



ÇANKAYA ÜNİVERSİTESİ  
*Department of Computer Engineering*

## EXAM PROCTOR AND CLASS ASSIGNMENT SYSTEM

CENG407 – Innovative System Design and Development I

### Students

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### Advisor

GÜL TOKDEMİR



# OUTLINE

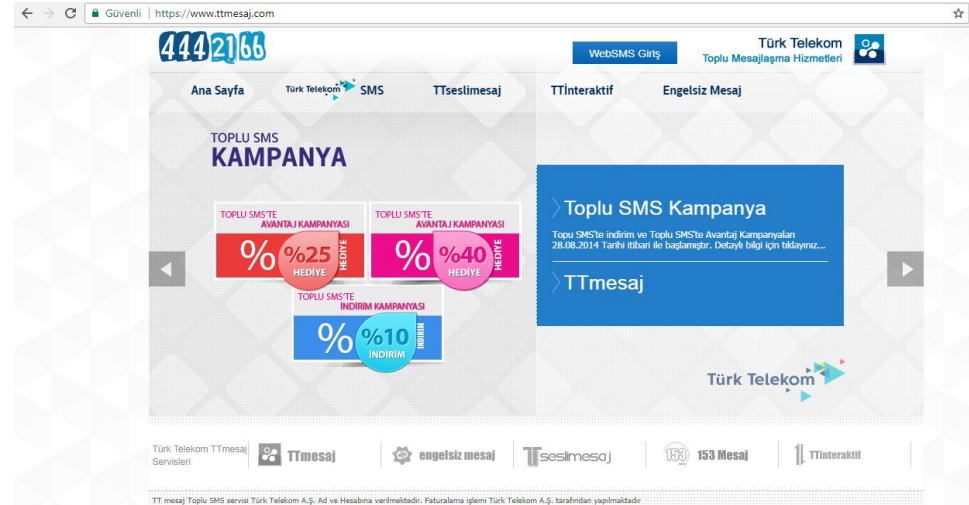
1. Company Information
2. Problem
3. Solution
4. Project Aim
5. Project Requirements
6. Deployment Diagram
7. Project Description
8. User Interface Design
9. Work Break-Down Structure
10. Gantt Chart
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# COMPANY INFORMATION

GES TELEKOM is a company provides:

- SMS and MMS
- IoT(Internet of Things)
- 20 years
- 30 employees
- Branch in Istanbul



# PROBLEM

- ❖ Process of distributing exams manually
- ❖ Takes more time
- ❖ Conflicts of exam places and time



# SOLUTION

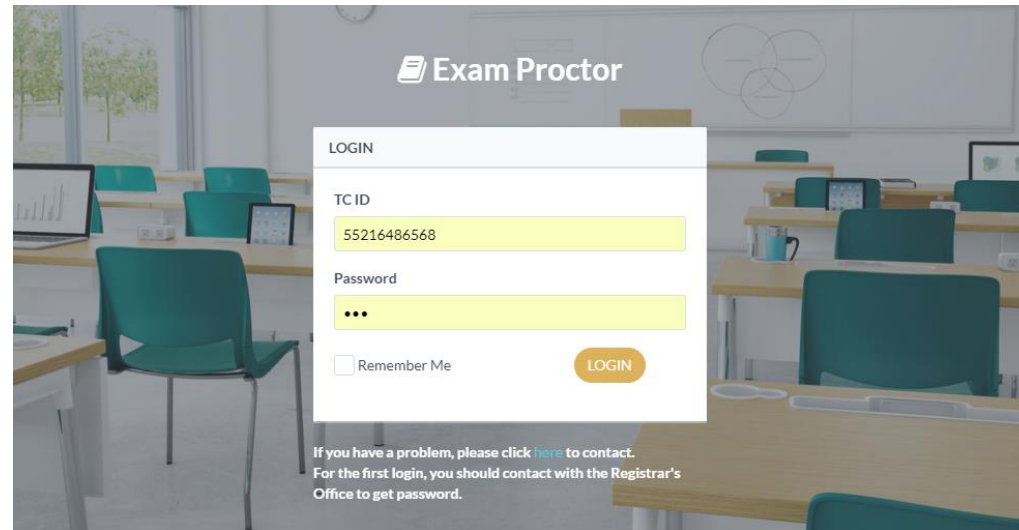
- ❖ To make people put less effort
- ❖ Increase their productivity



