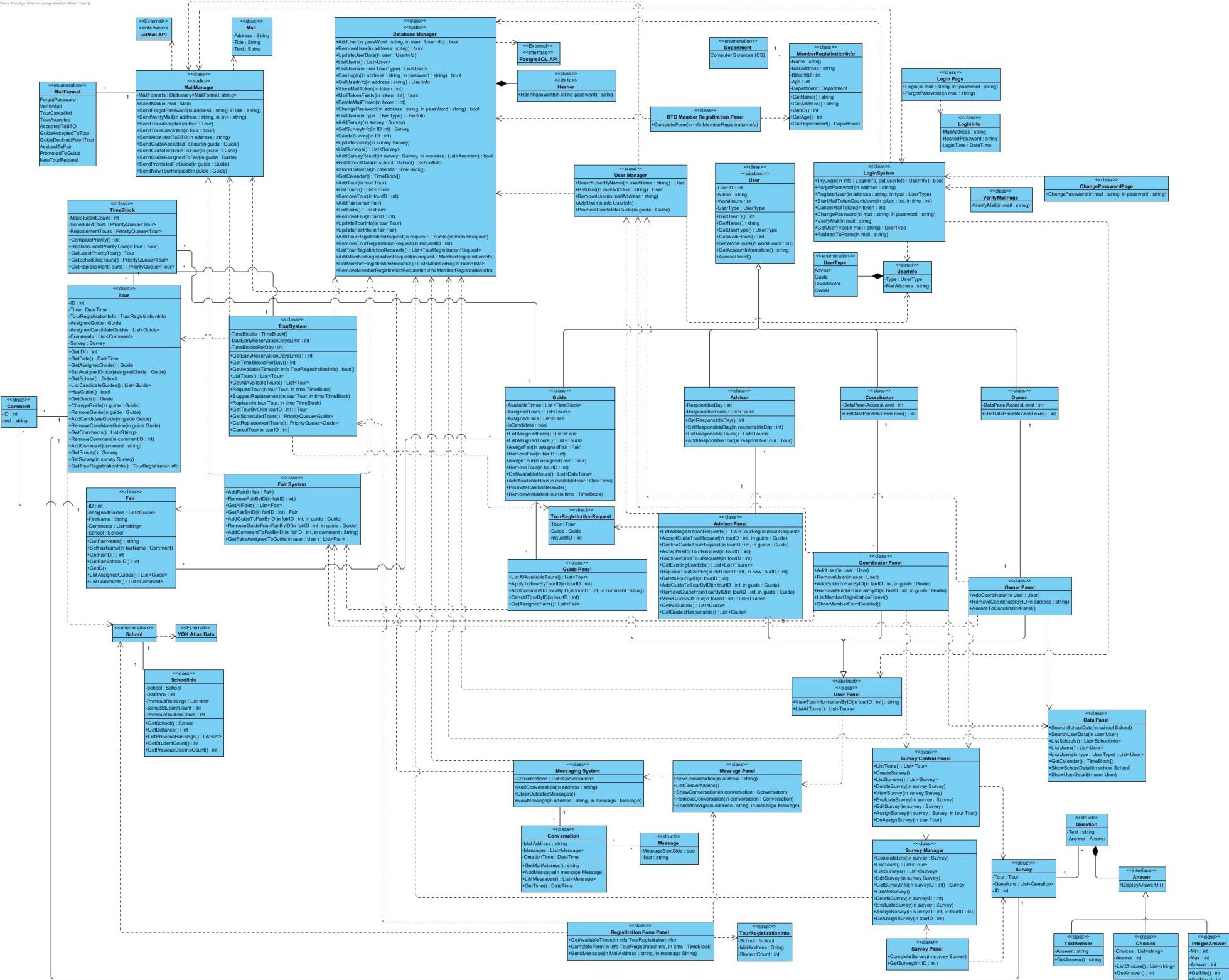
#### 3.2 Tours State Diagram



## 4. Sequence Diagram

### 4.1 Tour Guide Application Sequence Diagram





## 6. Mockups



## WELCOME TO BILKENT

[REGISTRATION FORM](#)

[VIEW REGISTRATION](#)



USERNAME

PASSWORD

LOGIN

Forgot Password?



