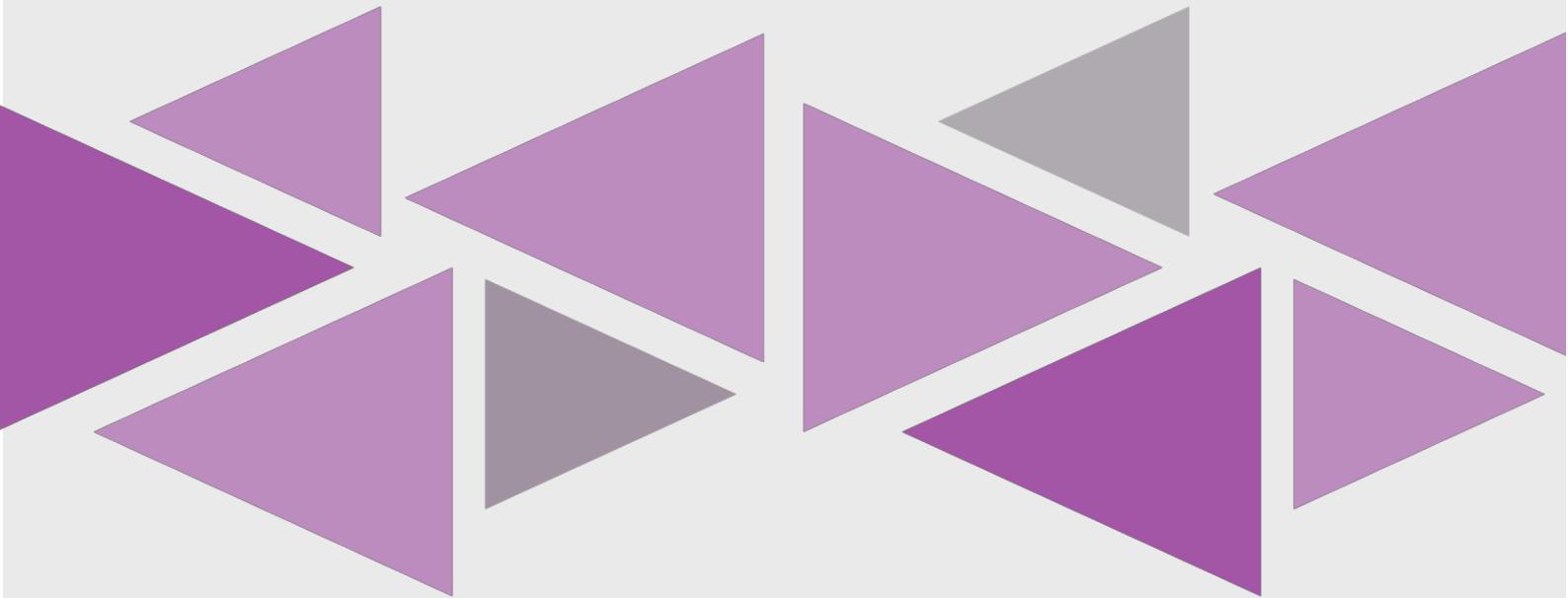


2023



GRADUATE THESIS SYSTEM DATABASE PROJECT REPORT



Berru Hanedar	200706028
Ece Çağla Karaaytu	200704036
Eren Kızılırmak	210704025

TABLE OF CONTENTS

Graduate Thesis System	3
1. Introduction	3
Keywords	3
2. Description of Work	3
2.1 ER Diagram	3
2.2 Relations and Entities	5
2.2 Attributes and Data Types	6
Type Attributes	7
Institute Attributes	8
University Attributes	8
Language Attributes	8
ThesisSubjectTopic Attributes	8
SubjectTopic Attributes	9
ThesisKeyword Attributes	9
Keyword Attributes	9
Author Attributes	9
Supervisor Attributes	9
CoSupervisor Attributes	10
Person Attributes	10
2.3 Importing Data	10
Thesis Data	10
University Data	11
Institute Data	11
Language Data	12
3. Relational Database Diagram	15
4. Database Application (GUI)	16
4.1 User Interfaces	16
5. Conclusion	21

5.1 SELF REFLECTION	22
6. Appendix	22
6.1 Author Create to Script	22
6.2 CoSupervisor Create to Script	23
6.3 Institute Create to Script	23
6.4 Keyword Create to Script	24
6.5 Language Create to Script	24
6.6 Person Create to Script	25
6.7 SubjectTopic Create to Script	25
6.8 Supervisor Create to Script	26
6.9 Thesis Create to Script	26
6.10 ThesisKeyword Create to Script	28
6.11 ThesisSubjectTopic Create to Script	28
6.12 Type Create to Script	29
6.13 University Create to Script	29
6.14 GUI with Tkinter Codes	30
6.15 Data Insertion with SQL for Base.	61

Graduate Thesis System

This document presents a project about a Graduate Thesis System (GTS) database application. This document describes the whole project by first giving the background of the project, then the design of the Database by an ER diagram and after that we give a description of our work. After that we will test our database with adding data. In the end we will give our conclusions and a reflection on the whole project, especially working in a team.

1. Introduction

The goal of this project is to gain additional knowledge about databases. We did that by learning to design and implement a real life graduate thesis database system. It was also important to improve our programming skills in SQL. Besides all the technical work we have also learned to work in a team and learned to divide tasks among on team members.

Keywords

Database, Thesis, Python, Database GUI, Crow's Foot, MSSQL, Tkinter

2. Description of Work

Our work method followed the proposed project steps quite closely. We firstly designed an ER diagram to show the connections between the entities. Then, we decided which data type to choose on each column. Finally, we fed our database some data to check if any error occurs.

2.1 ER Diagram

Our project began with the creation of an entity-relationship (ER) diagram. This diagram showed how the different parts of the database were connected. For example, it showed how the "Thesis" table was connected to the "Author" table and the "Supervisor" table. The ER diagram helped us to make sure that the database was designed correctly and that all of the data was stored in a way that made sense.

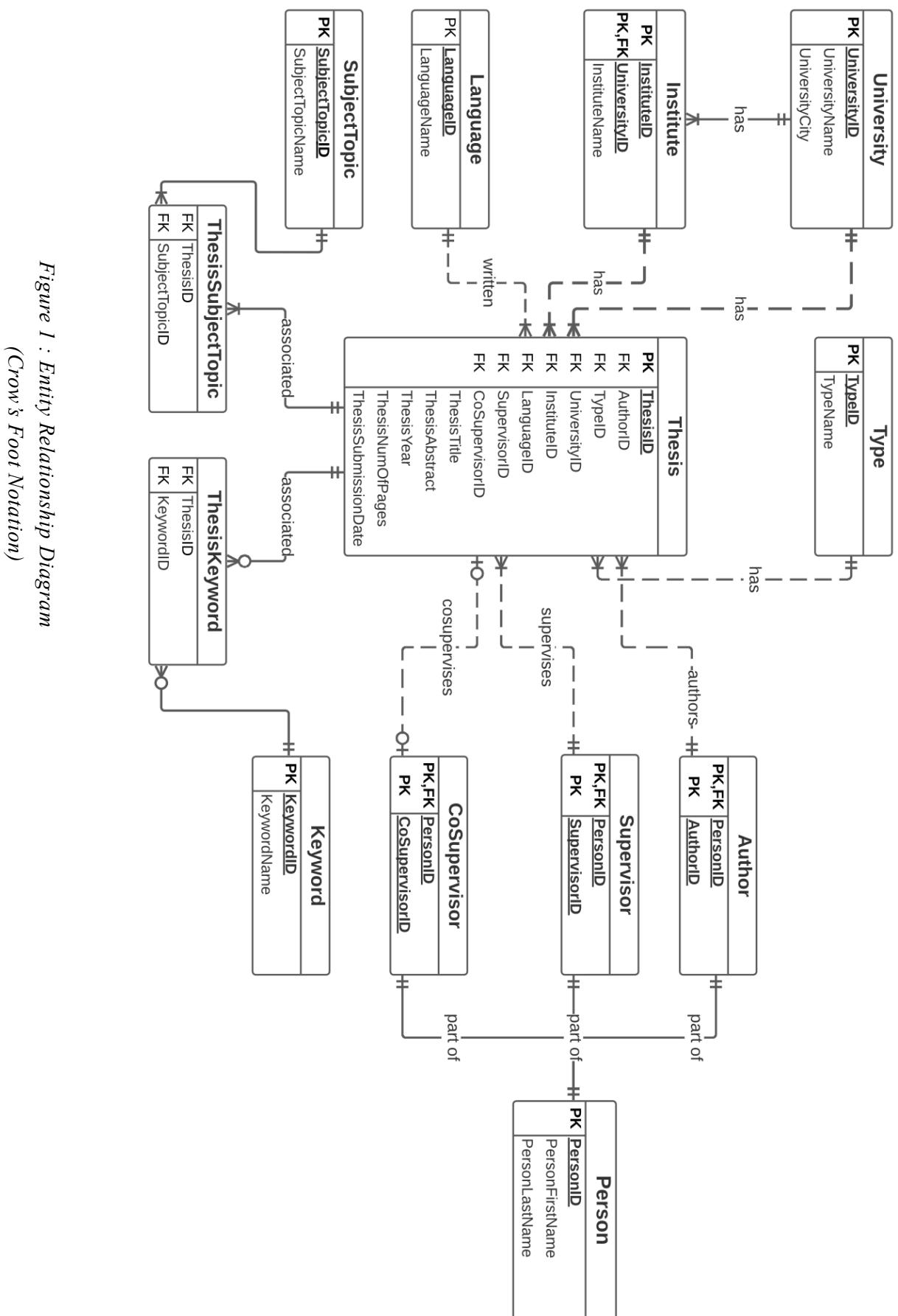


Figure 1 : Entity Relationship Diagram
 (Crow's Foot Notation)

2.2 Relations and Entities

In this section, We are explaining all 13 entities and their relations in our database design. As seen in *Figure 1*, the thesis entity is the central entity in the database system. That's why it has many connections to the other entities.

Thesis and Author: Since a person can be author of more than one thesis, and a thesis can only have one author. Therefore, their relationship is one to Many (*1-M*).

Thesis and Supervisor: A thesis must have at least one supervisor and a supervisor can supervise many thesis. So, relation is one to many (*1-M*).

Thesis and Cosupervisor: A thesis can have a cosupervisor but it is optional so their relation is zero-one to zero-one.

Thesis and Type: A thesis must be either one of these ; “Master”, “Doctorate”, “Specialization in Medicine” and “Proficiency in Art”. A thesis can be only one of a type whereas There are more than one thesis in same type. So, Their relationship is one to many (*1-M*).

Thesis and Language: A thesis have to be written in only one language but a language can have many thesis. That's why relation is one to many (*1-M*).

Thesis and Institute: An institute can have more than one thesis but a thesis can be connected to only one institute. Hence, the relationship is (*1-M*).

Thesis and University: An University can have more than one thesis but a thesis can be connected to only one university. Hence, the relationship is (*1-M*).

Institute and University: A university can have more than one institutes but an institute can belong to only one university. So, institute and University relations is one to many (*1-M*).

Person and Author/Supervisor/Cosupervisor: Since a person can have one of those roles once, The relationship between the roles and person is one to one (*1-1*).

Thesis and SubjectTopic: A thesis must be associated with one or more subject topics and users can not enter the subject freely. So, to control that there is an additional ThesisSubjectTopic set. Which is *1-M* to thesis because a thesis can have more than one subject topics. And that set is finally connected to the SubjectTopics set *1-M* ensuring that one subject topic can be a topic to multiple thesis. Just like the Student, Enroll and Courses example¹.

Thesis and Keyword: A thesis can be associated with zero or more keywords. Unlike subject topics, keywords can be entered freely by the user. So, Thesis and ThesisKeyword set must be connected *one to many or zero*.

2.2 Attributes and Data Types

In this section, each attribute and data type is explained briefly.

Thesis Attributes

- **ThesisID:** This column represents the thesis' identification number which is a whole numeric 7 digits. In order to achieve that, we decided to make it's data type *numeric(7,0)*. ThesisID is also the primary key of the Thesis set. Because thesis number is special to each thesis itself. It is *Non-Nullable* because each thesis has to have a thesis identification number.
- **AuthorID:** This column represents the Author identification of each thesis. It's data type is integer (*INT*). AuthorID column is the foreign key which is connected to the Author table. It's *Non-Nullable* because each thesis must have an author.
- **TypeID:**TypeID is the foreign key of the Thesis set which is connected to Type set. This column represents the Thesis' type identification. For example: ifTypeID is 1000 it indicates that thesis type is Master. It's data type is *INT*. Since a thesis must have a type, it's *Non-Nullable*.
- **UniversityID:** This is the foreign key of the Thesis set which is connected to University set. This column represents the Thesis' university identification. if UniversityID is 201 it indicates that university is "Koç Üniversitesi". It's data type is *INT*. Since a thesis must be associated with a University, it's also *Non-Nullable*.

¹ Example to change (M-N) relations to (1-M) and (1-M). Course book page 80-83

- **InstituteID:** It's the foreign key of the Thesis set which is connected to Institute set. This column represents the Thesis' Institute identification. It's data type is *INT*. Since a thesis must be associated with an institute, it's also *Non-Nullable*.
- **LanguageID:** This column contains information about thesis' language identification. It's the foreign key in order to connect Thesis set to Language set. It's data type is *INT*. A thesis must have a language hence, it's *Non-Nullable*.
- **SupervisorID:** This column holds the supervisor identification number. It's a foreign key which is connected to the Supervisor set. A thesis must have at least one supervisor. Therefore, It's *Non-Nullable* and *INT*.
- **CoSupervisorID:** This attribute holds the identification number of a Co-Supervisor if exists. Therefore, it's *Nullable INT*.
- **ThesisTitle:** This holds the title information of the theses. Since it's maximum title can be 500 chars, we decided to use *nvarchar(500)* also because *nvarchar* supports multiple languages. A thesis must have a title so, it's *Non-Nullable*.
- **ThesisAbstract:** As the name suggests, this attribute holds the Abstract part of the thesis. It's required to have 5000 characters maximum. *nvarchar(5000)*² gave an error so, we decided to use *nvarchar(MAX)* instead. An Abstract is mandatory in thesis. That's why it's *Non-Nullable*
- **ThesisYear:** This attribute holds the thesis' year. It's data type is *numeric(4,0)* because we need 4 digits to represent the year. It's *Non-Nullable* because a thesis must be written in a year.
- **ThesisNumOfPages:** This column holds the thesis' number of pages. We decided to give it *INT*. It's also *Non-Nullable* because a thesis without pages wouldn't exist.
- **ThesisSubmissionDate:** This holds the submission date information of the theses. So, It's data type is *date*. A thesis must have a submission date hence, It's *Non-Nullable*.

Type Attributes

- **TypeId:** It's the primary key of the type set. It's attributes explained in Thesis Attributes part.

² *nvarchar* only supports 4000 characters maximum.