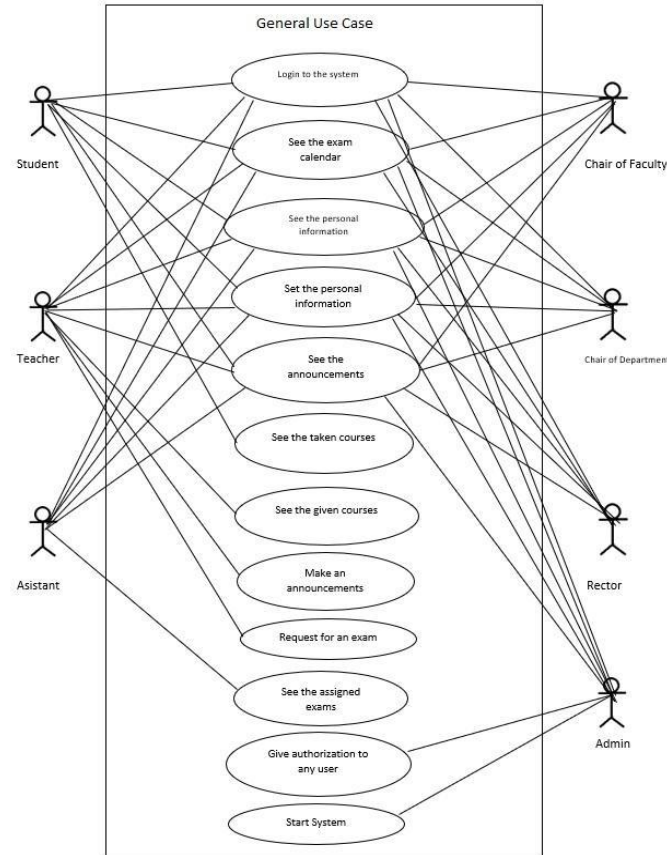


# PROJECT AIM

- ❖ Exam Proctor and Class Assignment Project is a system that distributes exams, classes, and proctors without conflicts and overlaps which many educational organizations' need.