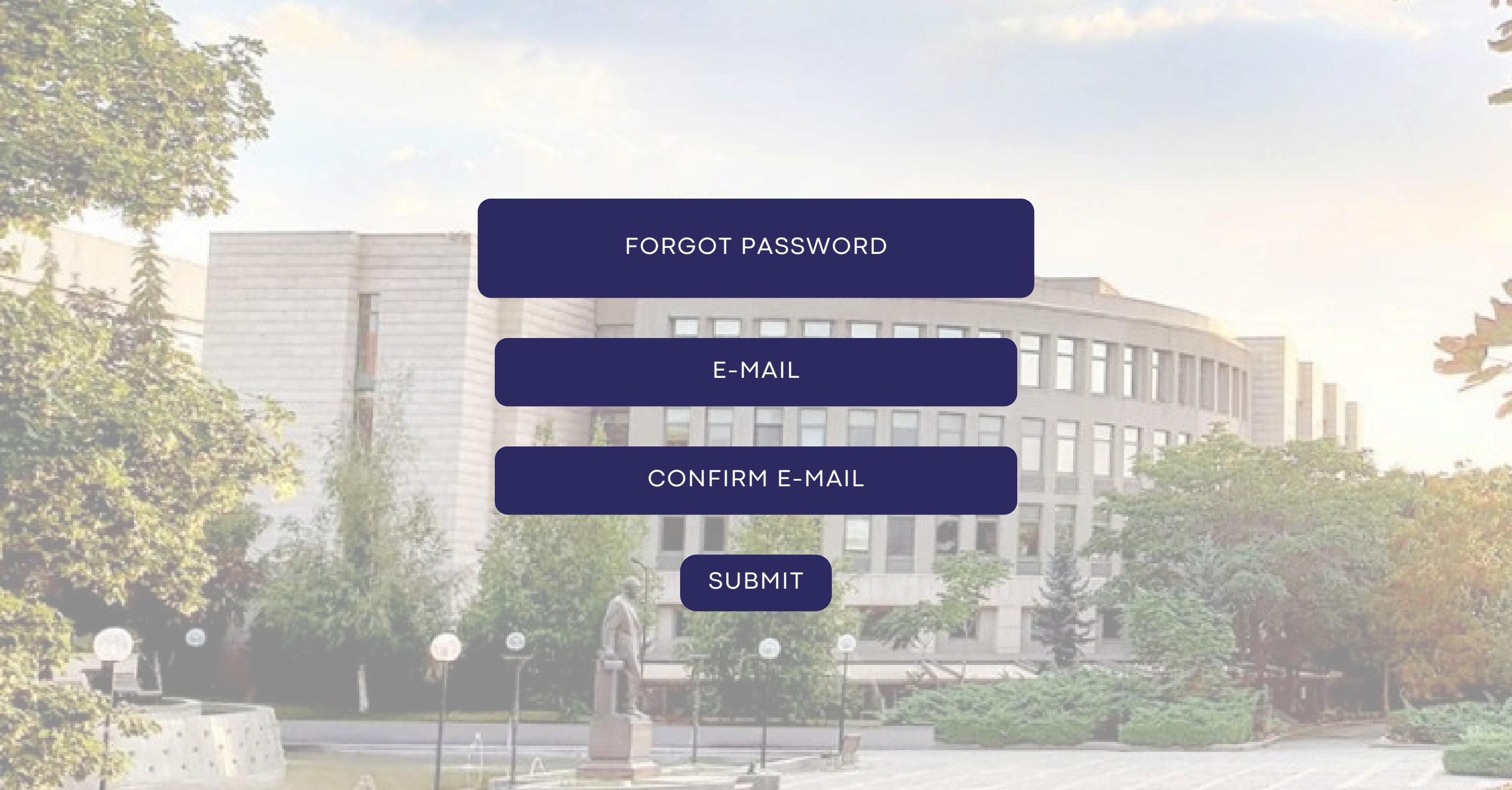
USERNAME

PASSWORD

LOGIN

INVALID USER OR PASSWORD

[Forgot Password?](#)



FORGOT PASSWORD

E-MAIL

CONFIRM E-MAIL

SUBMIT

Contact Us : XXXXX

# REGISTRATION FORM

SCHOOL REGISTRATION

INDIVIDUAL REGISTRATION

# SCHOOL REGISTRATION

School Name*	XXX
City*	XXX
Date of Visit*	XXX
Preferred Time of Visit*	XXX
Number of Visitor*	XXX

**Continue**



# SCHOOL REGISTRATION

School Name\*

XXX

City\*

You should enter  
the city

Date of Visit\*

XXX

Preferred Time of Visit\*

XXX

Number of Visitor\*

XXX



Continue

# SCHOOL REGISTRATION

Supervisor\*

XXX

Supervisor Duty\*

XXX

Supervisor Cellphone Number\*

XXX

Supervisor E-Mail\*

XXX

Notes to Consider

XXX

Submit



# INDIVIDUAL REGISTRATION

Name\*

XXX

Surname\*

XXX

Date of Visit\*

XXX

Preferred Time of Visit\*

XXX

Major Preference\*

XXX

Submit



# INVITE BILKENT FOR SCHOOL FAIRS

School Name

XXX

School Name

XXX

School Name

XXX

Supervisor\*

XXX

Supervisor Duty\*

XXX

Continue



# INVITE BILKENT FOR SCHOOL FAIRS

Supervisor Cellphone Number\*

XXX

Supervisor E-Mail\*

XXX

Notes to Consider

XXX

Submit



# INVITE BILKENT FOR SCHOOL FAIRS

Supervisor Cellphone Number\*

XXX

Supervisor E-Mail\*

You should enter an  
email address

Notes to Consider

XXX



Submit

# INVITE BILKENT FOR SCHOOL FAIRS

Supervisor Cellphone Number\*

XXX

Supervisor E-Mail\*

12345

You should enter a  
valid email address.