- **TypeName:** This holds the thesis' type information which is one of these one of these: Master, Doctorate, Specialization in Medicine, and Proficiency in Art.

Institute Attributes

- **InstituteID:** It's the primary key of the type set. It's attributes explained more detailed in Thesis Attributes part.
- **UniversityID:** It's both primary and foreign key of the set. This column is connected to University set. It's attributes explained more detailed in Thesis Attributes part.
- **InstituteName:** This holds the institute's name. It's data type is *nvarchar(100)* because the longest institute name doesn't exceed that length. It's *Non-Nullable* because, an institute without a name wouldn't exist.

University Attributes

- **UniversityID:** This holds the identification number of the university. It's the primary of the University set. It's explained further in Thesis Attributes part.
- **UniversityName:** This holds the university's name. It's data type is *nvarchar(100)* because the university's name wouldn't exceed the 100 character limit. It's *Non-Nullable* because a university without any name wouldn't exist.
- **UniversityCity:** This holds the university's located city. It's data type is *nvarchar(30)* because the city names in the world wouldn't approximately exceed the limit 30. It's *Non-Nullable* because an institute without any city wouldn't exist.³

Language Attributes

- **LanguageID:** This is the primary key of the language set. It's explained further in Thesis Attributes part
- **LanguageName:** This contains the language name. It's data type is *nvarchar(50)* because the a language name wouldn't exceed the 50 character limit. It's *Non-Nullable* because a language without any name wouldn't exist.

ThesisSubjectTopic Attributes

This is a linking set between Thesis and Subject Topic.

³ Excluding the online universities without a physical location.

- **ThesisID:** It's a foreign key in this set which is connected to the Thesis set. Explained further in Thesis Attributes section.
- **SubjectTopicID:** This attribute is a foreign key which is connected to the Subject Topic table. It holds the subject topic identification number. It's *INT* and *Non-Nullable*.

SubjectTopic Attributes

- **SubjectTopicID:** This attribute is the primary key which is also connected to the ThesisSubjectTopic table. It holds the subject topic identification number. It's *INT* and *Non-Nullable*.
- **SubjectTopicName:** This holds the subject topic's name. It's data type is *nvarchar(50)* because the topic's name wouldn't exceed the 50 character limit.

ThesisKeyword Attributes

- **ThesisID:** It's a foreign key in this set which is connected to the Thesis set. Explained further in Thesis Attributes section.
- **KeywordID:** This attribute is a foreign key which is connected to the Keyword table. It holds the Keyword identification number if exists. Since it's optional to have keywords, It's *INT* and *Nullable*.

Keyword Attributes

- **KeywordID:** This attribute is the primary key which is also connected to the ThesisKeyword table. It holds the Keyword identification number if exists.
- **KeywordName:** This holds the keyword's name. It's data type is *nvarchar(50)* because the a keyword's name wouldn't exceed the 50 character limit.

Author Attributes

- **PersonID:** This attribute holds the person's identification number. It's both primary and foreign key for this table. It's connected to the Person set.
- **AuthorID:** It's also a primary key. This attribute holds the person's author identification number. It's *INT* and *Non-Nullable*.

Supervisor Attributes

- **PersonID:** This attribute holds the person's identification number. It's both primary and foreign key for this table. It's connected to the Person set.
- **SupervisorID:** It's also a primary key. This attribute holds the person's supervisor identification number. It's *INT* and *Non-Nullable*.

CoSupervisor Attributes

- **PersonID:** This attribute holds the person's identification number. It's both primary and foreign key for this table. It's connected to the Person set.
- **CoSupervisorID:** It's also a primary key. This attribute holds the person's cosupervisor identification number. It's *INT* and *Non-Nullable*.

Person Attributes

- **PersonID:** This attribute contains the person's identification number. It's the primary key for this set and it's connected to the sub sets (*Author*, *Supervisor*, *CoSupervisor*). It's data type is *INT* and *Non-Nullable* because a person wouldn't exist without it's ID.
- **PersonFirstName:** This column holds the person's first name as the name suggests. It's data Type is *nvarchar(50)* because a regular person's name wouldn't pass the 50 characters. Since a person wouldn't exist without a name, It's *Non-Nullable*.
- **PersonLastName:** This attribute holds the person's last name as the name suggests. It's data Type is *nvarchar(50)* because a regular person's last name wouldn't pass the 50 characters. Since a person wouldn't exist without a last name, It's also *Non-Nullable*.

2.3 Importing Data

In this section, we populate our database with some data which are obtained from YÖK's thesis database portal.

Thesis Data

Results										Messages			
ThesisID	AuthorID	TypeID	UniversityID	InstituteID	LanguageID	SupervisorID	CoSupervisorID	ThesisTitle	ThesisAbstract	ThesisYear	ThesisNumberOfPages	ThesisSubmissionDate	
1	761009	3	1003	202	302	400	504	NULL	MODERN BATI SANATININ TOPLUMSAL YAPI VE MODAYLA ETKİL... Ronesans döneminde ortaya çıkan humanizm akımı insanların... Medical disciplines have been experiencing big challenges in ... Şok, sepsis, mezenter trombusu, barsak transplantasyonu ve n... The transition to marriage is an important life event and a stres...	2022	159	2022-10-04	
2	811867	4	1001	203	303	401	506	600	IMPLEMENTATION OF MACHINE LEARNING METHODS TO UND... Medical disciplines have been experiencing big challenges in ... Şok, sepsis, mezenter trombusu, barsak transplantasyonu ve n... The transition to marriage is an important life event and a stres...	2023	146	2023-05-23	
3	830037	1	1002	200	300	400	500	NULL	BARSAK İSKEMİ-REPERFÜZYON HASARI ÜZERİNE LEPTİNİN ET... Şok, sepsis, mezenter trombusu, barsak transplantasyonu ve n... The transition to marriage is an important life event and a stres...	2006	77	2006-12-25	
4	832607	2	1000	201	308	401	502	NULL	UNDERSTANDING ATTACHMENT BEHAVIORS AND RELATIONSHI... The transition to marriage is an important life event and a stres...	2023	84	2023-11-08	
5	835702	5	1000	204	301	402	508	NULL	تاریخی اتفاقات و مصادیر اسرارهای اعماقی: بررسی اصولیة تضمنیه WIRKUNG DER AUSBILDUNG DER DEUTSCHEN SPRACHE UND... LA FEMME, LA MALADIE ET LA MORT DANS LA LITTÉRATURE F...	2023	174	2023-06-04	
6	850489	6	1000	205	304	403	510	NULL	مختصر تعریف ب ماده اصلیه تدریس اپلیکس مع مصادر اسرارهای اعماقی AVCI, Mehmet: Magisterarbeit über die Einwirkung der Ausbildung der Deutschen Sprache und ... Dans cette étude, nous avons examiné les souffrances physiqu...	2016	122	2016-07-15	
7	880458	7	1001	206	305	404	512	NULL	ХАРАКТЕРИСТИКА ОПИСАНИЯ ИНТЕРВЬЮ В ПОЭМЕ Н.В. ГОЛОУ «МЕ... MAĞİSTERÇKİ İŞ RABOTA. Характеристика описания интервью в поэме Н.В. Голоу «Ме...	2017	150	2017-09-22	
8	901508	8	1000	207	306	405	514	NULL	基于汉语国际教育的双语序言型研究 ОБРАЗОВАНИЕ МАГИСТЕРСКОЙ РАБОТЫ. Характеристика описания инт...	2021	73	2021-08-05	
9	920487	9	1001	208	307	406	516	NULL	中日双语国际视野的双语序言型研究 Girip: Nefrotik sendrom, glomerüler filtrasyon barierindeki has... Genel bilgiler: Seröz papiller over tümörlerinde CXCR4 YOLAGININ IM...	2014	314	2014-05-13	
10	930482	10	1002	209	309	400	518	601	NEFROTİK SENDROM HASTALARINDA SERUM LİPİD DEĞERLERİ... SERÖZ PAPİLLER ÖVER TÜMÖRLERİNDE CXCR4 YOLAGININ İM...	2023	82	2023-07-08	
11	1080845	11	1001	210	310	400	520	602	Genel bilgiler: Seröz papiller epitelyal over kanseri (EOK), tümö... Efecto de la Antenna Enriquecida con distintas Emulsiones Comercia...	2023	61	2023-06-22	
12	1157957	12	1000	211	311	407	522	NULL	Las malformaciones esqueléticas y problemas pigmentarios s...	2010	175	2010-06-10	
13	1280594	13	1003	212	312	400	524	NULL	Türk sineması-seyirci ilişkisi Türk sinemasının 2000'li yıllarda gösterdiği gelişme, pek çok ki...	2016	169	2016-06-16	

Figure 2 : Thesis Set Data

University Data

	UniversityID	UniversityName	UniversityCity
1	200	Gaziantep Üniversitesi	Gaziantep
2	201	Koç Üniversitesi	İstanbul
3	202	Haliç Üniversitesi	İstanbul
4	203	Atılım Üniversitesi	İstanbul
5	204	İstanbul Üniversitesi	İstanbul
6	205	Dicle Üniversitesi	Diyarbakır
7	206	Ankara Üniversitesi	Ankara
8	207	Ağrı İbrahim Çeçen Üniversitesi	Ağrı
9	208	Shanghai International Studies University(Shangh...)	Shanghai
10	209	Sağlık Bilimleri Üniversitesi	Bursa
11	210	Ondokuz Mayıs Üniversitesi	Samsun
12	211	Universidad Zaragoza	Zaragoza
13	212	Mimar Sinan Güzel Sanatlar Üniversitesi	İstanbul

Figure 3: University Set Data

Institute Data

	InstituteID	UniversityID	InstituteName
1	300	200	Faculty of Medicine
2	301	204	Social Sciences
3	302	202	Graduate School of Education
4	303	203	Institute of Science and Technology
5	304	205	Institute of Education Sciences
6	305	206	Social Sciences
7	306	207	Social Sciences
8	307	208	International Management Institute
9	308	201	Social Sciences
10	309	209	Faculty of Medicine
11	310	210	Graduate School of Education
12	311	211	Instituto Agronómico Mediterráneo de Zaragoza
13	312	212	Institute of Fine Arts

Figure 4: Institute Set Data

Language Data

	LanguageID	LanguageName
1	400	Turkish
2	401	English
3	402	Arabic
4	403	German
5	404	French
6	405	Russian
7	406	Japanese
8	407	Spanish

Figure 5: Language Set Data

SubjectTopic Data

	SubjectTopicID	SubjectTopicName
1	900	Pediatric Surgery
2	901	Psychology
3	902	Art History
4	903	Sociology
5	904	Textile and Textile Engineering
6	905	Religion
7	906	German Linguistics and Literature
8	907	Western Linguistics and Literature
9	908	French Linguistics and Literature
10	909	Computer Engineering and Computer Science
11	910	Linguistics
12	911	Child Health and Diseases
13	912	Molecular Medicine
14	913	Aquatic Products
15	914	Güzel Sanatlar
16	915	Sahne ve Görüntü Sanatları

Figure 6: SubjectTopic Set Data

ThesisSubjectTopic Data

	ThesisID	SubjectTopicID
1	830037	900
2	832607	901
3	761009	902
4	761009	903
5	761009	904
6	850489	906
7	901508	907
8	811867	909
9	920487	910
10	930482	911
11	1157957	913
12	1280594	914
13	1280594	915
14	835702	905
15	880458	907
16	880458	908
17	1080845	912

Figure 7: ThesisSubjectTopic Set Data

Type Data

	TypeID	Name
1	1000	Master
2	1001	Doctorate
3	1002	Specialization in Medicine
4	1003	Proficiency in Art

Figure 8: Type Set Data

Author Data

Results Messages

	PersonID	AuthorID
1	700	1
2	702	2
3	704	3
4	706	4
5	708	5
6	710	6
7	712	7
8	714	8
9	717	9
10	719	10
11	722	11
12	725	12
13	727	13

Figure 9: Author Set Data

Supervisor Data

Results Messages

	PersonID	SupervisorID
1	701	500
2	703	502
3	705	504
4	707	506
5	709	508
6	711	510
7	713	512
8	715	514
9	718	516
10	720	518
11	723	520
12	726	522
13	728	524

Figure 10: Supervisor Set Data

CoSupervisor Data

Results Messages

	PersonID	CoSupervisorID
1	716	600
2	721	601
3	724	602

Figure 11: CoSupervisor Set Data

Person Data

Results Messages

	PersonID	PersonFirstName	PersonLastName
1	700	Sevgi Büyükbeye	Sarsu
2	701	PROF. DR. Bülent Hayri	Özokutan
3	702	Tuğba Naz	Ayyıldız
4	703	DOÇ. DR. Gizem Erdem	Gürel
5	704	Şirir	Önen
6	705	DOÇ. DR. Şenan	Alsan
7	706	Gökçen	Tombu
8	707	PROF. DR. Nergiz	Çağatay
9	708	Oumaro	Diarra
10	709	PROF. DR. Osman	Alhamawi
11	710	Mehmet	Avcı
12	711	YRD. DOÇ. DR. Ahmet	Kılıç
13	712	Mahide Gürer	Baydar
14	713	PROF. DR. Şerife Arzu Etensel	İldem
15	714	Aysel	Şahin
16	715	DOÇ. DR. Kamala	Karimova
17	716	DR. ÖĞR. ÜYESİ Damla	Topallı
18	717	Keskin	Mesut
19	718	PROF. DR. Lixin	Jin
20	719	Sümeyra İrem	Duran
21	720	PROF. DR. Muharrem	Bostancı
22	721	PROF. DR. Okan	Akacı
23	722	Burak	Tatar
24	723	PROF. DR. Sezgin	Güneş
25	724	DOÇ. DR. Sercan	Ergün
26	725	Filiz	Özcan
27	726	PROF. DR. Enric	Gisbert
28	727	Mustafa Mert	Atalar
29	728	PROF. Sami	Şekeroğlu

Figure 12: Person Set Data

Keyword Data

	KeywordID	KeywordName
1	800	Leptin
2	801	İskemi-reperfüzyon hasarı
3	802	Barsak
4	803	Nitrik oksit
5	804	Attachment behaviors
6	805	Attachment anxiety
7	806	Attachment avoidance
8	807	Difficulties in emotion regulation
9	808	Interpersonal emotion regulation
10	809	Newly married couples
11	810	Relationship satisfaction
12	811	Fransız Devrimi
13	812	Moda
14	813	Modern Batı Sanatı
15	814	Rönesans
16	815	Sanat
17	816	Sanayi Devrimi
18	817	Tekstil
19	818	Virtual Reality
20	819	Surgical Education
21	820	Hand Movement
22	821	Feature Engineering
23	822	Machine Learning
24	823	تئز
25	824	مقارنة
26	825	رفيق
27	826	مخصص
28	827	سند زیر ایمه
29	828	الحجۃ
30	829	Methode
31	830	Fremdsprache
32	831	Fachliche Kenntnisse der Lehr...
33	832	Motivation der Studierenden
34	833	Николай Васильевич Гоголь
35	834	произведение
36	835	интервью

Figure 13: Keyword Set Data

ThesisKeyword Data

	ThesisID	KeywordID
1	930482	837
2	811867	819
3	811867	820
4	811867	821
5	811867	822
6	835702	823
7	835702	824
8	835702	825
9	835702	826
10	835702	827
11	835702	828
12	930482	838
13	930482	839
14	930482	840
15	930482	836
16	901508	833
17	901508	834
18	901508	835
19	850489	830
20	850489	831
21	850489	832
22	1280594	847
23	1280594	848
24	1280594	849
25	1280594	850
26	1280594	851
27	811867	818
28	830037	803
29	850489	829
30	1157957	NULL
31	830037	800
32	920487	NULL
33	830037	802
34	761009	811
35	761009	812
36	761009	813

Figure 14: ThesisKeyword Set Data

3. Relational Database Diagram

In this section, we provide an additional relational database diagram.