# PROJECT REQUIREMENTS



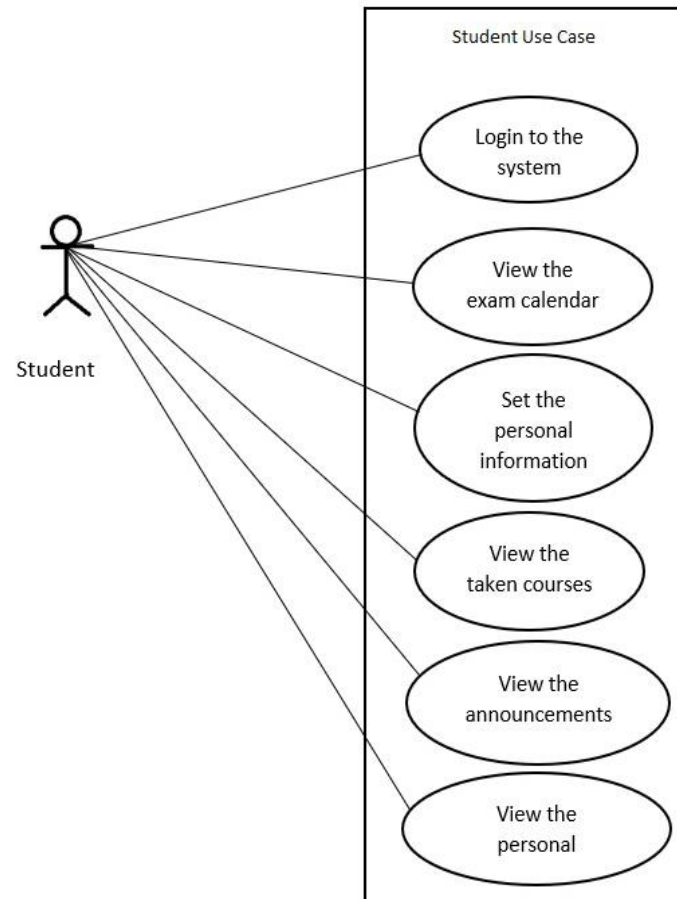
**Figure 1:** System Environment





# PROJECT REQUIREMENTS(Continued)

## Student Use Case



**Figure 2:** Student Use Case





# PROJECT REQUIREMENTS(Continued)

## Teacher Use Case

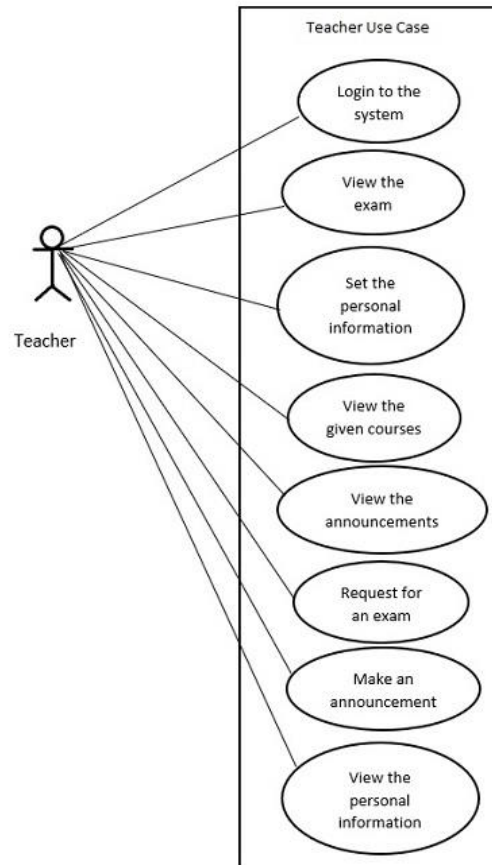


Figure 3: Teacher Use Case



# PROJECT REQUIREMENTS(Continued)

## Assistant Use Case

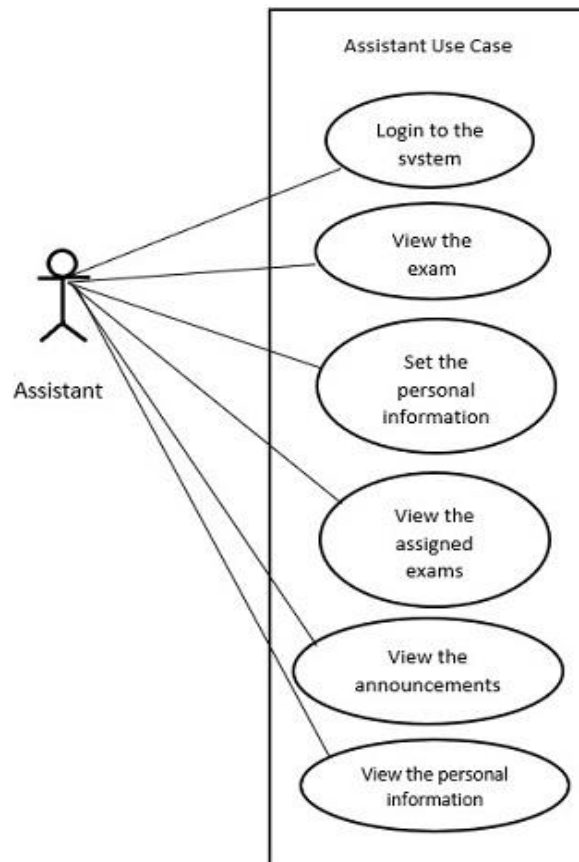
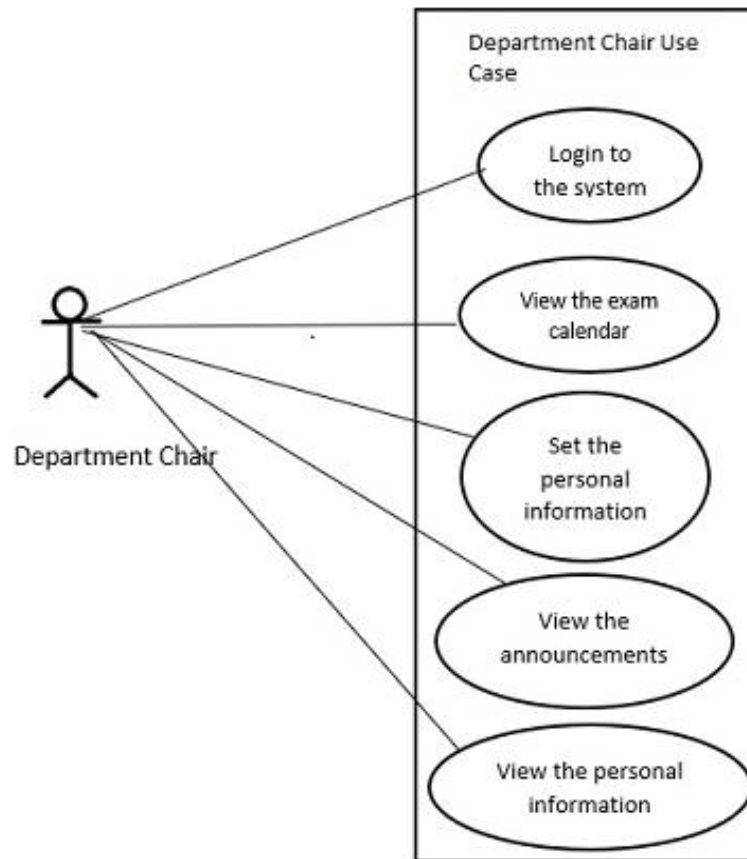