Notes to Consider

XXX

Submit



# JOIN BTO

Name\*

XXX

Surname\*

XXX

Bilkent ID\*

1234

Major\*

XXX

Year\*

XXX



Submit Form

# JOIN BTO

Name\*

Surname\*

Bilkent ID\*

Major\*

Year\*

XXX

XXX

1234

XXX

XXX

You should  
enter a valid ID



Submit Form

# VIEW YOUR REGISTRATION

Enter Your Registration Code

XXX

View

# VIEW YOUR REGISTRATION

Enter Your Registration Code

XXX

View

INVALID CODE

# YOUR REGISTRATION : XXX

School Name\*

XXXXXX

Supervisor Duty\*

XXXXXX

Contact with Advisors

City\*

XXXXXX

Supervisor Cellphone  
Number\*

XXXXXX

Date of Visit\*

XXXXXX

Supervisor E-Mail\*

XXXXXX

Preferred Time of  
Visit\*

XXXXXX

Notes to Consider

XXXXXX

Number of Visitor\*

XXXXXX

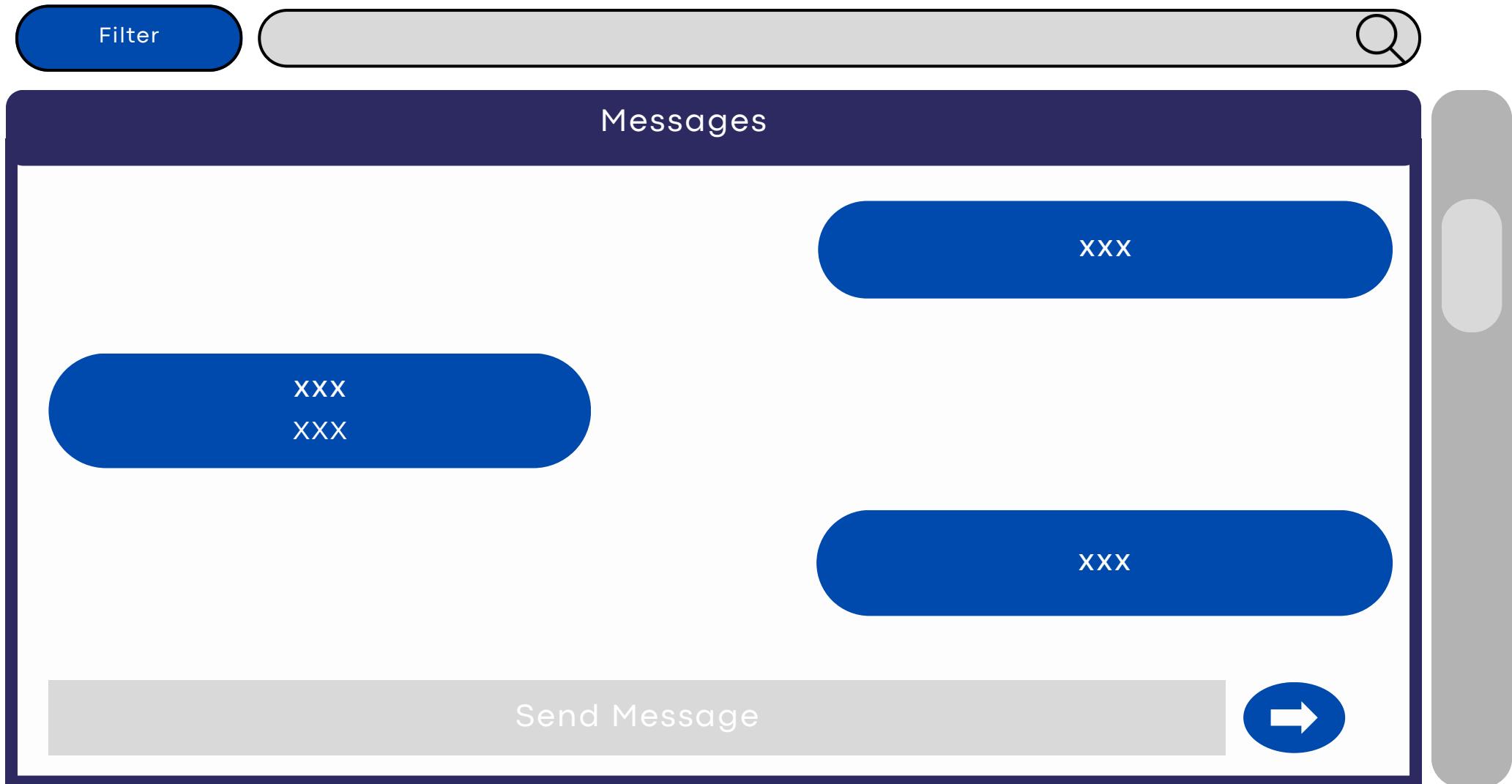
Supervisor\*

XXXXXX

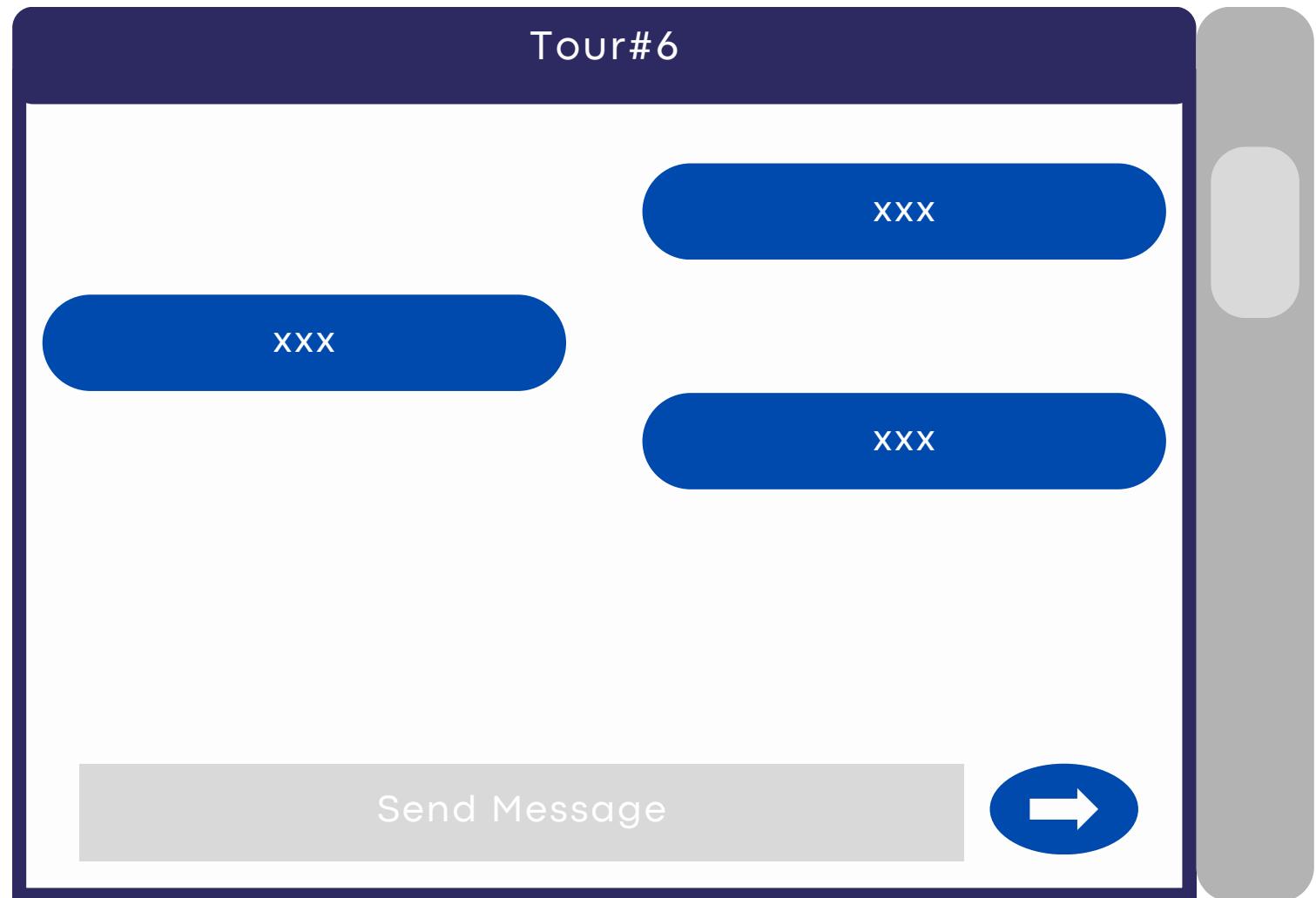
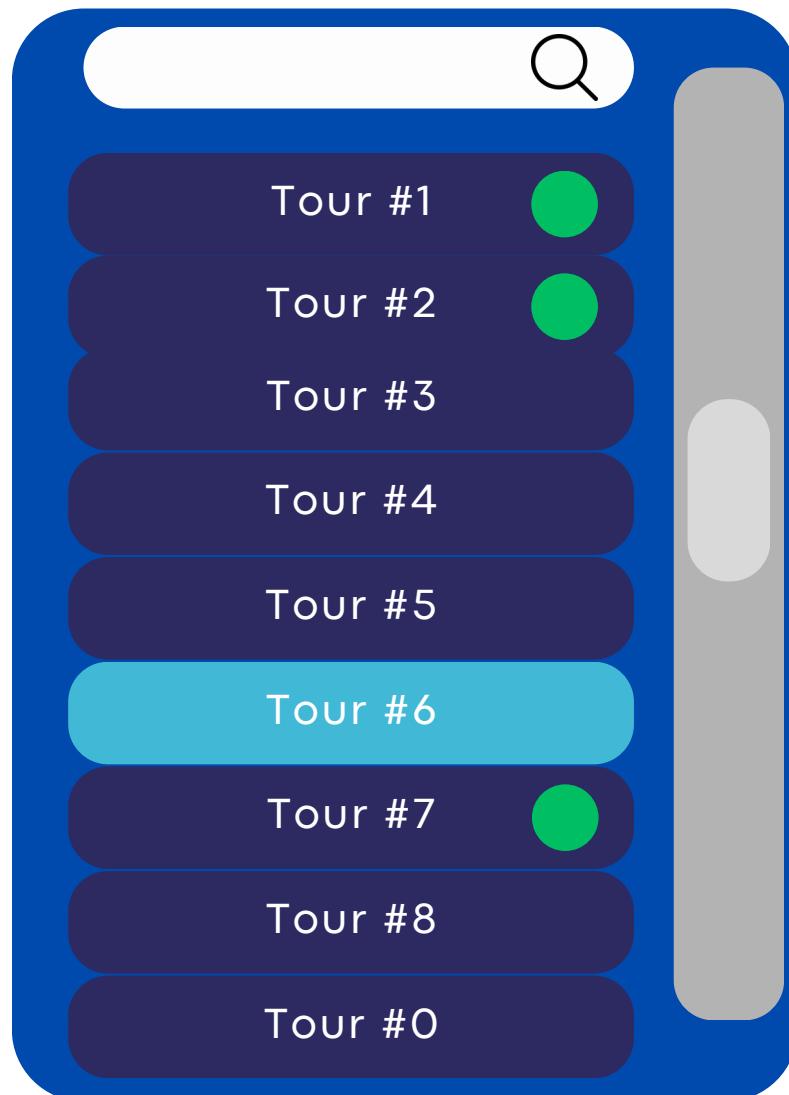
EDIT REGISTRATION