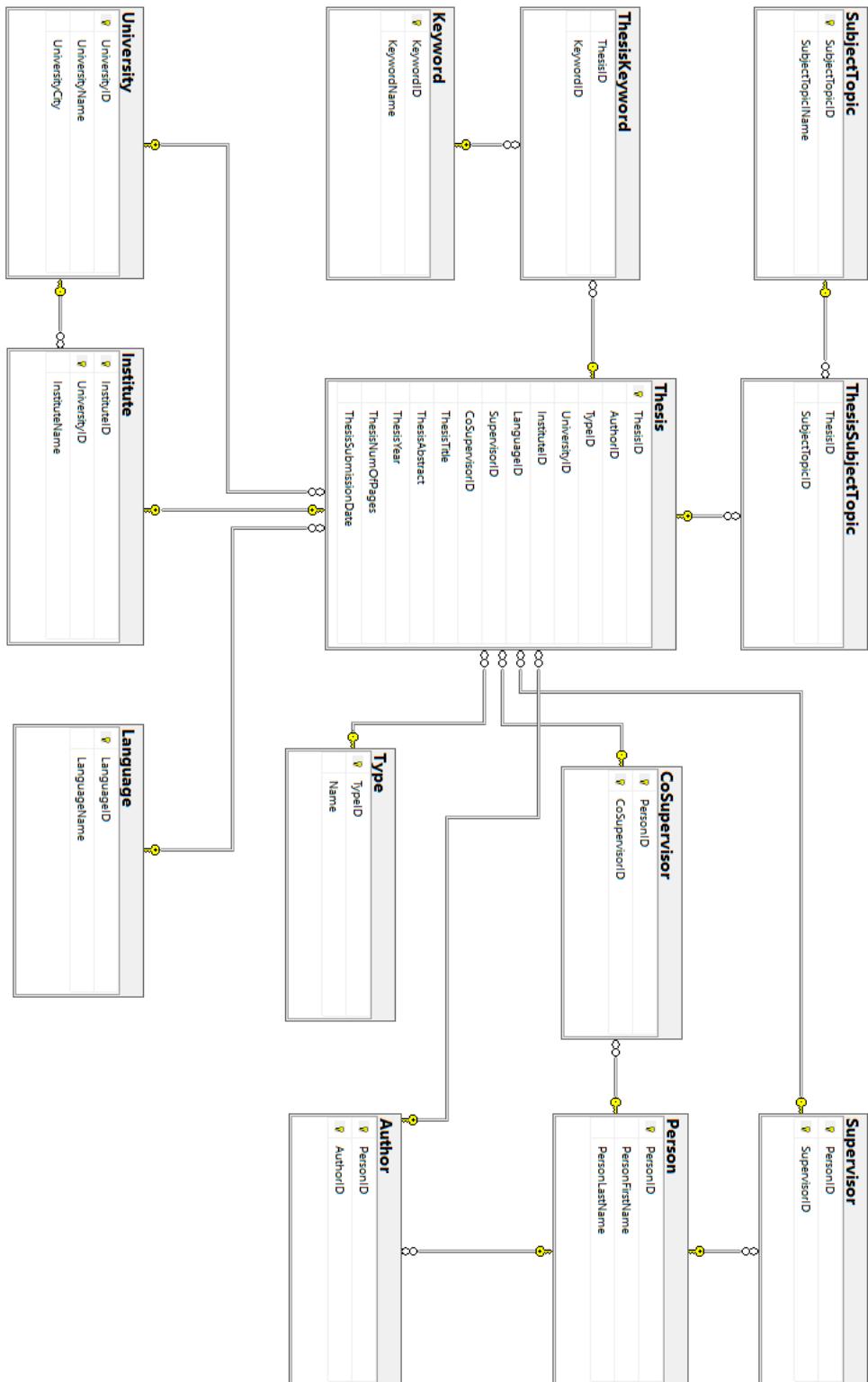


Figure 15 : Relational Database Diagram

4. Database Application (GUI)

We developed an application using Python programming language and Tkinter GUI for Graduate Thesis System. Then, connected this application to the our database that we created in the first part of the project and developed a database application. Our Application consists of 2 roles first is the user (*Author*) and the second is Admin who has the ability to add, update and remove rows.

4.1 User Interfaces

When our database application is opened, two types of user interfaces will appear. First one is Admin and second one is Author.

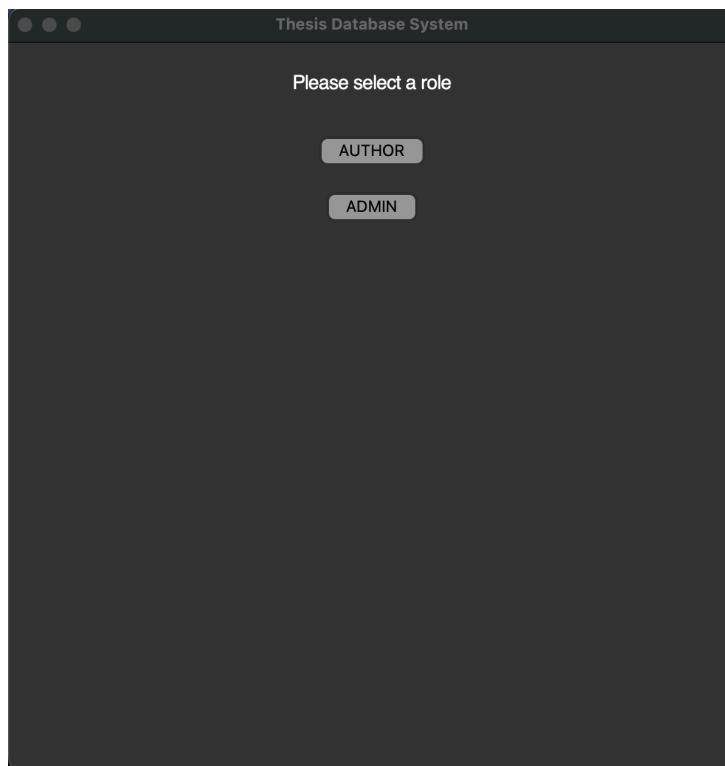


Figure 16: Main Application Screen

User Interface for Admin

In user interface for admin, user can add or update or delete data in parent tables such as Thesis, Type, University, Institute, Language, SubjectTopic, ThesisSubjectTopic, ThesisKeyword, Keyword, CoSupervisor, Supervisor, Author, Person.

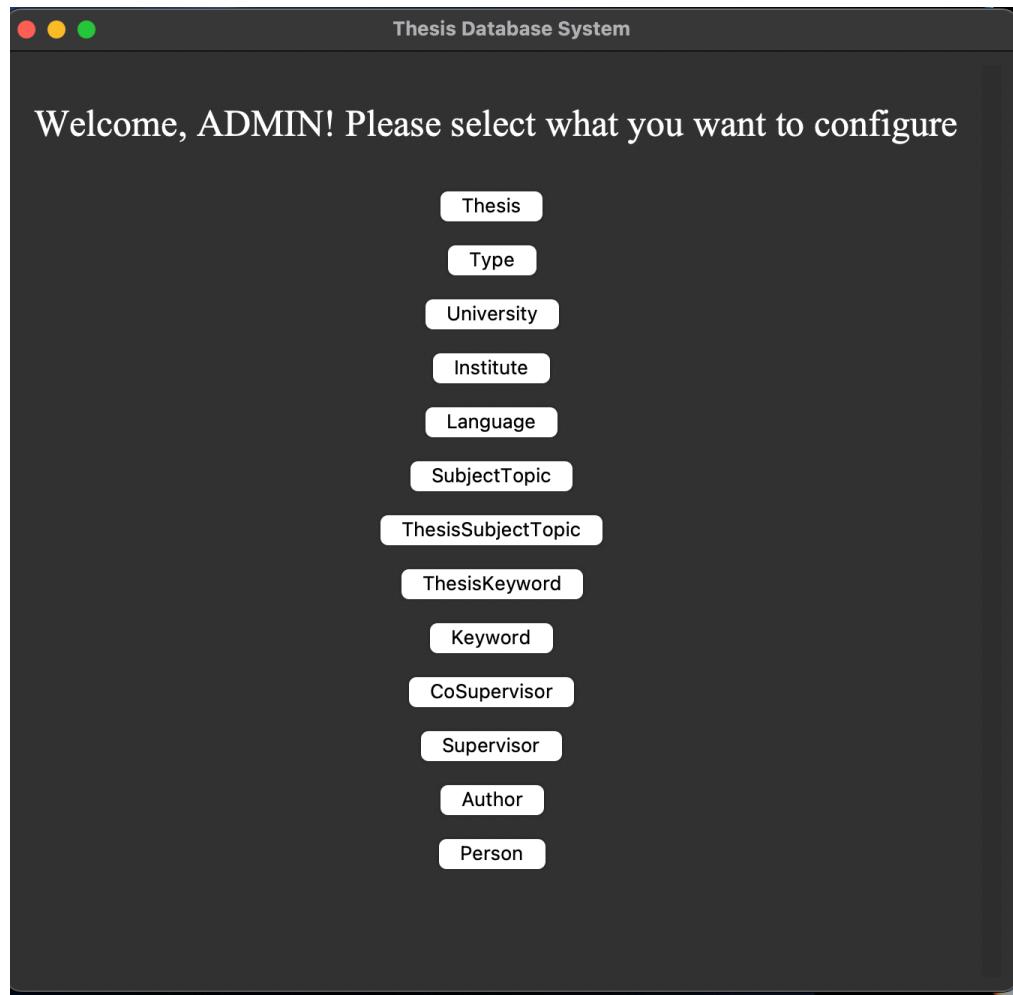
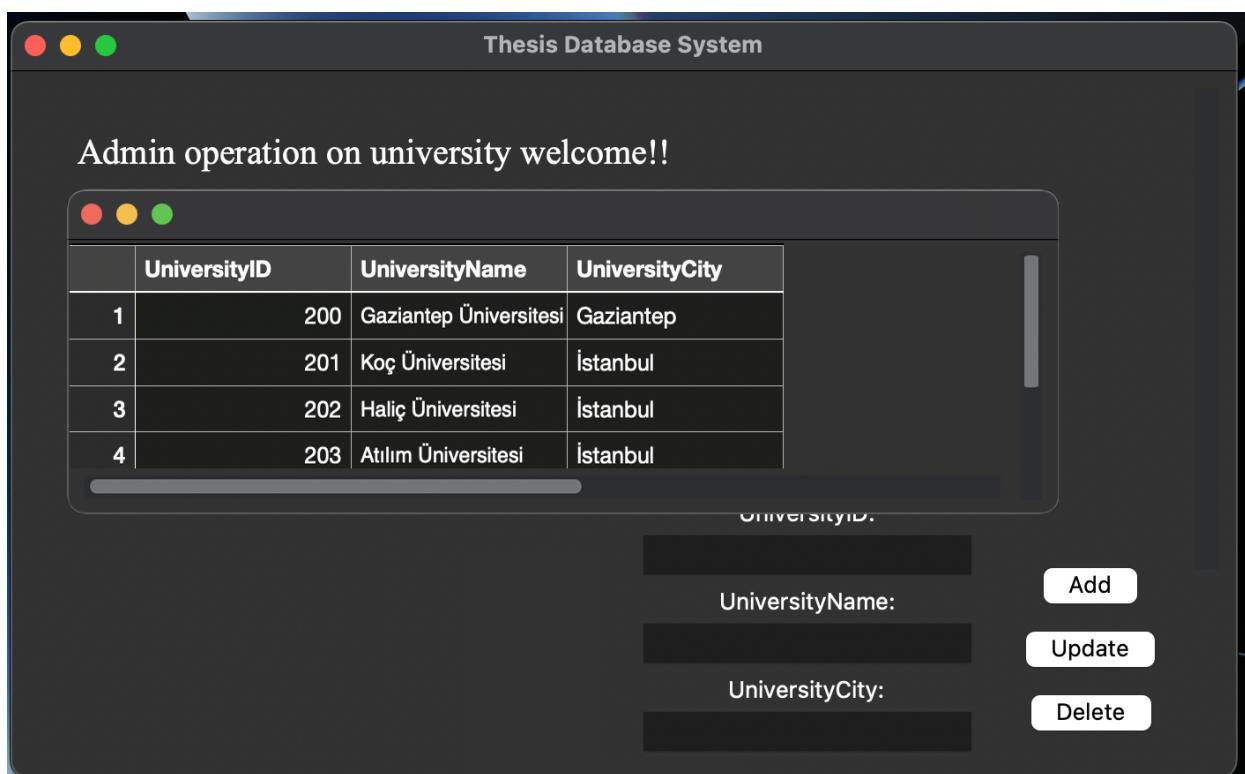


Figure 17: Admin Screen

For example, if admin wants to configure the table University, first a sheet will show the data to the admin, then admin can configure it's variables using the entry boxes.



	UniversityID	UniversityName	UniversityCity
1	200	Gaziantep Üniversitesi	Gaziantep
2	201	Koç Üniversitesi	İstanbul
3	202	Haliç Üniversitesi	İstanbul
4	203	Atılım Üniversitesi	İstanbul

Figure 18: Admin University Configuration Screen

User Interface for Author

In user interface for Author, user can search whatever user wants and user can submit own work.