Figure 4: Assistant Use Case



# PROJECT REQUIREMENTS(Continued)

## Department Chair Use Case



**Figure 5:** Department Chair Use Case



# PROJECT REQUIREMENTS(Continued)

## Dean Use Case

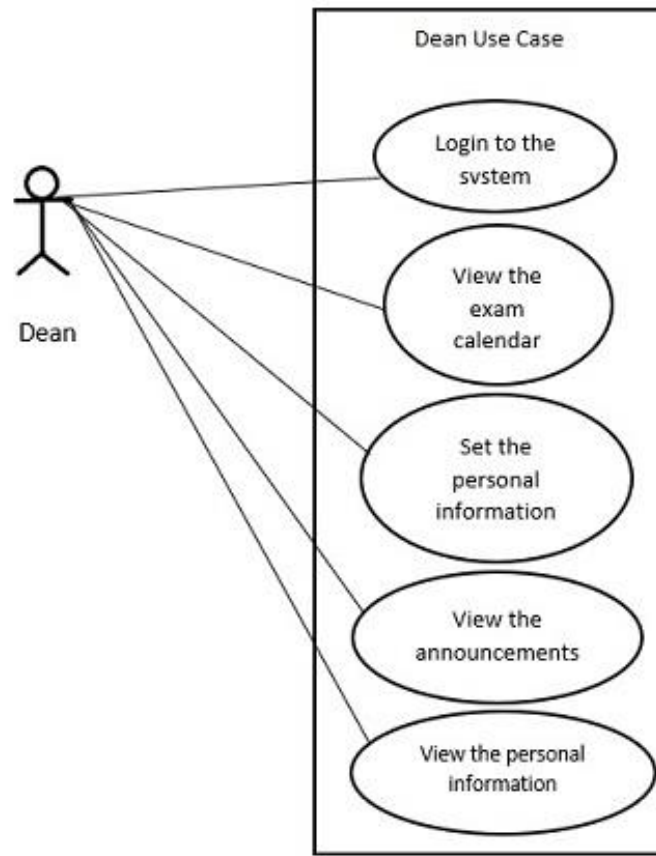


Figure 6: Dean Use Case