CANCEL REGISTRATION

# MESSAGE PANEL



# ADVISOR MESSAGE PANEL



# ADVISOR PANEL



@username

WELCOME @username

Tours Responsible  
By Guides

Tour #1      Guide #1

Guide Requests

 @username

Access to Guide  
Panel

Access to Message  
Panel

Tours Responsible

School Name

Date

XXX

XXX

Accept / Decline Tour  
Requests



# ADVISOR PANEL



@username

## Profile



Name

Surname

Username

E-Mail

Change Information



# ADVISOR PANEL



@username



Name

Surname

Username

E-Mail

Approve Change

Dismiss Changes



# ADVISOR PANEL



@username

## Tours Responsible By Guides

Guide #

Tour #

Edit

Guide #

Tour #

Edit

Guide #

Tour #

Edit

# ADVISOR PANEL



@username

Tour #

Guide #

School Name

XXX

City

XXX

Name

XXX

Surname

XXX

Change Guide

Return



# ADVISOR PANEL



@username

Tour #

Guide #

New Guide #

School Name

XXX

City

XXX

Name

XXX

Surname

XXX

Name

XXX

Surname

XXX

Approve Change

Dismiss Changes



# ADVISOR PANEL



@username

Tour #

Guide #

New Guide # ▼

School Name

XXX

City

XXX

Name

XXX

Surname

XXX

Name

XXX

Surname

XXX

Guide 1

Guide 2

Guide 3

Guide 4

Approve Change

Dismiss Changes



# ADVISOR PANEL



@username

## Guide Requests

Guide #

Tour #

Decide

Approved

Guide #

Tour #

Decide

Proposed A Time

Guide #

Tour #

Decide

Denied

Guide #

Tour #

Decide

Decision Waiting

# ADVISOR PANEL



@username

Guide #

Tour #

Name

XXX

Surname

XXX

Approve

Deny

Propose Another Date

Return

School Name

XXX

City

XXX



# ADVISOR PANEL



@username

## Tours Responsible

Tour #

School Name

Date

See Tour

Tour #

Student Name

Date

See Tour

Tour #

School Name

Date

See Tour

Tour #

Student Name

Date

See Tour

# ADVISOR PANEL



@username

School Name

XXX

Rating

XXX

Date and Time

XXX

Notes

XXX

City

XXX

Number of Visitor

XXX

Supervisor

XXX

Supervisor Duty

XXX

Return



# ADVISOR PANEL



@username

## Accept / Decline Tour Requests

School Name

Date

Decide

Approved

Student Name

Date

Decide

Proposed A Time

School Name

Date

Decide

Denied

Student Name

Date

Decide

Decision Waiting

# ADVISOR PANEL



@username

School Name

XXX

Rating

XXX

Date and Time

XXX

Notes

XXX

City

XXX

Number of Visitor

XXX

Approve

Supervisor

XXX

Deny

Supervisor Duty

XXX

Propose Another Date

Return

# ADVISOR PANEL



@username

Student Name

XXX

Notes

Date and Time

XXX

XXX

City

XXX

Major

XXX

Approve

Deny

Propose Another Date

Return

# SURVEY PANEL



@username

## SURVEYS

Create Survey

Survey #1

Start

Edit

Delete

Survey #2

Start

Edit

Delete

Survey #3

Start

Edit

Delete

Survey #4

Start

Edit

Delete

Survey #5

Start

Edit

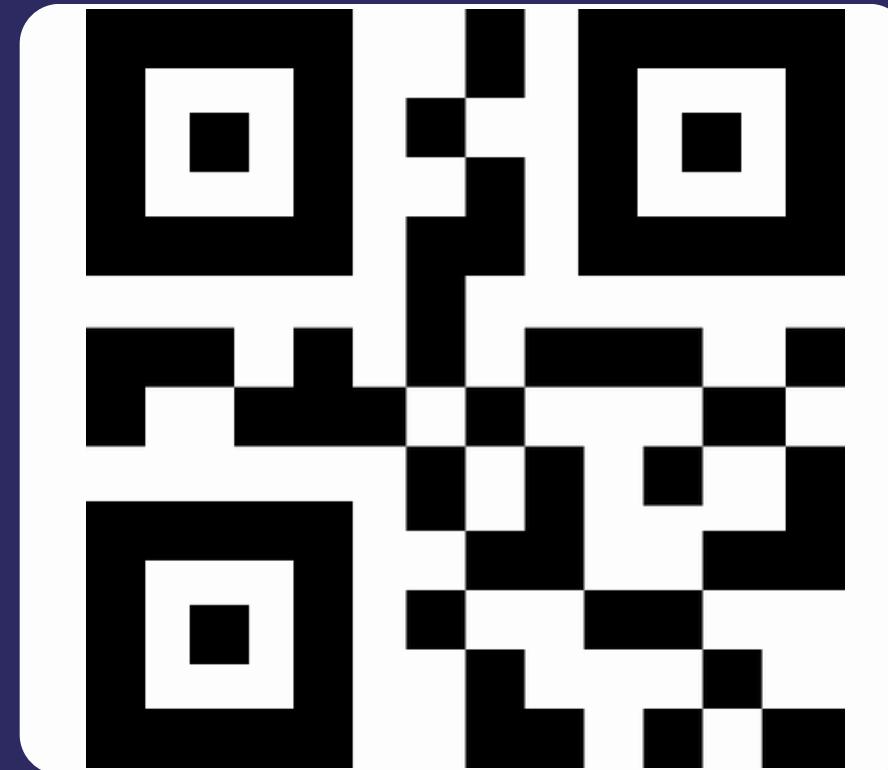
Delete

# SURVEY PANEL



@username

Survey # Opened