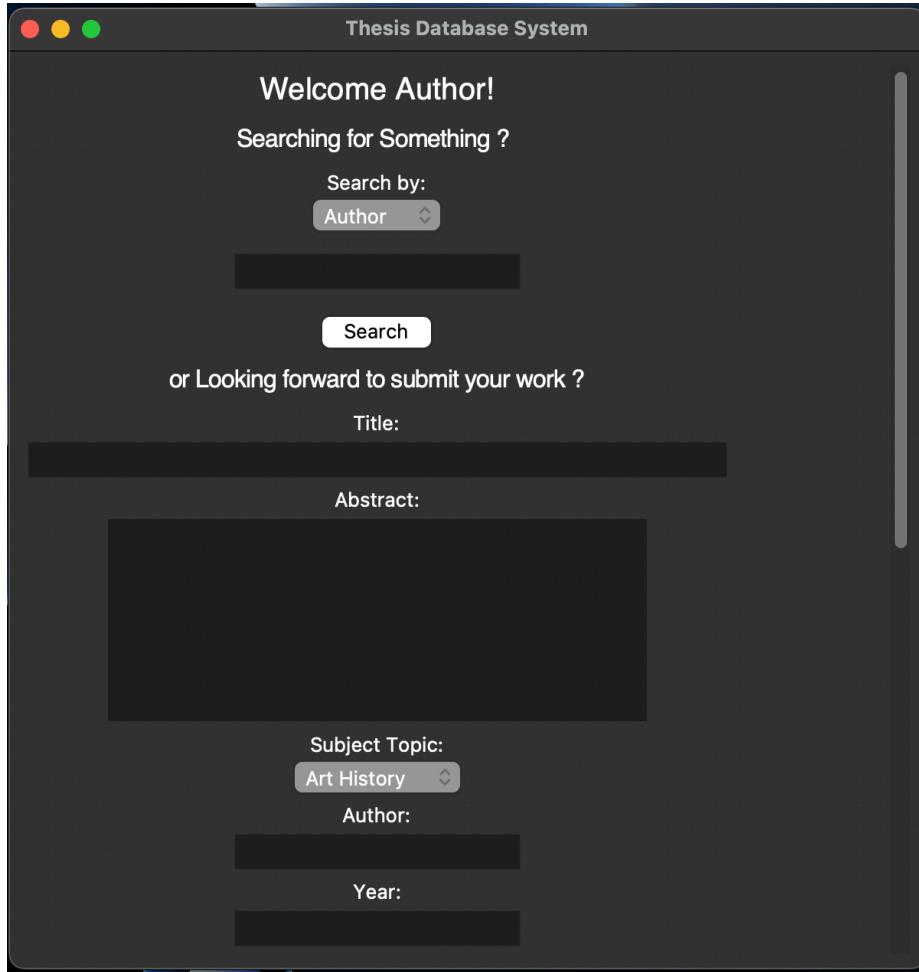


Figure 19: Author Screen

As seen in the Figure 20, user can search the database for a specific features by click the “ Search by “ button. Then , choose the feature and write the feature’s entry which user wants to search. Finally, the Result Sheet appears.

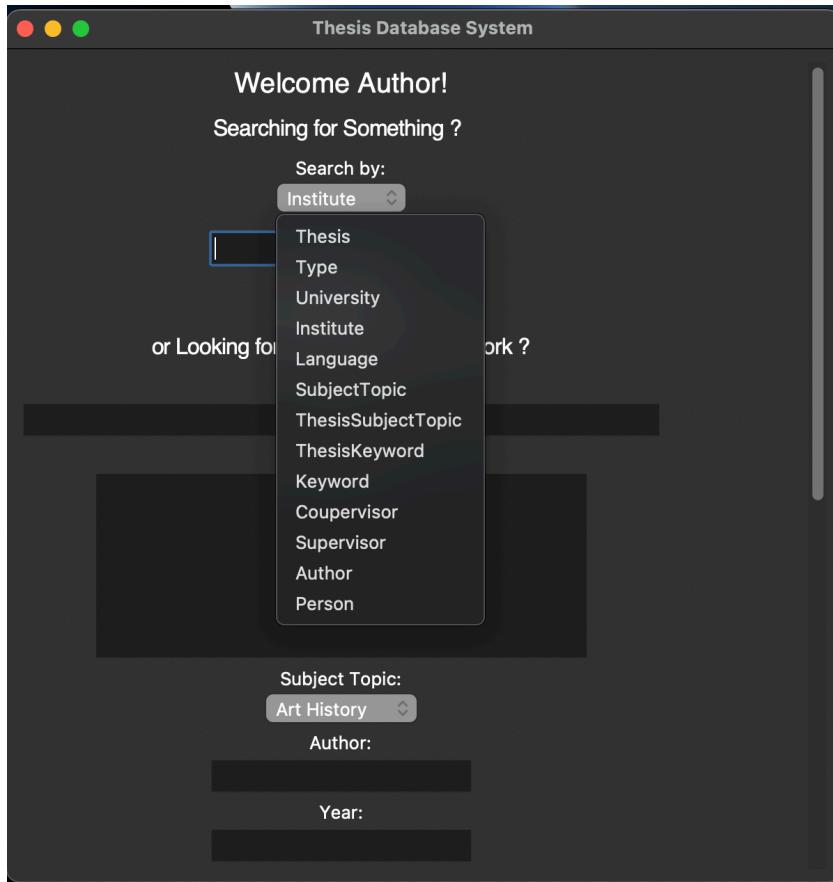


Figure 20: Search by Table

For example, our Database coded Type “Master” as 1000. If user wants to look for Master Thesis, the rows with theTypeID 1000 appears.

Thesis Database System

Welcome Author!

Searching for Something ?

Search by:

Type

Master

Search

or Looking forward to submit your work ?

Search results

TheTypeID	AuthorID	TypeID	UniversityID	InstitutelID	LanguageID
1	832607	2	1000	201	308
2	835702	5	1000	204	301
3	850489	6	1000	205	304
4	901508	8	1000	207	306
5	1157957	12	1000	211	311

Subject Topic:

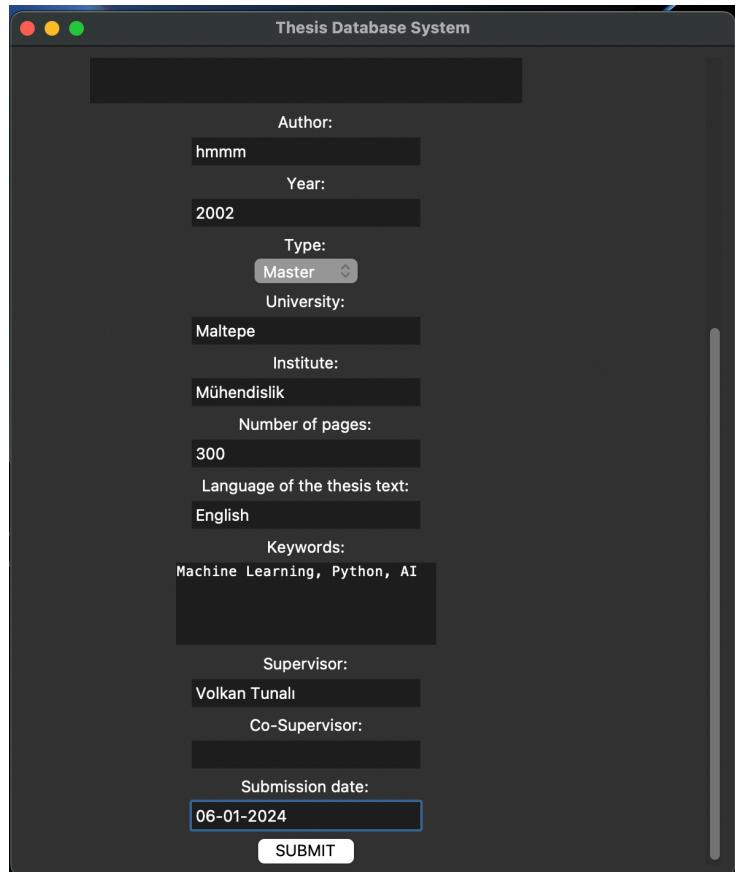
Art History

Author:

Year:

Figure 21: Search Results Sheet

In submit part, user can submit own work by filling the required fields of thesis they want to submit. User should write complete and proper data. For example, year must be a 4 digit integer, title cannot be empty, author cannot be empty. Or else, program will raise errors to the user.



The screenshot shows a dark-themed window titled "Thesis Database System". It contains several input fields for thesis metadata:

- Author: hmmm
- Year: 2002
- Type: Master
- University: Maltepe
- Institute: Mühendislik
- Number of pages: 300
- Language of the thesis text: English
- Keywords: Machine Learning, Python, AI
- Supervisor: Volkan Tunali
- Co-Supervisor: (empty)
- Submission date: 06-01-2024

A "SUBMIT" button is located at the bottom right of the form.

Figure 21.1: Error Handling on Title

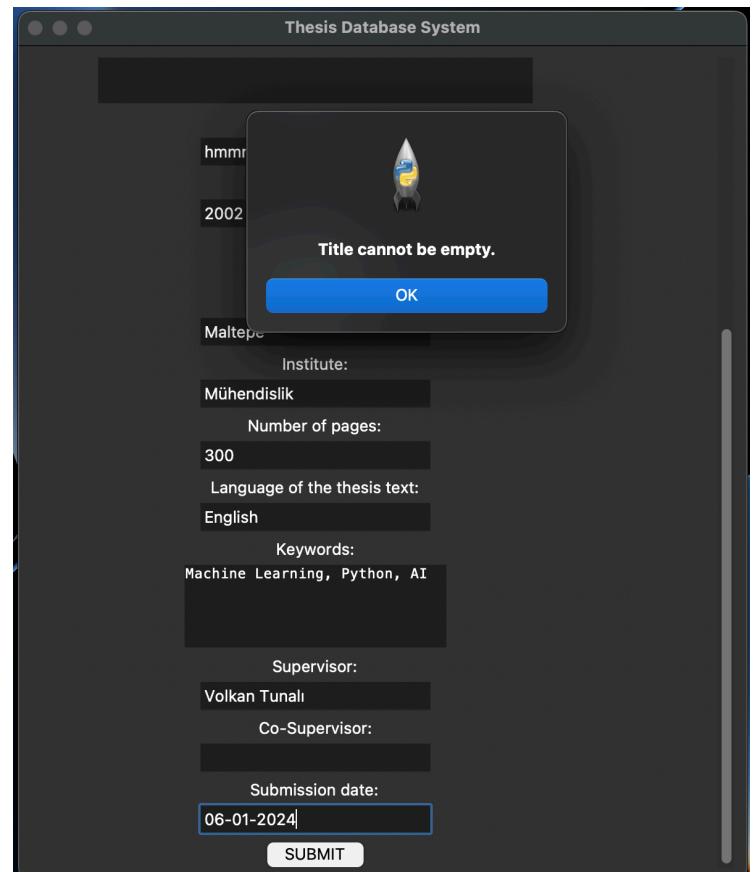


Figure 21.2: Error Handling on Title

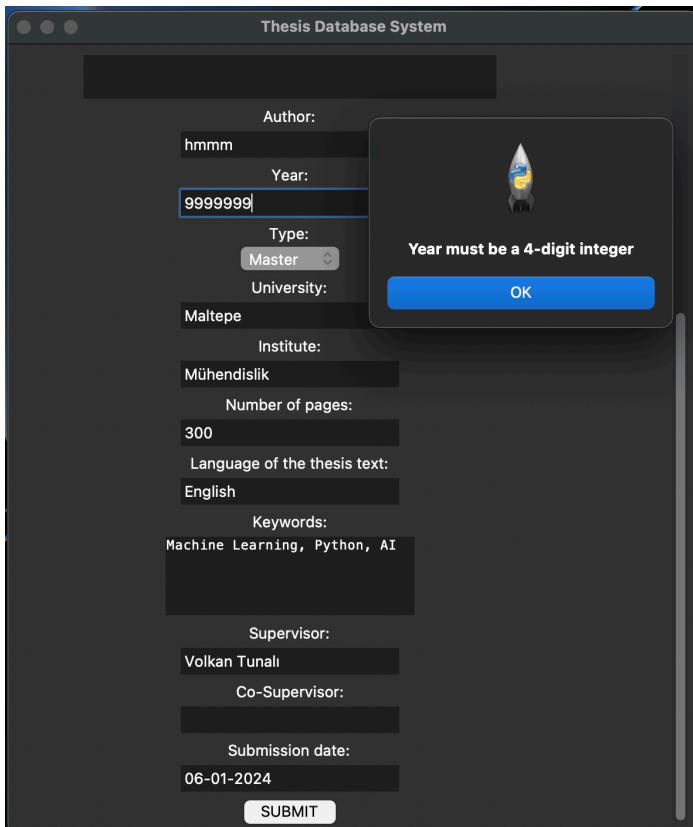


Figure 22: Error Handling on Year

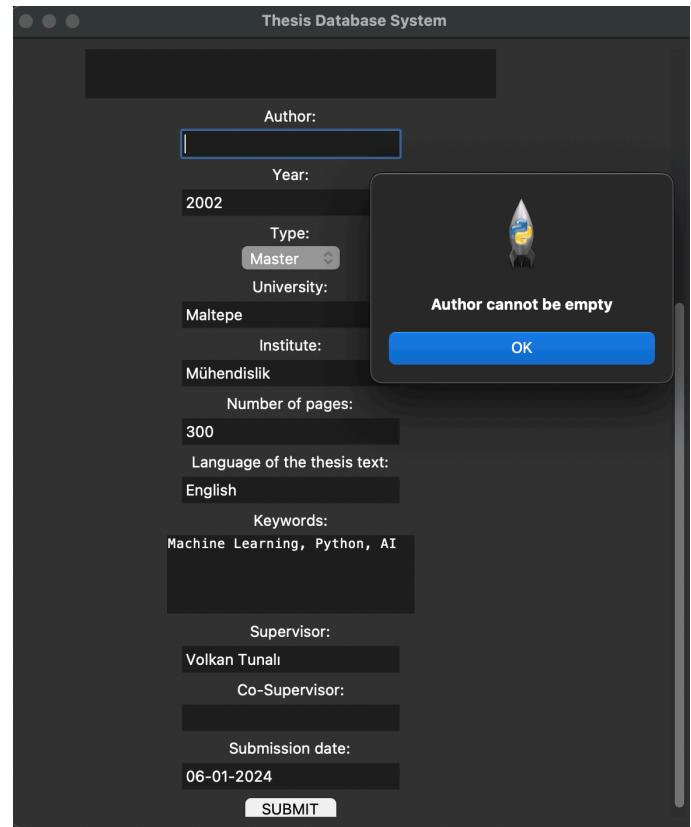


Figure 23: Error Handling on Author

5. Conclusion

In SE 307 Database Management Systems Term Project's first part, we aimed to design a database for Graduate Thesis System. This database contains essential details about each and every graduate thesis completed including thesis id, title, abstract, author, year, type, university, institute, number of pages, language, submission date, supervisors, co-supervisors, associated subject topics and keywords. By providing data requirements and entity relationships, we designed our database. Later, we drew the Entity Relationship Diagram in Crow's Foot notation. Then, we created tables, relationships, necessary indexes in Microsoft SQL Server and obtained the relational database diagram and populated our database with datas which we received from the YÖK thesis database portal. After that, we checked if any error occurs. Finally, we documented the SQL commands we have used to create entities, relationships, indexes and data insertion.