# PROJECT REQUIREMENTS(Continued)

## Rector Use Case

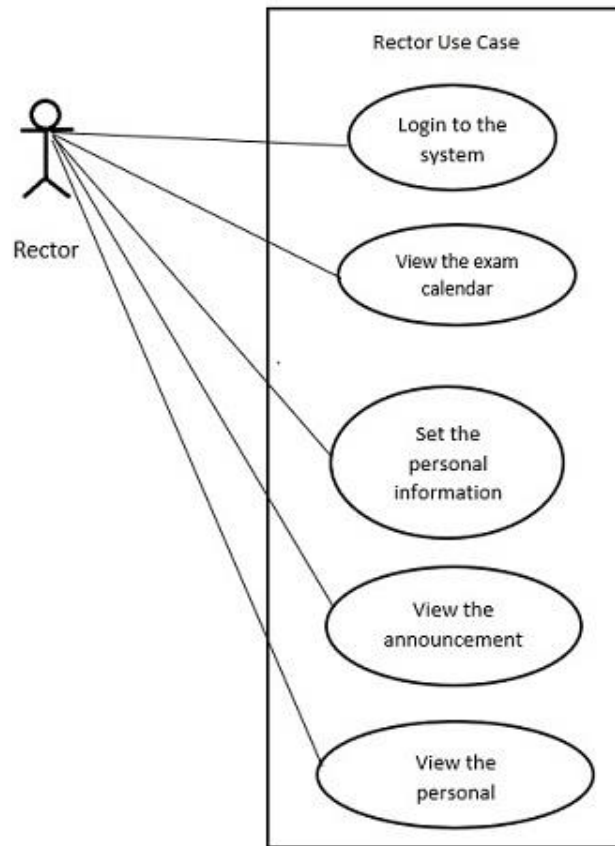


Figure 7: Rector Use Case



# PROJECT REQUIREMENTS(Continued)

## Admin Use Case

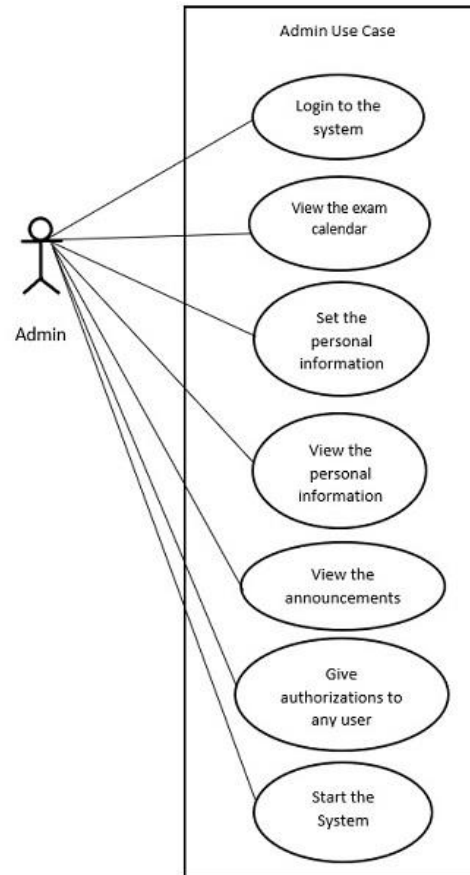
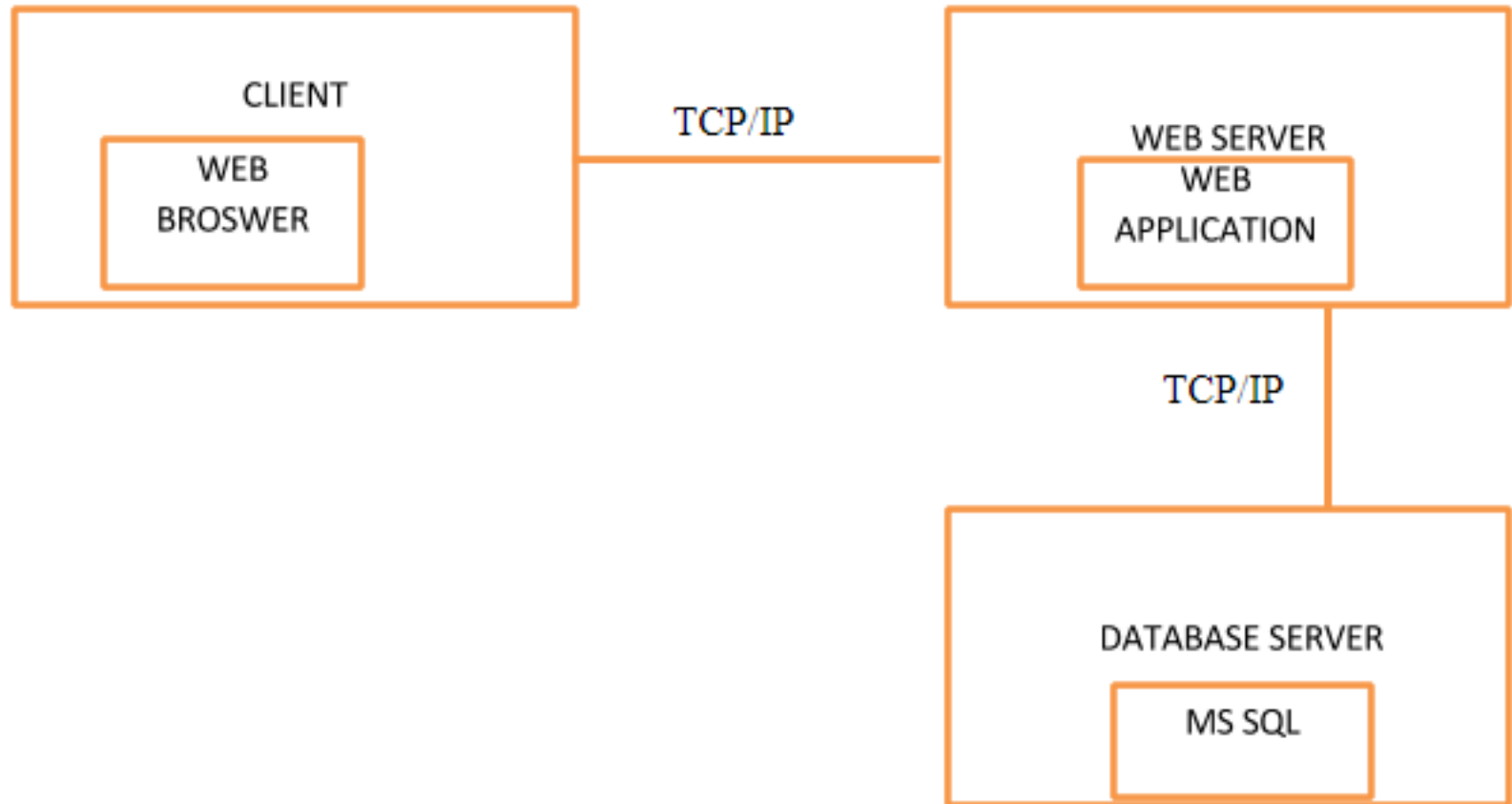