End Survey

# SURVEY PANEL



@username

## Create A Survey / Edit Message

Questions

Add Question

Type Question

Question Type

Delete

# CANDIDATE GUIDE PANEL



@username

WELCOME @username

## Available Tours

Tour #1

XXX

XXX

XXX

Edit Available  
Hours

## Assigned Tours

Tour #1

XXX

XXX

XXX

# CANDIDATE GUIDE PANEL



@username

## Available Tours

School Name	City	Date of Visit	Prefered Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes	Appy to Tour
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>

# CANDIDATE GUIDE PANEL



@username

## Assigned Tours

School Name	City	Date of Visit	Prefered Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes	Manage Tour
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>

# CANDIDATE GUIDE PANEL



@username

## Manage Tour

School Name	City	Date of Visit	Prefered Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	5 min late

CANCEL APPLICATION

5 min late

Save



# CANDIDATE GUIDE PANEL



@username

## Profile



Name

Surname

Username

E-Mail

Change Information



# CANDIDATE GUIDE PANEL



@username



Name

Surname

Username

E-Mail

Approve Change

Dismiss Changes

# CANDIDATE GUIDE PANEL



@username

## Edit Available Hours

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
08.30-09.30	Busy	Busy	Available	Busy	Available
09.30-10.30	Busy	Busy	Available	Busy	Available
10.30-11.30	Busy	Available	Available	Busy	Available
11.30-12.30	Busy	Available	Available	Busy	Available
13.30-14.30	Available	Busy	Available	Available	Busy
14.30-15.30	Available	Busy	Available	Available	Busy
15.30-16.30	Available	Busy	Available	Available	Busy
16.30-17.30	Available	Available	Available	Available	Busy

# GUIDE PANEL



@username

WELCOME @username

Available Tours

Tour #1

XXX

XXX

XXX

Assigned Fairs

Fair #1

Assigned Tours

Tour #1

XXX

XXX

XXX

Edit Available  
Hours



# GUIDE PANEL



@username

## Profile



Name

Surname

Username

E-Mail

Change Information



## GUIDE PANEL



@username



Name

Surname

Username

E-Mail

Approve Change

Dismiss Changes

# GUIDE PANEL



@username

## Available Tours

School Name	City	Date of Visit	Prefered Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes	Appy to Tour
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>
										<button>Apply</button>

# GUIDE PANEL



@username

# Assigned Tours

School Name	City	Date of Visit	Preferred Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes	Manage Tour
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>
										<button>Manage</button>

# GUIDE PANEL



@username

## Manage Tour

School Name	City	Date of Visit	Prefered Time of Visit	Number of Visitor	Supervisor	Supervisor Duty	Supervisor Phone Number	Supervisor Mail	Notes
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	5 min late