In SE 307 Database Management Systems Term Project's second part, we aimed to develop a database application for Graduate Thesis System. We used Python programming language and Tkinter GUI for developing an application. Later, we made a connection between the application and database which we created in project's first part and developed a database application. This database application has two types of user interfaces: Admin and Author. User can enter or update data in tables in Admin User Interface. Also, user can search data and submit own work in Author User Interface.

5.1 SELF REFLECTION

Even though this course was not face to face, we learned many things in this course, such as how to design a database, determine relationships between entities, create Entity Relationship Diagram, use of Microsoft SQL Server, creation of Relational Database Diagram, writing SQL commands. Thanks to our teacher Volkan Tunali's efforts, helps and supports, we were able to put this together correctly. This course and project helped us to decide and develop our career paths.

6. Appendix

6.1 Author Create to Script

```
USE [SE307]
GO

/******** Object: Table [dbo].[Author]      Script Date: 12/3/2023 9:17:04 PM
*******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Author](
    [PersonID] [int] NOT NULL,
    [AuthorID] [int] NOT NULL,
    CONSTRAINT [PK_Author] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC,
    [AuthorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY],
    CONSTRAINT [IX_Author] UNIQUE NONCLUSTERED
(
    [AuthorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO
```

```

ALTER TABLE [dbo].[Author] WITH CHECK ADD CONSTRAINT [FK_Author_Person]
FOREIGN KEY([PersonID])
REFERENCES [dbo].[Person] ([PersonID])
GO

```

```

ALTER TABLE [dbo].[Author] CHECK CONSTRAINT [FK_Author_Person]
GO

```

6.2 CoSupervisor Create to Script

```

USE [SE307]
GO

***** Object: Table [dbo].[CoSupervisor]      Script Date: 12/3/2023 9:17:45
PM *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[CoSupervisor](
    [PersonID] [int] NOT NULL,
    [CoSupervisorID] [int] NOT NULL,
    CONSTRAINT [PK_CoSupervisor] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC,
    [CoSupervisorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY],
CONSTRAINT [IX_CoSupervisor] UNIQUE NONCLUSTERED
(
    [CoSupervisorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CoSupervisor] WITH CHECK ADD CONSTRAINT
[FK_CoSupervisor_Person] FOREIGN KEY([PersonID])
REFERENCES [dbo].[Person] ([PersonID])
GO

ALTER TABLE [dbo].[CoSupervisor] CHECK CONSTRAINT [FK_CoSupervisor_Person]
GO

```

6.3 Institute Create to Script

```

USE [SE307]
GO

***** Object: Table [dbo].[Institute]      Script Date: 12/3/2023 9:18:14 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Institute](

```

```

[InstituteID] [int] NOT NULL,
[UniversityID] [int] NOT NULL,
[InstituteName] [nvarchar](100) NOT NULL,
CONSTRAINT [PK_Institute2] PRIMARY KEY CLUSTERED
(
    [InstituteID] ASC,
    [UniversityID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY],
CONSTRAINT [IX_Institute] UNIQUE NONCLUSTERED
(
    [InstituteID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Institute] WITH CHECK ADD CONSTRAINT [FK_Institute_Thesis]
FOREIGN KEY([InstituteID])
REFERENCES [dbo].[Thesis] ([InstituteID])
GO

ALTER TABLE [dbo].[Institute] CHECK CONSTRAINT [FK_Institute_Thesis]
GO

ALTER TABLE [dbo].[Institute] WITH CHECK ADD CONSTRAINT
[FK_Institute_University] FOREIGN KEY([UniversityID])
REFERENCES [dbo].[University] ([UniversityID])
GO

ALTER TABLE [dbo].[Institute] CHECK CONSTRAINT [FK_Institute_University]
GO

```

6.4 Keyword Create to Script

```

USE [SE307]
GO

***** Object: Table [dbo].[Keyword]      Script Date: 12/3/2023 9:19:03 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Keyword](
    [KeywordID] [int] NOT NULL,
    [KeywordName] [nvarchar](50) NULL,
CONSTRAINT [PK_Keyword] PRIMARY KEY CLUSTERED
(
    [KeywordID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

6.5 Language Create to Script

```
USE [SE307]
```

```

GO

***** Object: Table [dbo].[Language]      Script Date: 12/3/2023 9:19:26 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Language](
    [LanguageID] [int] NOT NULL,
    [LanguageName] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_Language] PRIMARY KEY CLUSTERED
(
    [LanguageID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

6.6 Person Create to Script

```

USE [SE307]
GO

***** Object: Table [dbo].[Person]      Script Date: 12/3/2023 9:19:51 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Person](
    [PersonID] [int] NOT NULL,
    [PersonFirstName] [nvarchar](50) NOT NULL,
    [PersonLastName] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_Person2] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

6.7 SubjectTopic Create to Script

```

USE [SE307]
GO

***** Object: Table [dbo].[SubjectTopic]      Script Date: 12/3/2023 9:20:18
PM *****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[SubjectTopic](
    [SubjectTopicID] [int] NOT NULL,

```

```

[SubjectTopicName] [nvarchar](50) NOT NULL,
CONSTRAINT [PK_SubjectTopic2] PRIMARY KEY CLUSTERED
(
    [SubjectTopicID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

```

6.8 Supervisor Create to Script

```

USE [SE307]
GO

/******** Object: Table [dbo].[Supervisor]      Script Date: 12/3/2023 9:20:42 PM
*******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Supervisor](
    [PersonID] [int] NOT NULL,
    [SupervisorID] [int] NOT NULL,
CONSTRAINT [PK_Supervisor2] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC,
    [SupervisorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY],
CONSTRAINT [IX_Supervisor] UNIQUE NONCLUSTERED
(
    [SupervisorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Supervisor] WITH CHECK ADD CONSTRAINT
[FK_Supervisor_Person] FOREIGN KEY([PersonID])
REFERENCES [dbo].[Person] ([PersonID])
GO

ALTER TABLE [dbo].[Supervisor] CHECK CONSTRAINT [FK_Supervisor_Person]
GO

```

6.9 Thesis Create to Script

```

USE [SE307]
GO

/******** Object: Table [dbo].[Thesis]      Script Date: 12/3/2023 9:21:26 PM
*******/

```

```

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Thesis](
    [ThesisID] [numeric](7, 0) NOT NULL,
    [AuthorID] [int] NOT NULL,
    [TypeID] [int] NOT NULL,
    [UniversityID] [int] NOT NULL,
    [InstituteID] [int] NOT NULL,
    [LanguageID] [int] NOT NULL,
    [SupervisorID] [int] NOT NULL,
    [CoSupervisorID] [int] NULL,
    [ThesisTitle] [nvarchar](500) NOT NULL,
    [ThesisAbstract] [nvarchar](max) NOT NULL,
    [ThesisYear] [numeric](4, 0) NOT NULL,
    [ThesisNumOfPages] [int] NOT NULL,
    [ThesisSubmissionDate] [date] NOT NULL,
    CONSTRAINT [PK_Thesis] PRIMARY KEY CLUSTERED
    (
        [ThesisID] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
    ON [PRIMARY],
    CONSTRAINT [IX_Thesis] UNIQUE NONCLUSTERED
    (
        [InstituteID] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
    ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_CoSupervisor]
FOREIGN KEY([CoSupervisorID])
REFERENCES [dbo].[CoSupervisor] ([CoSupervisorID])
GO

ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_CoSupervisor]
GO

ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Language]
FOREIGN KEY([LanguageID])
REFERENCES [dbo].[Language] ([LanguageID])
GO

ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Language]
GO

ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Supervisor]
FOREIGN KEY([SupervisorID])
REFERENCES [dbo].[Supervisor] ([SupervisorID])
GO

ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Supervisor]
GO

ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Type] FOREIGN
KEY([TypeID])
REFERENCES [dbo].[Type] ([TypeID])
GO

```

```

ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Type]
GO

ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_University]
FOREIGN KEY([UniversityID])
REFERENCES [dbo].[University] ([UniversityID])
GO

ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_University]
GO

```

6.10 ThesisKeyword Create to Script

```

USE [SE307]
GO

/******** Object: Table [dbo].[ThesisKeyword]      Script Date: 12/3/2023 9:21:59
PM *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[ThesisKeyword](
    [ThesisID] [numeric](7, 0) NOT NULL,
    [KeywordID] [int] NULL
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[ThesisKeyword] WITH CHECK ADD CONSTRAINT
[FK_ThesisKeyword_Keyword1] FOREIGN KEY([KeywordID])
REFERENCES [dbo].[Keyword] ([KeywordID])
GO

ALTER TABLE [dbo].[ThesisKeyword] CHECK CONSTRAINT [FK_ThesisKeyword_Keyword1]
GO

ALTER TABLE [dbo].[ThesisKeyword] WITH CHECK ADD CONSTRAINT
[FK_ThesisKeyword_Thesis] FOREIGN KEY([ThesisID])
REFERENCES [dbo].[Thesis] ([ThesisID])
GO

ALTER TABLE [dbo].[ThesisKeyword] CHECK CONSTRAINT [FK_ThesisKeyword_Thesis]
GO

```

6.11 ThesisSubjectTopic Create to Script

```

USE [SE307]
GO

/******** Object: Table [dbo].[ThesisSubjectTopic]      Script Date: 12/3/2023
9:22:38 PM *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```

```
CREATE TABLE [dbo].[ThesisSubjectTopic](
    [ThesisID] [numeric](7, 0) NOT NULL,
    [SubjectTopicID] [int] NOT NULL
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[ThesisSubjectTopic] WITH CHECK ADD CONSTRAINT
[FK_ThesisSubjectTopic_SubjectTopic] FOREIGN KEY([SubjectTopicID])
REFERENCES [dbo].[SubjectTopic] ([SubjectTopicID])
GO

ALTER TABLE [dbo].[ThesisSubjectTopic] CHECK CONSTRAINT
[FK_ThesisSubjectTopic_SubjectTopic]
GO

ALTER TABLE [dbo].[ThesisSubjectTopic] WITH CHECK ADD CONSTRAINT
[FK_ThesisSubjectTopic_Thesis] FOREIGN KEY([ThesisID])
REFERENCES [dbo].[Thesis] ([ThesisID])
GO

ALTER TABLE [dbo].[ThesisSubjectTopic] CHECK CONSTRAINT
[FK_ThesisSubjectTopic_Thesis]
GO
```

6.12 Type Create to Script

```
USE [SE307]
GO

***** Object: Table [dbo].[Type]      Script Date: 12/3/2023 9:23:07 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Type](
    [TypeID] [int] NOT NULL,
    [Name] [nchar](50) NOT NULL,
    CONSTRAINT [PK_Type2] PRIMARY KEY CLUSTERED
(
    [TypeID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO
```

6.13 University Create to Script

```
USE [SE307]
GO

***** Object: Table [dbo].[University]      Script Date: 12/3/2023 9:23:32 PM
*****
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[University](
```

```
[UniversityID] [int] NOT NULL,
[UniversityName] [nvarchar](100) NOT NULL,
[UniversityCity] [nvarchar](30) NOT NULL,
CONSTRAINT [PK_University] PRIMARY KEY CLUSTERED
(
    [UniversityID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF)
ON [PRIMARY]
) ON [PRIMARY]
GO
```

6.14 GUI with Tkinter Codes

```
from tkinter import *
from tkinter import ttk
from tkinter import messagebox
import tksheet
import pyodbc

class DSystem:
    def __init__(self, kaynak):
        self.kaynak = kaynak
        self.kaynak.title("Thesis Database System")
        self.kaynak.geometry("600x600+500+200")

        # Creating label
        self.label = Label(self.kaynak, text="Please select a role", font=("Helvetica", 16))
        self.label.pack(pady=20)

        # Creating buttons
        self.author_button = Button(self.kaynak, text="AUTHOR",
command=self.open_author_page,highlightthickness=0)
        self.author_button.pack(pady=10)
        self.author_button.focus_set()
```

```
self.admin_button = Button(self.kaynak, text="ADMIN",
command=self.open_admin_page,highlightthickness=0)

self.admin_button.pack(pady=10)

self.admin_button.focus_set()

# Initializing frames

self.main_frame = Frame(self.kaynak)

self.author_frame = Frame(self.kaynak)

self.admin_frame = Frame(self.kaynak)

#don't forget to intialize other frames as well

self.admin_opt_thesis_frame = Frame(self.kaynak)

self.admin_opt_type_frame = Frame(self.kaynak)

self.admin_opt_university_frame = Frame(self.kaynak)

self.admin_opt_institute_frame = Frame(self.kaynak)

self.admin_opt_language_frame = Frame(self.kaynak)

self.admin_opt_subject_topic_frame = Frame(self.kaynak)

self.admin_opt_thesis_subject_topic_frame = Frame(self.kaynak)

self.admin_opt_thesis_keyword_frame = Frame(self.kaynak)

self.admin_opt_keyword_frame = Frame(self.kaynak)

self.admin_opt_cosupervisor_frame = Frame(self.kaynak)

self.admin_opt_supervisor_frame = Frame(self.kaynak)

self.admin_opt_author_frame = Frame(self.kaynak)

self.admin_opt_person_frame = Frame(self.kaynak)
```

```
def open_author_page(self):  
    # Hide the main frame  
  
    self.label.pack_forget()  
  
    self.author_button.pack_forget()  
  
    self.admin_button.pack_forget()  
  
  
    second_frame = self.create_frame_with_scrollbar(self.author_frame)  
  
  
    Label(second_frame, text="Welcome Author!", font=("Helvetica", 20)).pack()  
  
  
    Label(second_frame, text="Searching for Something ? ", font=("Helvetica", 16)).pack(pady=5)  
  
  
    Label(second_frame, text="Search by:").pack()  
  
    self.search_var = StringVar(second_frame)  
  
    self.search_var.set("Author") # Set default value  
  
    self.search_var.trace_add("write",self.on_type_change)  
  
    self.search_dropdown = OptionMenu(second_frame,  
self.search_var,"Thesis","Type","University","Institute","Language","SubjectTopic","ThesisSubjectTopic","ThesisKeyword",  
"Keyword","Coupervisor","Supervisor","Author","Person" )  
  
    self.search_dropdown.pack()  
  
  
    self.search_dropdown.focus_set()  
  
  
    self.search_entry = Entry(second_frame)
```

```
self.search_entry.pack(pady=10)

# searchbutton

self.search_button = Button(second_frame, text="Search", command=self.perform_search)

self.search_button.pack()

Label(second_frame, text=" or Looking forward to submit your work ? ", font=("Helvetica",
16)).pack(pady=5)

# Title

Label(second_frame, text="Title:").pack()

self.title_entry = Entry(second_frame, width=50)

self.title_entry.pack()

self.title_entry.focus_set()

# Abstract

Label(second_frame, text="Abstract:").pack()

self.abstract_entry = Text(second_frame, width=50, height=10)

self.abstract_entry.pack()

self.abstract_entry.focus_set()

Label(second_frame, text="Subject Topic:").pack()

self.subject_top_var = StringVar(second_frame)

self.subject_top_var.set("Art History") # Set default value

self.subject_top_var.trace_add("write",self.on_type_change)

self.subject_top_dropdown = OptionMenu(second_frame, self.subject_top_var, "Pediatric
Surgery","Psychology","Art History","Sociology","Textile and Textile Engineering",
```