Figure 8: Admin Use Case



# DEPLOYMENT DIAGRAM



**Figure 9:** Deployment Diagram







# PROJECT DESCRIPTION(Continued)

## ER Diagram

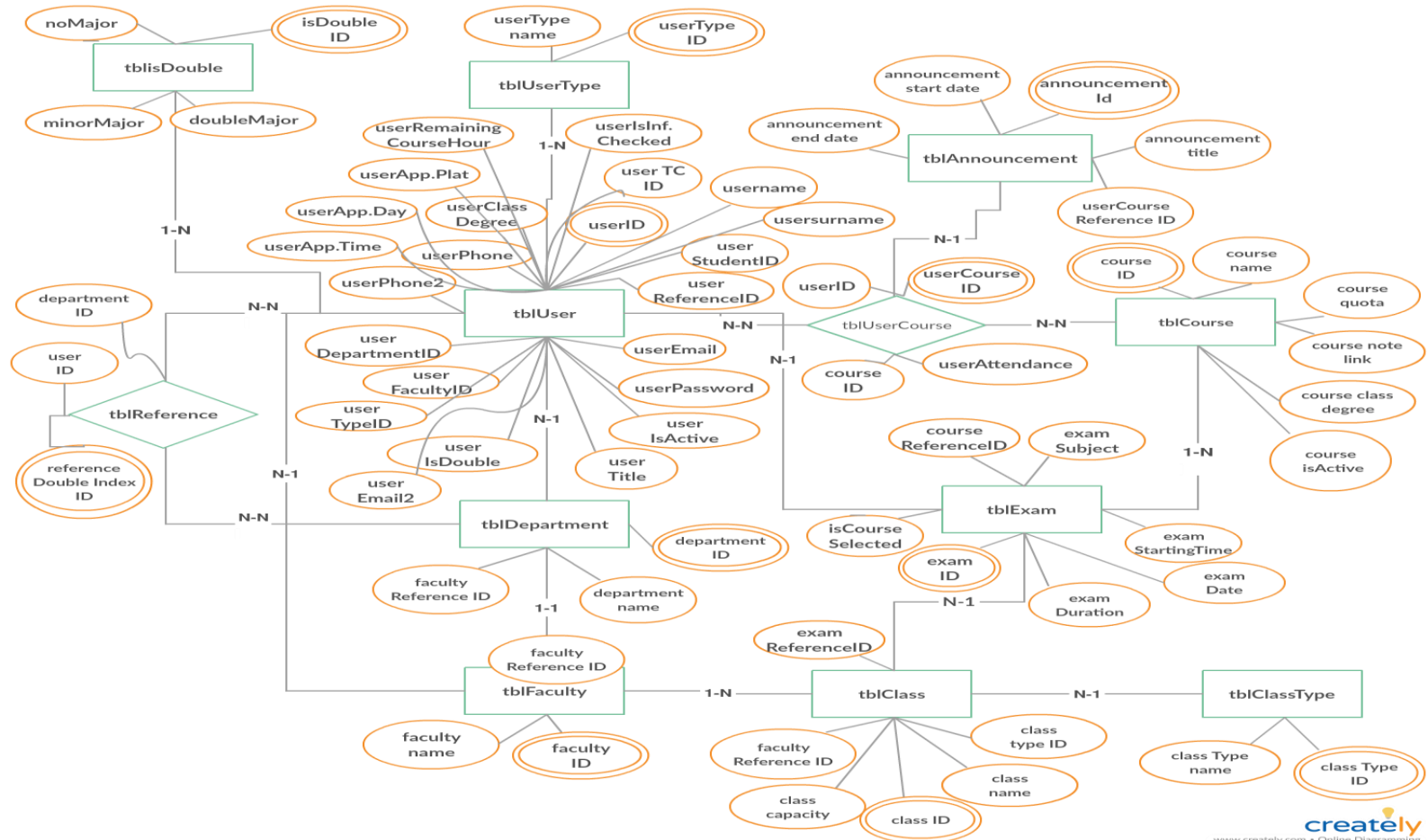
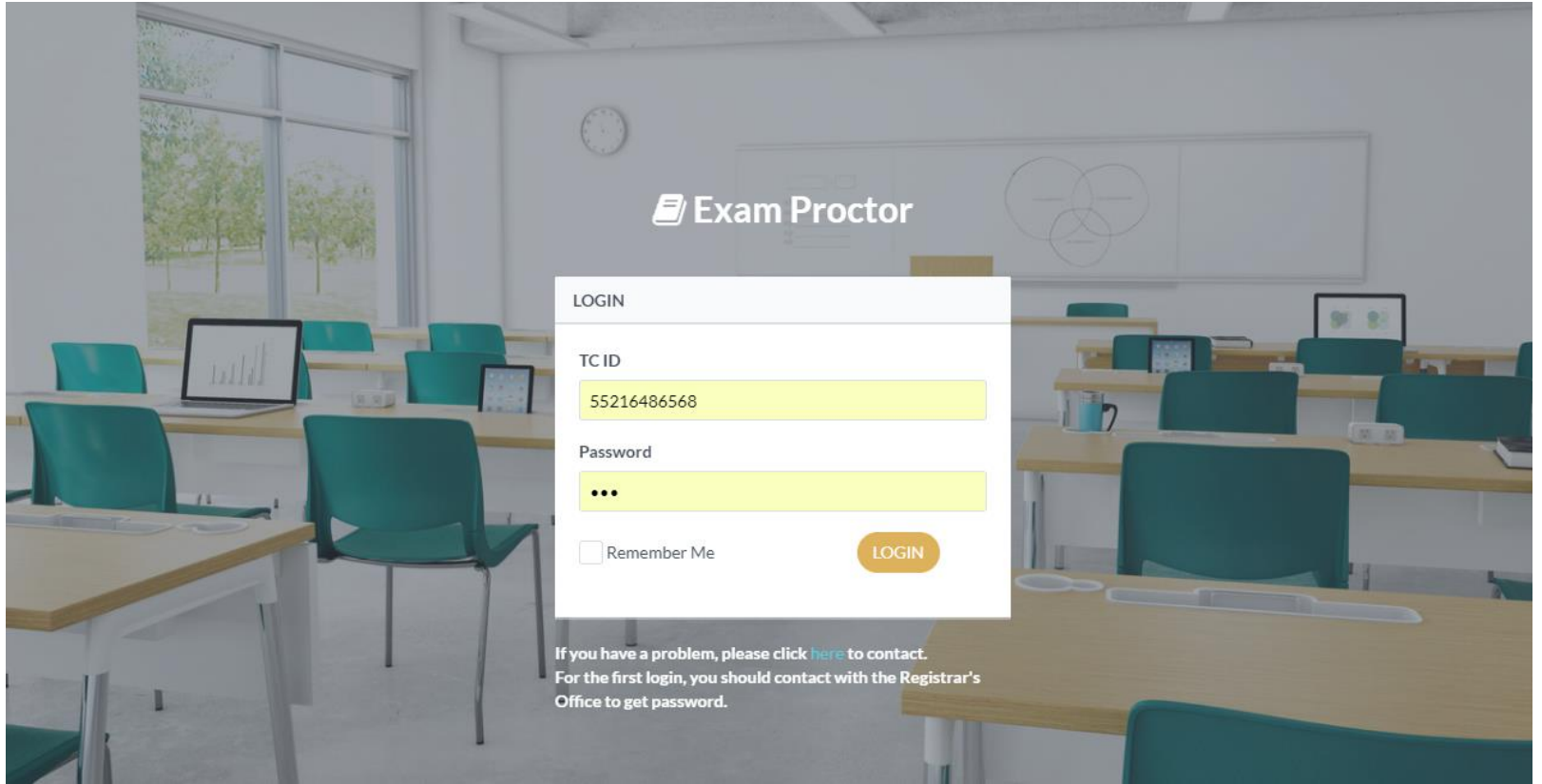