CANCEL APPLICATION

5 min late

Save



## Assigned Fairs

School Name	City	Date of Visit	Notes
XXX	XXX	XXX	XXX



## Edit Available Hours

Save

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
08.30-09.30	Busy	Busy	Available	Busy	Available
09.30-10.30	Busy	Busy	Available	Busy	Available
10.30-11.30	Busy	Available	Available	Busy	Available
11.30-12.30	Busy	Available	Available	Busy	Available
13.30-14.30	Available	Busy	Available	Available	Busy
14.30-15.30	Available	Busy	Available	Available	Busy
15.30-16.30	Available	Busy	Available	Available	Busy
16.30-17.30	Available	Available	Available	Available	Busy

# COORDINATOR PANEL



@username

List All Users

User #1

XXX

XXX

Add Candidate  
Guide

Add Guide

Manage Surveys

Assign Guide To  
Fairs

Manage Fair  
Requests

Add Advisor



# COORDINATOR PANEL



@username

## Profile



Name

Surname

Username

E-Mail

Change Information



# COORDINATOR PANEL



@username



Name

Surname

Username

E-Mail

Approve Change

Dismiss Changes

# COORDINATOR PANEL



@username

## List All Users

Filter

Name/Surname	Username	User Type	Management	
XXX	XXX	Guide	<a href="#">Delete User</a>	
XXX	XXX	Advisor	<a href="#">Delete User</a>	<a href="#">Manage Advisor</a>
XXX	XXX	Guide	<a href="#">Delete User</a>	
XXX	XXX	Advisor	<a href="#">Delete User</a>	<a href="#">Manage Advisor</a>
XXX	XXX	Candidate	<a href="#">Delete User</a>	<a href="#">Promote</a>
XXX	XXX	Guide	<a href="#">Delete User</a>	



## Manage Advisor

Monday	Tuesday	Wednesday	Thursday	Friday
Ocupped	Ocupped	Assign	Ocupped	Assign



## Add Candidate Guide

Name

Name

Surname

Surname

Username

Username

E-Mail

E-Mail

Submit



## Add Guide

Name

Name

Surname

Surname

Username

Username

E-Mail

E-Mail

Submit



## Add Advisor

Name

Name

Surname

Surname

Username

Username

E-Mail

E-Mail

Submit



## Manage Fair Request

School	City	Date of Visit	Notes	Management
XXX	XXX	XXX	XXX	
XXX	XXX	XXX	XXX	
XXX	XXX	XXX	XXX	

Save



## Assign Guide to Fairs

School Name	City	Date of Visit	Notes	Manage Fair
XXX	XXX	XXX	XXX	<a href="#">Assign/Dismiss Guide</a>
XXX	XXX	XXX	XXX	<a href="#">Assign/Dismiss Guide</a>
XXX	XXX	XXX	XXX	<a href="#">Assign/Dismiss Guide</a>
XXX	XXX	XXX	XXX	<a href="#">Assign/Dismiss Guide</a>
XXX	XXX	XXX	XXX	<a href="#">Assign/Dismiss Guide</a>

# COORDINATOR PANEL



@username

Guide 1

Guide 2

Guide 3

Guide 4

Assign

Dismiss

Return

Fair #

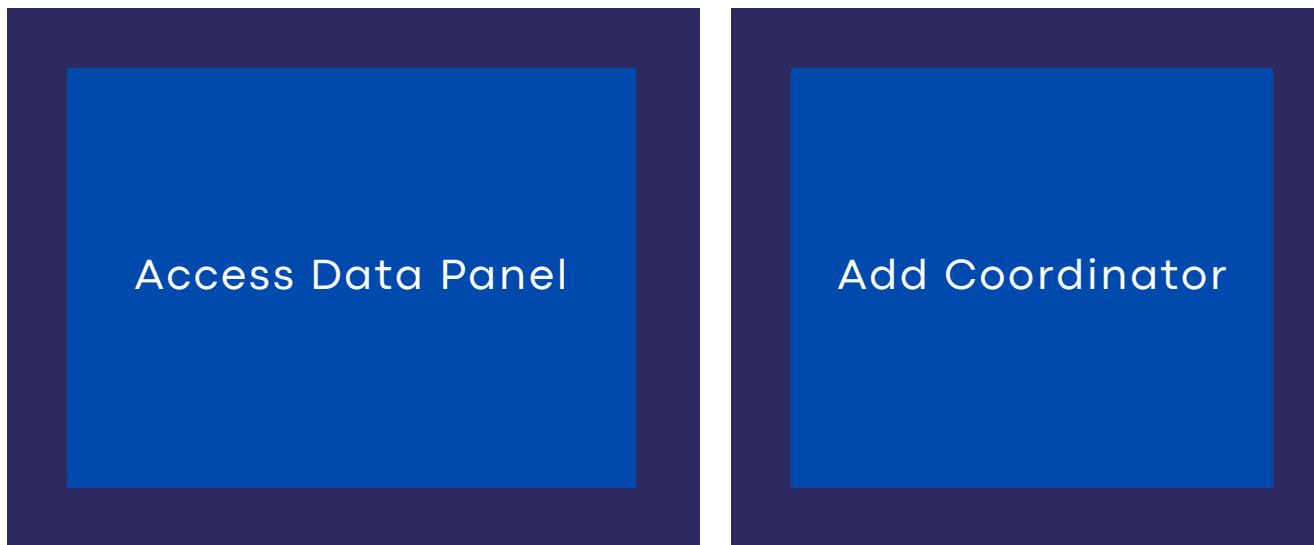
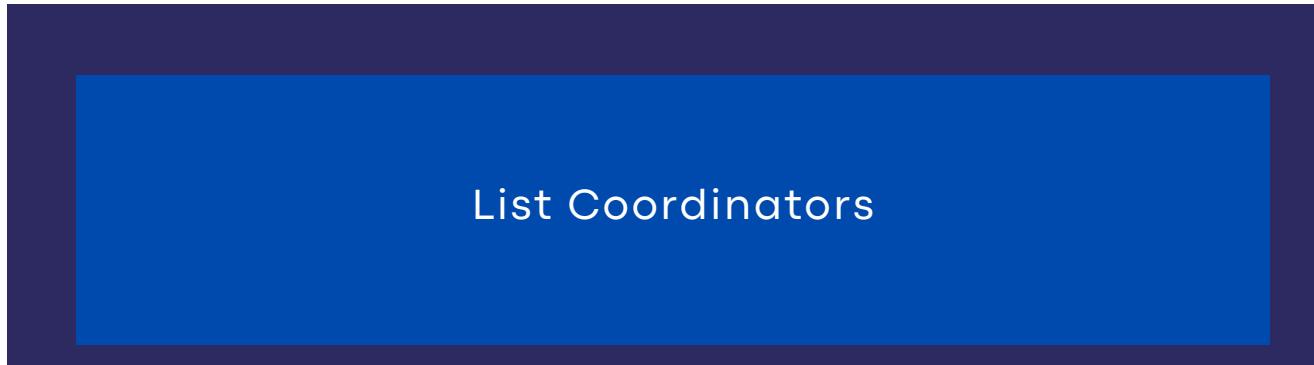
School Name