"Religion", "German Linguistics and Literature", "Western Linguistics and Literature", "French Linguistics and Literature",

"Computer Engineering and Computer Science", "Linguistics", "Child Health and Diseases", "Molecular Medicine",

"Aquatic Products", "Güzel Sanatlar", "Sahne ve Görüntü Sanatları",

)

self.subject_top_dropdown.pack()

Author

Label(second_frame, text="Author:").pack()

self.author_entry = Entry(second_frame)

self.author_entry.pack()

self.author_entry.focus_set()

Year

Label(second_frame, text="Year:").pack()

self.year_entry = Entry(second_frame)

self.year_entry.pack()

self.year_entry.focus_set()

Type

Label(second_frame, text="Type:").pack()

self.type_var = StringVar(second_frame)

self.type_var.set("Master") # Set default value

self.type_var.trace_add("write", self.on_type_change)

```
self.type_dropdown = OptionMenu(second_frame, self.type_var, "Master", "Doctorate",
"Specialization in Medicine", "Proficiency in Art")

self.type_dropdown.pack()

self.type_dropdown.focus_set()

# University

Label(second_frame, text="University:").pack()

self.university_entry = Entry(second_frame)

self.university_entry.pack()

self.university_entry.focus_set()

# Institute

Label(second_frame, text="Institute:").pack()

self.institute_entry = Entry(second_frame)

self.institute_entry.pack()

self.institute_entry.focus_set()

# Number of pages

Label(second_frame, text="Number of pages:").pack()

self.pages_entry = Entry(second_frame)

self.pages_entry.pack()

self.pages_entry.focus_set()
```

```
# Language  
  
Label(second_frame, text="Language of the thesis text:").pack()  
  
self.language_entry = Entry(second_frame)  
  
self.language_entry.pack()  
  
  
self.language_entry.focus_set()  
  
  
# KEywords  
  
Label(second_frame, text="Keywords:").pack()  
  
self.keywords_entry = Text(second_frame, width=30, height=5)  
  
self.keywords_entry.pack()  
  
  
self.language_entry.focus_set()  
  
  
#Supervisor  
  
Label(second_frame, text="Supervisor:").pack()  
  
self.supervisor_entry = Entry(second_frame)  
  
self.supervisor_entry.pack()  
  
  
self.supervisor_entry.focus_set()  
  
  
#COSupervisor  
  
Label(second_frame, text="Co-Supervisor:").pack()  
  
self.cosup_entry = Entry(second_frame)  
  
self.cosup_entry.pack()  
  
  
self.cosup_entry.focus_set()
```

```
# Submission date

Label(second_frame, text="Submission date:").pack()

self.submission_date_entry = Entry(second_frame)

self.submission_date_entry.pack()

self.submission_date_entry.focus_set()

# Submission Button

self.submission_button = Button(second_frame, text="SUBMIT",
command=self.submit_thesis,highlightthickness=0)

self.submission_button.pack()

self.submission_button.focus_set()

def open_admin_page(self):

    # Hide the main frame

    self.label.pack_forget()

    self.author_button.pack_forget()

    self.admin_button.pack_forget()

    # make page scrollable

    second_frame = self.create_frame_with_scrollbar(self.admin_frame)

    self.button_names=
    ["admin_opt_thesis","admin_opt_type","admin_opt_university","admin_opt_institute",
     "admin_opt_language","admin_opt_subject_top","admin_opt_thesis_subject_topic",
```

```
"admin_opt_thesis_keyword","admin_opt_keyword","admin_opt_cosupervisor","admin_option_supervisor",
"admin_opt_author","admin_opt_person"

]

self.button_real_names =
["Thesis","Type","University","Institute","Language","SubjectTopic","ThesisSubjectTopic","ThesisKey
word",
"Keyword","CoSupervisor","Supervisor","Author","Person"

]

self.button_commands =
[self.open_admin_opt_thesis,self.open_admin_opt_type,self.open_admin_opt_university,self.open_admi
n_opt_institute,
self.open_admin_opt_language,
self.open_admin_opt_subject_top,self.open_admin_opt_thesis_subject_top,self.open_admin_opt_thesis_
keyword,
self.open_admin_opt_keyword, self.open_admin_opt_cosupervisor,
self.open_admin_opt_supervisor, self.open_admin_opt_author,
self.open_admin_opt_person

]

admin_buttons = {}
```

Label(second_frame, text=" Welcome, ADMIN! Please select what you want to
configure",font=("Times New Roman", 25)).pack(pady=20)

```
for button_name, real_name, button_command in zip(self.button_names, self.button_real_names,  
self.button_commands):
    admin_buttons[button_name] = Button(second_frame, text=real_name,  
command=button_command, highlightthickness=0)
    admin_buttons[button_name].pack(pady=5,padx=10)
```

```
admin_buttons[button_name].focus_set()

def open_admin_opt_thesis(self):
    self.admin_frame.pack_forget()

    second_frame = self.create_frame_with_scrollbar(self.admin_opt_thesis_frame)

    Label(second_frame, text=" admin operation on thesis welcome!!!").pack(pady=20)

    table_name = "Thesis"

    conn = pyodbc.connect('Driver={SQL Server};'
                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                          'Database=SE307;')

    cur = conn.cursor()
    cur.execute("SELECT * FROM {}".format(table_name))
    records = cur.fetchall()
    col_names = [i[0] for i in cur.description]
    sheet = tksheet.Sheet(self, data=records, headers=col_names,
                          width=700, height=200)

# Title

Label(second_frame, text="Title:").pack()
self.title_entry_update = Entry(second_frame, width=50)
self.title_entry_update.pack()

self.title_entry_update.focus_set()
```

Abstract

```
Label(second_frame, text="Abstract:").pack()  
self.abstract_entry_update = Text(second_frame, width=50, height=10)  
self.abstract_entry_update.pack()
```

```
self.abstract_entry_update.focus_set()
```

```
Label(second_frame, text="Subject Topic:").pack()
```

```
self.subject_top_var_update = Entry(second_frame)  
self.subject_top_var_update.pack()
```

Author

```
Label(second_frame, text="Author:").pack()  
self.author_entry_update = Entry(second_frame)  
self.author_entry_update.pack()
```

```
self.author_entry_update.focus_set()
```

Year

```
Label(second_frame, text="Year:").pack()  
self.year_entry_update = Entry(second_frame)  
self.year_entry_update.pack()
```

```
self.year_entry_update.focus_set()
```

Type

```
Label(second_frame, text="Type:").pack()
```

```
self.type_var_update = Entry(second_frame)
self.type_var_update.pack()

# University
Label(second_frame, text="University:").pack()
self.university_entry_update = Entry(second_frame)
self.university_entry_update.pack()

self.university_entry_update.focus_set()

# Institute
Label(second_frame, text="Institute:").pack()
self.institute_entry_update = Entry(second_frame)
self.institute_entry_update.pack()

self.institute_entry_update.focus_set()

# Number of pages
Label(second_frame, text="Number of pages:").pack()
self.pages_entry_update = Entry(second_frame)
self.pages_entry_update.pack()

self.pages_entry_update.focus_set()

# Language
Label(second_frame, text="Language of the thesis text:").pack()
self.language_entry_update = Entry(second_frame)
```

```
self.language_entry_update.pack()

self.language_entry_update.focus_set()

# KKeywords

Label(second_frame, text="Keywords:").pack()

self.keywords_entry_update = Text(second_frame, width=30, height=5)

self.keywords_entry_update.pack()

self.language_entry_update.focus_set()

#Supervisor

Label(second_frame, text="Supervisor:").pack()

self.supervisor_entry_update = Entry(second_frame)

self.supervisor_entry_update.pack()

self.supervisor_entry_update.focus_set()

#COSupervisor

Label(second_frame, text="Co-Supervisor:").pack()

self.cosup_entry_update = Entry(second_frame)

self.cosup_entry_update.pack()

self.cosup_entry_update.focus_set()

# Submission date

Label(second_frame, text="Submission date:").pack()
```

```
self.submission_date_entry_update = Entry(second_frame)
self.submission_date_entry_update.pack()

add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_type(self):
    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_type_frame)

Label(second_frame, text=" admin operation on type welcome!!1").pack()

table_name = "Type"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()
cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
width=700, height=200)
```

```
add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_university(self):
    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_university_frame)

Label(second_frame, text=" Admin operation on university welcome!!",font=("Times New Roman",20)).pack(pady=20,padx=20,)

table_name = "University"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
                      width=700, height=200)

sheet.pack()
```

```
Label(second_frame, text="UniversityID:").pack()  
self.update_uni_id = Entry(second_frame)  
self.update_uni_id.pack()  
  
Label(second_frame, text="UniversityName:").pack()  
self.update_uni_name = Entry(second_frame)  
self.update_uni_name.pack()  
  
Label(second_frame, text="UniversityCity:").pack()  
self.update_uni_city = Entry(second_frame)  
self.update_uni_city.pack()  
  
add_button = Button(self.kaynak, text="Add",  
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)  
  
update_button = Button(self.kaynak, text="Update",  
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)  
  
delete_button = Button(self.kaynak, text="Delete",  
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)  
  
def open_admin_opt_institute(self):  
    self.admin_frame.pack_forget()  
  
    second_frame = self.create_frame_with_scrollbar(self.admin_opt_institute_frame)  
  
    Label(second_frame, text=" admin operation on institute welcome!!1").pack()  
    table_name = "Institute"
```

```
conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
                      width=700, height=200)

add_button = Button(self.kaynak, text="Add",
                     command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
                     command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
                     command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_language(self):
    self.admin_frame.pack_forget()

    second_frame = self.create_frame_with_scrollbar(self.admin_opt_language_frame)

    Label(second_frame, text=" admin operation on language welcome!!1").pack()

    table_name = "Language"

    conn = pyodbc.connect('Driver={SQL Server};'
                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                          'Database=SE307;')

    cur = conn.cursor()
```

```
cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
                      width=700, height=200)

add_button = Button(self.kaynak, text="Add",
                    command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
                      command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
                      command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_subject_top(self):

    self.admin_frame.pack_forget()

    second_frame = self.create_frame_with_scrollbar(self.admin_opt_subject_topic_frame)

    Label(second_frame, text=" admin operation on subject topic welcome!!1").pack()

table_name = "SubjectTopic"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
```

```
width=700, height=200)

add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_thesis_subject_top(self):
    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_thesis_subject_topic_frame)

Label(second_frame, text=" admin operation on ThesisSubjectTopic welcome!!1").pack()

table_name = "ThesisSubjectTopic"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
width=700, height=200)
```

```
add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_thesis_keyword(self):
    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_thesis_keyword_frame)

Label(second_frame, text=" admin operation on ThesisKeyword welcome!!!").pack()

table_name = "ThesisKeyword"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
width=700, height=200)

add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)
```

```
delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_keyword(self):
    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_keyword_frame)

Label(second_frame, text=" admin operation on Keyword welcome!!1").pack()

table_name = "Keyword"

conn = pyodbc.connect('Driver={SQL Server};'
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
width=700, height=200)

add_button = Button(self.kaynak, text="Add",
command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)
```

```
def open_admin_opt_cosupervisor(self):
    self.admin_frame.pack_forget()

    second_frame = self.create_frame_with_scrollbar(self.admin_opt_cosupervisor_frame)

    Label(second_frame, text=" admin operation on CoSupervisor welcome!!!").pack()

    table_name = "CoSupervisor"

    conn = pyodbc.connect('Driver={SQL Server};'
                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'
                          'Database=SE307;')

    cur = conn.cursor()

    cur.execute("SELECT * FROM {}".format(table_name))

    records = cur.fetchall()

    col_names = [i[0] for i in cur.description]

    sheet = tksheet.Sheet(self, data=records, headers=col_names,
                          width=700, height=200)

    add_button = Button(self.kaynak, text="Add",
                        command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

    update_button = Button(self.kaynak, text="Update",
                          command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

    delete_button = Button(self.kaynak, text="Delete",
                          command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_supervisor(self):
    self.admin_frame.pack_forget()
```

```
second_frame = self.create_frame_with_scrollbar(self.admin_opt_supervisor_frame)

Label(second_frame, text=" admin operation on Supervisor welcome!!").pack()

table_name = "Supervisor"

conn = pyodbc.connect('Driver={SQL Server};"' + 
                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;' + 
                      'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
                      width=700, height=200)

add_button = Button(self.kaynak, text="Add",
                    command=self.add_row(table_name,sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
                      command=self.update_row(table_name,sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
                      command=self.delete_row(table_name,col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_author(self):
    self.admin_frame.pack_forget()

    second_frame = self.create_frame_with_scrollbar(self.admin_opt_author_frame)

    Label(second_frame, text=" admin operation on Author welcome!!").pack()

    table_name = "Author"

    conn = pyodbc.connect('Driver={SQL Server};"' +
```

```
'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))

records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tksheet.Sheet(self, data=records, headers=col_names,
width=700, height=200)

add_button = Button(self.kaynak, text="Add",
command=self.add_row("Author",sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
command=self.update_row("Author",sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
command=self.delete_row("Author",col_names[0]),highlightthickness=0).pack(pady=5)

def open_admin_opt_person(self):

    self.admin_frame.pack_forget()

second_frame = self.create_frame_with_scrollbar(self.admin_opt_person_frame)

Label(second_frame, text=" admin operation on Person welcome!!!").pack()

table_name = "Person"

conn = pyodbc.connect('Driver={SQL Server};'

'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

'Database=SE307;')

cur = conn.cursor()

cur.execute("SELECT * FROM {}".format(table_name))
```

```
records = cur.fetchall()

col_names = [i[0] for i in cur.description]

sheet = tkSheet.Sheet(self, data=records, headers=col_names,
                      width=700, height=200)

add_button = Button(self.kaynak, text="Add",
                    command=self.add_row("Person",sheet),highlightthickness=0).pack(pady=5)

update_button = Button(self.kaynak, text="Update",
                      command=self.update_row("Person",sheet),highlightthickness=0).pack(pady=5)

delete_button = Button(self.kaynak, text="Delete",
                      command=self.delete_row("Person",col_names[0]),highlightthickness=0).pack(pady=5)

def submit_thesis(self):
    # Retrieving data from the entries

    title = self.title_entry.get()

    abstract = self.abstract_entry.get()

    typee = self.type_var.get()

    subject_top = self.subject_top_var.get()

    keywords = self.keywords_entry.get()

    author = self.author_entry.get()

    year = self.year_entry.get()

    university = self.university_entry.get()

    institute = self.institute_entry.get()

    pages = self.pages_entry.get()

    language = self.language_entry.get()

    submission_date = self.submission_date_entry.get()

    supervisor = self.supervisor_entry.get()

    cosup = self.cosup_entry.get()
```

```
# Validation of the correct entries

# Title validation

if len(title) > 500:
    messagebox.showerror("Error", "Title cannot exceed 500 characters.")

    return

if len(title) == 0:
    messagebox.showerror("Error", "Title cannot be empty.")

    return


# Abstract validation

if len(abstract) > 5000:
    messagebox.showerror("Error", "Abstract cannot exceed 5000 characters.")

    return

if len(abstract) == 0:
    messagebox.showerror("Error", "Abstract cannot be empty")

    return


# Year validation

if len(year) == 0:
    messagebox.showerror("Error", "Year cannot be empty")

    return

try:
    year = int(year) # Convert the string to an integer

    if not 1000 <= year <= 9999: # Check if it's a 4-digit integer
        messagebox.showerror("Error", "Year must be a 4-digit integer")

    return
```

```
except ValueError:

    messagebox.showerror("Error", "Invalid year entered. Please enter a valid 4-digit integer.")

    return

# Author validation

if len(author) == 0:

    messagebox.showerror("Error", "Author cannot be empty")

    return

person_ids = [i for i in range(750,800)]


conn = pyodbc.connect('Driver={SQL Server};'

                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

                      'Database=SE307;')

cur = conn.cursor()

cur.execute("INSERT INTO Thesis VALUES(?,?,?,?,?)",

           (title['Title'], abstract['Abstract'], year['Year'], pages['ThesisNumOfPages'],

            submission_date['ThesisSubmissionDate'],))

if len(cosup) != 0:

    cur.execute("INSERT INTO CoSupervisor VALUES(?,?)",

               (cosup['PersonID'],cosup['CoSupervisorID'],))

    person_ids[i]+=1


cur.execute("INSERT INTO CoSupervisor VALUES(?,?)",

           (pages['ThesisNumOfPages'],submission_date,['ThesisSubmissionDate'],))

conn.commit()

cur.close()
```

```
conn.close()

messagebox.showinfo("Success", "Thesis submitted successfully!")

self.title_entry.delete(0, END)

self.abstract_entry.delete(1.0, END)

self.keywords_entry.delete(1.0, END)

self.author_entry.delete(0, END)

self.year_entry.delete(0, END)

self.university_entry.delete(0, END)

self.institute_entry.delete(0, END)

self.pages_entry.delete(0, END)

self.language_entry.delete(0, END)

self.submission_date_entry.delete(0, END)

self.supervisor_entry.delete(0, END)

self.cosup_entry.delete(0, END)

def on_type_change(self, *args): ##type change handler for type

    selected_type = self.type_var.get()

    return selected_type

def create_frame_with_scrollbar(self, container):

    container.pack(fill=BOTH, pady=10, expand=1, padx=10)

    my_canvas = Canvas(container, highlightthickness=0)

    my_canvas.pack(fill=BOTH, expand=1, side=LEFT)

    # Add a scrollbar

    scroller = ttk.Scrollbar(container, orient=VERTICAL, command=my_canvas.yview)
```

```
scroller.pack(side=RIGHT, fill=Y)

my_canvas.configure(yscrollcommand=scroller.set)

my_canvas.bind('<Configure>', lambda e:
my_canvas.configure(scrollregion=my_canvas.bbox("all")))

# Create another frame inside canvas

second_frame = Frame(my_canvas)

my_canvas.create_window((0, 0), window=second_frame, anchor="nw")

return second_frame

def perform_search(self,search_type,search_value):

    author = self.author_entry.get()

    keywords = self.keywords_entry.get()

    year = self.year_entry.get()

    search_value = search_value.lower()

    # Use the retrieved values to construct a SQL query

    sql_query = f"""

SELECT * FROM Thesis WHERE " + search_type + " LIKE '" + search_value + "%'

"""

    conn = pyodbc.connect('Driver={SQL Server};'

                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

                          'Database=SE307;')

    cursor = conn.cursor()

    cursor.execute(sql_query)

    rows = cursor.fetchall()
```

```
name_of_the_columns = [description[0] for description in cursor.description]

list_TT= list()

for thesis in cursor.fetchall():

    list_TT.append(list(thesis))

return list_TT, name_of_the_columns


def show_dataa(self, event):

    # get from the selection box.

    table_name = self.search_var.get()

    conn = pyodbc.connect('Driver={SQL Server};'

                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

                          'Database=SE307;')

    cur = conn.cursor()

    cur.execute("SELECT * FROM {}".format(table_name))

    records = cur.fetchall()

    col_names = [i[0] for i in cur.description]

    sheet = tksheet.Sheet(self, data=records, headers=col_names,

                          width=700, height=200)

    sheet.pack()


def update_row(self,name_of_the_table,sheet):

    header_names = sheet.MT.my_hdrs

    ID = header_names[0]

    del header_names[0]
```

```
# Get the values from the text boxes.

values = {}

for i in range(len(header_names)):

    values[header_names[i]] = self.update_window.grid_slaves(row=i + 1, column=1)[0].get()

conn = pyodbc.connect('Driver={SQL Server};'

                      'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

                      'Database=SE307;')

cur = conn.cursor()

cur.execute("UPDATE {} SET {} WHERE {} = {}".format(name_of_the_table,

                                                       ", ".join(["{} = '{}'".format(i, j) for i, j in

                                                       zip(header_names, values)]),

                                                       ID, values[0]))

conn.commit()

self.update_window.destroy()

self.show_records(None)

# Update success message.

messagebox.showinfo("Success", "Record updated successfully.")

return

def delete_row(self, name_of_the_table, column):

    pk = self.textbox.get()

    conn = pyodbc.connect('Driver={SQL Server};'

                          'Server=DESKTOP-GI81Q2S\SQLEXPRESS;'

                          'Database=SE307;')

    cur = conn.cursor()

    cur.execute("DELETE FROM {} WHERE {} = {}".format(name_of_the_table, column, pk))
```

```
conn.commit()

self.delete_window.destroy()

self.show_records(None)

return

def add_row(self):

    ##crashing code withoud inheritanceee

    return

root = Tk()

system = DSystem(root)

root.mainloop()
```