Figure 11: ER Diagram [2]



# USER INTERFACE DESIGN

## Login Page



**Figure 12:** Login Page Interface Design



# USER INTERFACE DESIGN(Continued)

## Login Access Page

Please choose your telephone number:

Enter the code:

Registration closes in 03:00 minutes!

**Figure 13:** Login Access Page Interface Design



# USER INTERFACE DESIGN(Continued)

## Settings – Contact Information Page

Contact Information Settings  
Notification Settings  
Password Settings

GSM no:

☒ Set as a Default GSM

Delete GSM 1

GSM no 2:

☐ Set as a Default GSM

Delete GSM 2

E-mail Address:

☒ Set as a Default E-mail

Delete E-mail 1

E-mail Address 2:

☐ Set as a Default E-mail

Delete E-mail 2

SAVE

Please click on the save button to save your changes.

Figure 14: Settings – Contact Information Page Interface Design



# USER INTERFACE DESIGN(Continued)

## Settings – Notification Page

**Contact Information Settings**

**Notification Settings**

**Password Settings**

Please choose the approval platform:

☒ Phone

☐ E-mail

☒ I want to be informed about exams

☐ Use default day: 7, default time: 07:00

How many days ago you want to be informed:

Time to be informed:

☒ I want to be informed when the lecturer approve the exam

SAVE

**Figure 15:** Settings – Notification Page Interface Design



# USER INTERFACE DESIGN(Continued)

## Settings – Password Page

The image shows a user interface for the 'Settings – Password Page'. It is divided into two main sections: a top section and a bottom section, both containing settings options and password fields.

**Top Section:**

- Settings Options:** Contact Information Settings, Notification Settings, and Password Settings are listed on the left.
- Password Fields:** On the right, there are three input fields labeled "Old Password:", "New Password:", and "Again New Password:". Below these fields are two buttons: "Control Information" and "Save".