XXX

City

XXX

# OWNER PANEL



## OWNER PANEL

# List Coordinators

## Filter

**Name/Surname**

**Username**

## User Type

Management

xxx

xxx

## Coordinator

## Delete Coordinator

xxx

xxx

### **Coordinator**

## Delete Coordinator

xxx

xxx

### **Coordinator**

Delete Coordinator

xxx

xxx

## Coordinator

Delete Coordinator

xxx

xxx

## Coordinator

## Delete Coordinator

xxx

xxx

### Coordinator



## Add Coordinator

Name

Name

Surname

Surname

Username

Username

E-Mail

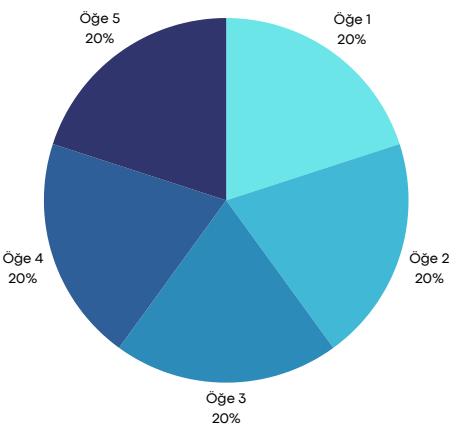
E-Mail

Submit

# DATA PANEL

Filter

Schools	School Data #1	School Data #2	School Data #3	School Data #4	School Data #5	School Data #6	School Data #7	School Data #8	Detail
XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	Show Details
XXX									Show Details
XXX									Show Details



# DATA PANEL

School #1

XXX

Statistic #1

XXX

Statistic #2

XXX

Statistic #3

XXX

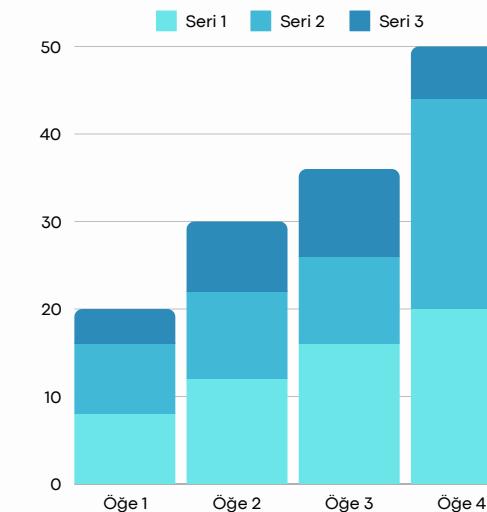
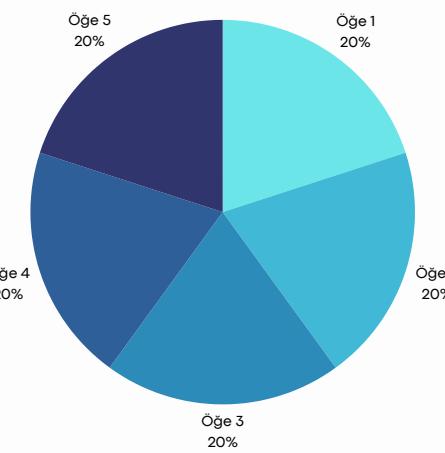
Statistic #4

XXX

Statistic #5

XXX

## Data Details



STATISTIC #5