6.15 Data Insertion with SQL for Base.

```
USE [master]

GO

/***** Object: Database [SE307]  Script Date: 1/1/2024 7:08:32 PM *****/

CREATE DATABASE [SE307]

CONTAINMENT = NONE

ON PRIMARY

( NAME = N'SE307', FILENAME = N'C:\Users\berru\OneDrive\Masaüstü\SE307DB\SE307.mdf' , SIZE
= 73728KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )

LOG ON

( NAME = N'SE307_log', FILENAME = N'C:
\Users\berru\OneDrive\Masaüstü\SE307DB\SE307_log.ldf' , SIZE = 73728KB , MAXSIZE = 2048GB ,
FILEGROWTH = 65536KB )

WITH CATALOG_COLLATION = DATABASE_DEFAULT, LEDGER = OFF

GO

ALTER DATABASE [SE307] SET COMPATIBILITY_LEVEL = 160

GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
```

```
begin  
  
EXEC [SE307].[dbo].[sp_fulltext_database] @action = 'enable'  
  
end  
  
GO  
  
ALTER DATABASE [SE307] SET ANSI_NULL_DEFAULT OFF  
  
GO  
  
ALTER DATABASE [SE307] SET ANSI_NULLS OFF  
  
GO  
  
ALTER DATABASE [SE307] SET ANSI_PADDING OFF  
  
GO  
  
ALTER DATABASE [SE307] SET ANSI_WARNINGS OFF  
  
GO  
  
ALTER DATABASE [SE307] SET ARITHABORT OFF  
  
GO  
  
ALTER DATABASE [SE307] SET AUTO_CLOSE OFF  
  
GO  
  
ALTER DATABASE [SE307] SET AUTO_SHRINK OFF  
  
GO  
  
ALTER DATABASE [SE307] SET AUTO_UPDATE_STATISTICS ON  
  
GO  
  
ALTER DATABASE [SE307] SET CURSOR_CLOSE_ON_COMMIT OFF  
  
GO  
  
ALTER DATABASE [SE307] SET CURSOR_DEFAULT GLOBAL  
  
GO  
  
ALTER DATABASE [SE307] SET CONCAT_NULL_YIELDS_NULL OFF  
  
GO  
  
ALTER DATABASE [SE307] SET NUMERIC_ROUNDABORT OFF
```

GO

ALTER DATABASE [SE307] SET QUOTED_IDENTIFIER OFF

GO

ALTER DATABASE [SE307] SET RECURSIVE_TRIGGERS OFF

GO

ALTER DATABASE [SE307] SET DISABLE_BROKER

GO

ALTER DATABASE [SE307] SET AUTO_UPDATE_STATISTICS_ASYNC OFF

GO

ALTER DATABASE [SE307] SET DATE_CORRELATION_OPTIMIZATION OFF

GO

ALTER DATABASE [SE307] SET TRUSTWORTHY OFF

GO

ALTER DATABASE [SE307] SET ALLOW_SNAPSHOT_ISOLATION OFF

GO

ALTER DATABASE [SE307] SET PARAMETERIZATION SIMPLE

GO

ALTER DATABASE [SE307] SET READ_COMMITTED_SNAPSHOT OFF

GO

ALTER DATABASE [SE307] SET HONOR_BROKER_PRIORITY OFF

GO

ALTER DATABASE [SE307] SET RECOVERY FULL

GO

ALTER DATABASE [SE307] SET MULTI_USER

GO

ALTER DATABASE [SE307] SET PAGE_VERIFY CHECKSUM

GO

```
ALTER DATABASE [SE307] SET DB_CHAINING OFF
GO
ALTER DATABASE [SE307] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO
ALTER DATABASE [SE307] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO
ALTER DATABASE [SE307] SET DELAYED_DURABILITY = DISABLED
GO
ALTER DATABASE [SE307] SET ACCELERATED_DATABASE_RECOVERY = OFF
GO
ALTER DATABASE [SE307] SET QUERY_STORE = ON
GO
ALTER DATABASE [SE307] SET QUERY_STORE (OPERATION_MODE = READ_WRITE,
CLEANUP_POLICY = (STALE_QUERY_THRESHOLD_DAYS = 30),
DATA_FLUSH_INTERVAL_SECONDS = 900, INTERVAL_LENGTH_MINUTES = 60,
MAX_STORAGE_SIZE_MB = 1000, QUERY_CAPTURE_MODE = AUTO,
SIZE_BASED_CLEANUP_MODE = AUTO, MAX_PLANS_PER_QUERY = 200,
WAIT_STATS_CAPTURE_MODE = ON)
GO
USE [SE307]
GO
***** Object: Table [dbo].[Author]  Script Date: 1/1/2024 7:08:33 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Author](
    [PersonID] [int] NOT NULL,
    [AuthorID] [int] NOT NULL,
```

```
CONSTRAINT [PK_Author] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC,
    [AuthorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY
= OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

***** Object: Table [dbo].[CoSupervisor]  Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[CoSupervisor](
    [PersonID] [int] NOT NULL,
    [CoSupervisorID] [int] NOT NULL,
    CONSTRAINT [PK_CoSupervisor] PRIMARY KEY CLUSTERED
(
    [PersonID] ASC,
    [CoSupervisorID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY
= OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

***** Object: Table [dbo].[Institute]  Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO
```

```
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Institute](
    [InstituteID] [int] NOT NULL,
    [UniversityID] [int] NOT NULL,
    [InstituteName] [nvarchar](100) NOT NULL,
    CONSTRAINT [PK_Institute2] PRIMARY KEY CLUSTERED
(
    [InstituteID] ASC,
    [UniversityID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY
= OFF) ON [PRIMARY]
) ON [PRIMARY]

GO
***** Object: Table [dbo].[Keyword]  Script Date: 1/1/2024 7:08:33 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Keyword](
    [KeywordID] [int] NOT NULL,
    [KeywordName] [nvarchar](50) NULL,
    CONSTRAINT [PK_Keyword] PRIMARY KEY CLUSTERED
(
    [KeywordID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY
= OFF) ON [PRIMARY]
```

) ON [PRIMARY]

GO

***** Object: Table [dbo].[Language] Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Language](

[LanguageID] [int] NOT NULL,

[LanguageName] [nvarchar](50) NOT NULL,

CONSTRAINT [PK_Language] PRIMARY KEY CLUSTERED

(

[LanguageID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

***** Object: Table [dbo].[Person] Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Person](

[PersonID] [int] NOT NULL,

[PersonFirstName] [nvarchar](50) NOT NULL,

[PersonLastName] [nvarchar](50) NOT NULL,

CONSTRAINT [PK_Person2] PRIMARY KEY CLUSTERED

```
(  
    [PersonID] ASC  
  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY  
= OFF) ON [PRIMARY]  
  
) ON [PRIMARY]  
  
GO  
  
***** Object: Table [dbo].[SubjectTopic]  Script Date: 1/1/2024 7:08:33 PM *****  
  
SET ANSI_NULLS ON  
  
GO  
  
SET QUOTED_IDENTIFIER ON  
  
GO  
  
CREATE TABLE [dbo].[SubjectTopic](  
    [SubjectTopicID] [int] NOT NULL,  
    [SubjectTopicName] [nvarchar](50) NOT NULL,  
    CONSTRAINT [PK_SubjectTopic2] PRIMARY KEY CLUSTERED  
(  
    [SubjectTopicID] ASC  
  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY  
= OFF) ON [PRIMARY]  
  
) ON [PRIMARY]  
  
GO  
  
***** Object: Table [dbo].[Supervisor]  Script Date: 1/1/2024 7:08:33 PM *****  
  
SET ANSI_NULLS ON  
  
GO  
  
SET QUOTED_IDENTIFIER ON  
  
GO  
  
CREATE TABLE [dbo].[Supervisor](
```

```
[PersonID] [int] NOT NULL,  
[SupervisorID] [int] NOT NULL,  
CONSTRAINT [PK_Supervisor2] PRIMARY KEY CLUSTERED  
(  
    [PersonID] ASC,  
    [SupervisorID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY  
= OFF) ON [PRIMARY]  
) ON [PRIMARY]  
  
GO  
  
***** Object: Table [dbo].[Thesis] Script Date: 1/1/2024 7:08:33 PM *****  
  
SET ANSI_NULLS ON  
  
GO  
  
SET QUOTED_IDENTIFIER ON  
  
GO  
  
CREATE TABLE [dbo].[Thesis](  
    [ThesisID] [numeric](7, 0) NOT NULL,  
    [AuthorID] [int] NOT NULL,  
    [TypeID] [int] NOT NULL,  
    [UniversityID] [int] NOT NULL,  
    [InstituteID] [int] NOT NULL,  
    [LanguageID] [int] NOT NULL,  
    [SupervisorID] [int] NOT NULL,  
    [CoSupervisorID] [int] NULL,  
    [ThesisTitle] [nvarchar](500) NOT NULL,  
    [ThesisAbstract] [nvarchar](max) NOT NULL,  
    [ThesisYear] [numeric](4, 0) NOT NULL,
```

```
[ThesisNumOfPages] [int] NOT NULL,  
[ThesisSubmissionDate] [date] NOT NULL,  
CONSTRAINT [PK_Thesis] PRIMARY KEY CLUSTERED  
(  
    [ThesisID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY  
= OFF) ON [PRIMARY]  
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]  
GO  
***** Object: Table [dbo].[ThesisKeyword]  Script Date: 1/1/2024 7:08:33 PM *****  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[ThesisKeyword](  
    [ThesisID] [numeric](7, 0) NOT NULL,  
    [KeywordID] [int] NULL  
) ON [PRIMARY]  
GO  
***** Object: Table [dbo].[ThesisSubjectTopic]  Script Date: 1/1/2024 7:08:33 PM *****  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[ThesisSubjectTopic](  
    [ThesisID] [numeric](7, 0) NOT NULL,  
    [SubjectTopicID] [int] NOT NULL
```