**Bottom Section:**

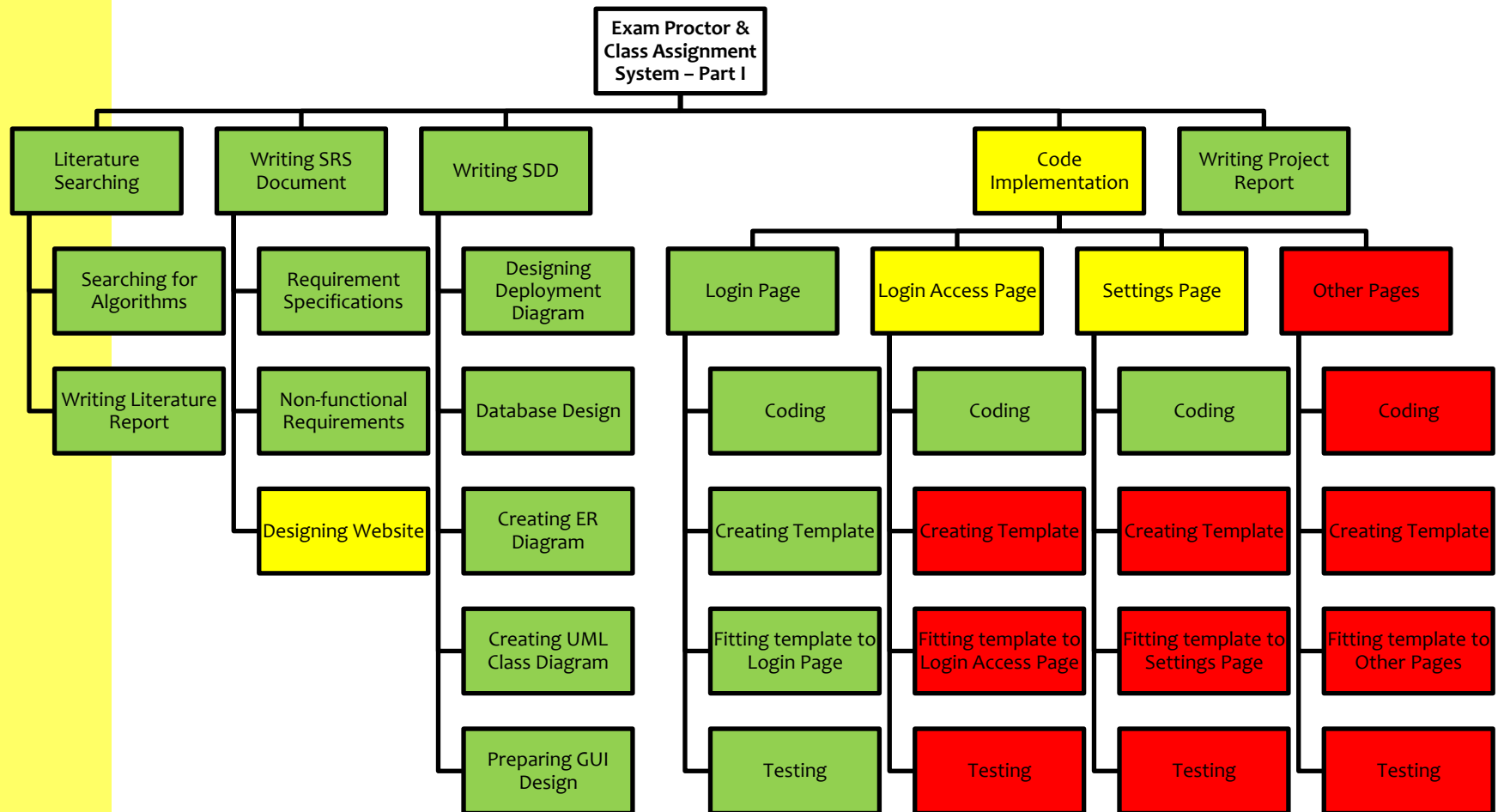
- Settings Options:** Similar to the top section, it lists Contact Information Settings, Notification Settings, and Password Settings.
- Password Fields:** On the right, there are three input fields labeled "Old Password:", "New Password:", and "Again New Password:". Below these fields are two buttons: "Control Information" and "Save".
- Confirmation Modal:** A white modal box is overlaid on the bottom section. It contains the text "Confirmation Code", "Please enter the activation code!", and "Registration closes in 03:00 minutes!". Below this text is an input field and two buttons: "Activate" and "Cancel".

Figure 16: Settings – Password Page Interface Page





# WORK BREAK-DOWN STRUCTURE (First Semester)





# GANTT CHART

## (Second Semester)

Weeks	Task Name	Duration	12-26.02.2018				12-26.03.2018					09-23.04.2018					07-21.05.2018					04-11.06.2018				
			T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
1.0	Updating Documents	14																								
1.1	- SRS	14																								
1.2	- SDD	14																								
2.0	Preparing Test Plan	14																								
3.0	Preparing Software Product	14																								
4.0	Preparing User Guide	14																								
5.0	Creating Project Report	14																								
6.0	Creating Project Poster	14																								
7.0	Creating Project Presentation Document	14																								



# RESULTS AND CONCLUSION

- ❖ In conclusion, this web application will make it easier to assign exams, classes and proctors in educational organizations
- ❖ With this system, educational organizations will be able to prevent overlaps and conflicts in their exam schedules
- ❖ We learnt steps of software development in detail
- ❖ We will have hands on experience in a real-life project

# ACKNOWLEDGEMENT

- ❖ Also, we would like to thank to company engineers; Emrah Yıldırım , Mesut Çelebi and Feyza Filiz who helped us during this project for 11 hours in each 14 weeks.





# REFERENCES

- [1] GES TELEKOM <https://www.ttmesaj.com/>
- [2] Creately, UML Class Diagram and ER Diagram <https://creately.com/>



# DEMO



# THANK YOU FOR LISTENING