) ON [PRIMARY]

GO

***** Object: Table [dbo].[Type] Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Type](

[TypeID] [int] NOT NULL,

[Name] [nchar](50) NOT NULL,

CONSTRAINT [PK_Type2] PRIMARY KEY CLUSTERED

(

[TypeID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

***** Object: Table [dbo].[University] Script Date: 1/1/2024 7:08:33 PM *****

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[University](

[UniversityID] [int] NOT NULL,

[UniversityName] [nvarchar](100) NOT NULL,

[UniversityCity] [nvarchar](30) NOT NULL,

CONSTRAINT [PK_University] PRIMARY KEY CLUSTERED

(

[UniversityID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY
= OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

INSERT [dbo].[CoSupervisor] ([PersonID], [CoSupervisorID]) VALUES (716, 600)

INSERT [dbo].[CoSupervisor] ([PersonID], [CoSupervisorID]) VALUES (721, 601)

INSERT [dbo].[CoSupervisor] ([PersonID], [CoSupervisorID]) VALUES (724, 602)

GO

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (300, 200, N'Faculty
of Medicine
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (301, 204, N'Social
Sciences
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (302, 202,
N'Graduate School of Education
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (303, 203, N'Institute
of Science and Technology
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (304, 205, N'Institute
of Education Sciences
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (305, 206, N'Social
Sciences
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (306, 207, N'Social
Sciences')

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (307, 208,
N'International Management Institute')

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (308, 201, N'Social
Sciences
)

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (309, 209, N'Faculty
of Medicine')

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (310, 210,
N'Graduate School of Education

')

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (311, 211, N'Instituto Agronómico Mediterráneo de Zaragoza')

INSERT [dbo].[Institute] ([InstituteID], [UniversityID], [InstituteName]) VALUES (312, 212, N'Institute of Fine Arts')

GO

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (800, N'Leptin')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (801, N'İskemi-reperfüzyon hasarı')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (802, N'Barsak')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (803, N'Nitrik oksit')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (804, N'Attachment behaviors')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (805, N'Attachment anxiety')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (806, N'Attachment avoidance')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (807, N'Difficulties
in emotion regulation')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (808, N'Interpersonal emotion
regulation')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (809, N'Newly married couples')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (810, N'Relationship satisfaction')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (811, N'Fransız Devrimi')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (812, N'Moda')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (813, N'Modern Batı Sanatı')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (814, N'Rönesans')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (815, N'Sanat')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (816, N'Sanayi Devrimi')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (817, N'Tekstil')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (818, N'Virtual Reality')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (819, N'Surgical Education')

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (820, N'Hand Movement')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (821, N'Feature Engineering')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (822, N'Machine Learning')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (823, N'تعز')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (824, 'مقارنة')
```

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (825, N'(رفيق'))

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (826, N'المخصص')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (827, N'زیراپی')
```

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (828, N'"الحجّة")

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (829, N'Method')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (830, N'Fremdsprachen')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (831, N'Fachliche Kennung')
```

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (832, N'Motivation der
```

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (833, N'Николай Васильев')

INSERT INTO [dbo].[KvassCommand] ([KvassCommandID], [KvassCommandName]) VALUES (824, N'проверка стакана')

INSERT INTO MIGRATION_HISTORY (ID, MIGRATION_ID, MIGRATION_TYPE, MIGRATION_STATUS, MIGRATION_DATE) VALUES (1, 1, 'Initial Migration', 'Completed', '2023-10-01');

INSERT INTO [DB].[dbo].[VALUES] ([ID], [N1], [N2], [N3], [N4], [N5], [N6], [N7], [N8], [N9], [N10]) VALUES (226, N'N', 6, null, null, null, null, null, null, null, null)

```
INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (844, N'CXCR7')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (845, N'CXCL12')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (846, N'Immünite')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (847, N'Sinema

')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (848, N'Türk Sineması

')

INSERT [dbo].[Keyword] ([KeywordID], [KeywordName]) VALUES (849, N'Seyirci

')

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Büyükbeşe', N'Sarsu')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (701, N'PROF.
DR.Bülent Hayri ', N'Özokutan')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (702, N'Tuğba
Naz', N'Ayyıldız')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (703, N'DOÇ.
DR.Gizem Erdem', N'Gürel')
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INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (704, N'Şiir', N'Önen')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (705, N'DOÇ. DR. Şenan', N'Alsan')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (706, N'Gökçen ', N'Tombu')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (707, N'PROF. DR. Nergiz', N'Çağatay')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (708, N'Oumaro', N'Diarra')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (709, N'PROF. DR. Osman', N'Alhamawi')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (710, N'Mehmet', N'Avcı')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (711, N'YRD. DOÇ. DR. Ahmet', N'Kılıç')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (712, N'Mahide Gürer', N'Baydar')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (713, N' PROF. DR. Şerife Arzu Etensel ', N'Ildem')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (714, N'Aysel ', N'Sahin')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (715, N'DOÇ. DR. Kamala', N'Karimova')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (716, N'DR. ÖĞR. ÜYESİ Damla', N'Topallı')

INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (717, N'Keskin', N'Mesut')

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INSERT [dbo].[Person] ([PersonID], [PersonFirstName], [PersonLastName]) VALUES (719, N'Sümeysra İrem', N'Duran')

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DR. Okan', N'Akacı')
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INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(761009 AS Numeric(7, 0)), 3, 1003, 202, 302, 400, 504, NULL, N'MODERN BATI SANATININ TOPLUMSAL YAPI

VE MODAYLA ETKİLEŞİMİ', N'Rönesans döneminde ortaya çıkan hümanizm akımı insanların kültürel anlamda gelişimine katkıda bulunmuş ve Modern Batı Sanatı'nın temellerini atmıştır.

19. yüzyılın ortalarından 20. yüzyılın ortalarına kadar etkinliğini sürdürden Modern Batı Sanatı, toplumla sanatın etkileşimiini anlamak açısından zengin bir tarihi süreç sunar.

Bu süreç, politik, ekonomik ve sosyo-kültürel açıdan mercek altına alındığında, Modern Batı Sanatı'nın toplumsal yapı ve modayla etkileşiminin diyalektik bir yapıda olduğu ve ciddi değişimler geçirdiği gözlemlenir. Toplumun kökten değişmesini sağlayan önemli tarihi olaylar; I. ve II. Dünya Savaşları ve Soğuk Savaş bu dönemde yer alır. Çağın en önemli entelektüel akımları olan Aydınlanma Çağı ve Romantizm dönemi sadece sanatı ve modayı etkilememekte, sanat, moda ve toplum arasındaki ilişkiyi de değiştirmektedir. Bu diyalektiğin değişim sürecinin tanımlanması ve yukarıda adı geçen üç değişik perspektiften değerlendirilmesi tezin ana kapsamını oluşturmaktadır.

Batı kültürünün etkin olduğu ülkelerdeki yaşayış biçimini anlamak ve toplumu sosyolojik olarak değerlendirebilmek için kendi dönemine damgasını vuran resimler analiz edilmiş, üç farklı başlık altında incelenmiştir. İlk olarak, dönemin tarihi oylara bakış açısını yansitan resimler, ikinci olarak saray ve burjuva kesimin kıyafetlerinin değerlendirilmesini sağlayan resimler, üçüncü olarak da halkın ruh halini yansitan resimler üzerinden ele alınmıştır. Resimleri incelerken tarihin şartları göz önünde bulundurularak neden- sonuç ilişkisi gözetilmiştir.

16.- 19. yüzyıllar arasında sanat sadece kraliyet-saray mensubu kişilerin duvarına astığı müzelik yapıtlar iken, 20. yüzyılın son çeyreğine gelindiğinde sanat artık yaşam biçimini ve ruh halini yansitan, onu biriktirmenin entelektüel bir hareket olduğu bir olguya dönüşmüştür. Sanatçılar kendi duygularını dışa vurmaktı özgürleşmiş, temel resim teknikleri dışında kendi hayal güçlerini veya bilinçaltılarını resimlerine yansıtmışlardır.

Özgürleşen sanatçı ekolü, sanat tacirleri, din adamları veya kraliyetin isteklerine bağımlı olmadıklarından, resimlerinde toplumsal olaylar ve halkın hissettiklerini çarpıcı bir şekilde yansıtırken, dönemin ruhunu anlamamızı sağlamış, tarihe ayna tutmuşlardır. Fransız Devrimi ile başlayıp, iç savaşları ve Sanayi Devrimi'ni konu alan önemli resimler dönemin politikasını ve halkın yaşadıklarını çözümlemek adına incelenmiştir. Batı uygarlığının dönemsel farklılıklarını araştırmak üzere kendi yaşadığı döneme damgasını vuran 18 ressamın 37 adet resmi üzerinden kıyafet analizi yapılmıştır. Halkın yaşadığı zorlukların tüm gerçekliğiyle çizildiği resimlerde toplum yapısını anlamak için analiz edilmiştir.

Sanayi Devriminin ortaya çıkmasıyla gazete ve dergiler sayesinde modanın yayılma hızı artmış, makineleşmenin sonucu olarak kıyafetlerin üretim süresi

xv

kısalmış ve halkın daha kolay ulaşabileceği bir hal almıştır. Sonuç olarak sanatçı yeni bir özgürlük kazanarak gelenekten arınmış, tablolarına veya kıyafetlerine kendi ruh halini yansıtabilir hale gelmiştir.', CAST(2022 AS Numeric(4, 0)), 159, CAST(N'2022-10-04' AS Date))
INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(811867 AS Numeric(7, 0)), 4, 1001, 203, 303, 401, 506, 600, N'IMPLEMENTATION OF MACHINE LEARNING METHODS TO

UNDERSTAND SURGICAL RESIDENTS" SKILL LEVELS THROUGH THEIR
HAND MOVEMENTS GENERATED BY COMPUTER-BASED SIMULATION
TRAINING ENVIRONMENTS

', N'Medical disciplines have been experiencing big challenges in its existing complex nature, parallel with the development of the new technologies. Classical approaches evolve into modern solutions in the adaptation process even some are becoming completely obsolete. The natural complications of an ordinary open surgery directed this evolution towards the term minimally invasive operations. Minimally invasive surgery (MIS), as a general term, uses or creates cavity in the body to reach the desired

body part by using necessary tools. The aim is to give less pain to the patient by keeping less incision and tissue damage. However, there are still several problems for the education programs of related surgical procedures. For instance, defining and objectively measuring the surgical skill levels is a challenging process. In this regard, first a systematic review study is conducted to better understand the surgical skill level classification approaches. Afterwards, it is aimed to classify intermediate and novice surgical skills with higher accuracy compared to the previous classification efforts using any possible hand movement-oriented data gathered through virtual reality environments in an experimental study. The results show that it is possible to improve the classification more using different data engineering techniques based on a

iv

reproducible adapted framework. It is believed that, in the future, it is possible to adapt this research study effort to any virtual environment with a proper set of tools, the applicable software engineering efforts on top of data science discernment, as well as possible innovative machine learning approximations.

', CAST(2023 AS Numeric(4, 0)), 146, CAST(N'2023-05-23' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(830037 AS Numeric(7, 0)), 1, 1002, 200, 300, 400, 500, NULL, N'BARSAK İSKEMİ-REPERFÜZYON HASARI ÜZERİNE

LEPTİNİN ETKİSİ

', N'Sok, sepsis, mezenter trombüsyü, barsak transplantasyonu ve nekrotizan enterokolit gibi çeşitli klinik durumlarda barsak iskemisi meydana gelebilir. Kan alımnının yeniden sağlanması sonrasında ise iskemi-reperfüzyon (IR) hasarı oluşur.

Barsak iskemisi ile oluşan hücre ve doku hasarı reperfüzyonla daha da artmaktadır. Reperfüzyon sırasında iskemik dokunun hızla tekrar oksijenlenmesi sonucunda serbest oksijen radikalı (SOR) meydana gelir. Bu radikaller, doku hasarına ve uzak organlarda işlev bozuklukları neden olabilir.

Leptin, yağ dokusundan salgılanan obezite geninin ürünü olan bir hormondur. Yağ dokusu dışında, gastrointestinal sistemi de dahil olmak üzere diğer dokularda leptin varlığı saptanmıştır. Birçok fizyolojik ve patolojik olayda önemli rol oynar. Leptinin, nitrik oksit (NO) üretimini uyarıcı ve antiinflamatuar etkileri vardır.

Bu çalışmada, barsakta oluşturulan IR hasarı üzerine leptinin etkisi araştırıldı.

Çalışmamız, her birinde 1 O adet rat bulunan 3 grupta gerçekleştirildi. Grup A (IR grubu), grup B (IR+leptin grubu) ve grup C (sham grubu) olarak üç grup oluşturuldu.

Ratlara intraperitoneal ketamin (50 mg/kg) anestezisi altında laparotomi yapıldı. Grup

A ve Grup B'de ince barsaklar sola alınıp superior mezenterik artere atravmatik

klemp konarak 1 saatlik iskemi uygulandı. Barsaklar iskemi süresince batın içine

yerleştirildi. Sonrasında klemp çıkarılarak reperfüzyon sağlandı. Sham grubuna,

II

sadece laparotomi yapıldı. Grup B'ye reperfüzyondan 30 dk öncesinde 100 µg/kg

dozunda leptin subkütan olarak verildi. Grup A ve sham grubuna subkütan olarak 0.1

mi % 0.9 NaCl enjekte edildi. 4 saatlik reperfüzyondan sonra serum malondialdehid

(MDA) ve NO düzeylerine bakılmak üzere 3 ml kan alındı. Terminal ileumun bir

kısımında MDA ve NO bakılırken, bir kısmı histopatolojik inceleme için ayrıldı.

Sonuçlar istatistiksel olarak karşılaştırıldı.

Sham grubu, grup A ile karşılaştırıldığında serum ve doku MDA düzeyleri daha

düşükken, NO düzeyleri daha yüksek bulundu ($p<0.05$). Sham grubunda

histopatolojik hasarın da daha az olduğu görüldü. Grup B, grup A ile

karşılaştırıldığında serum ve dokuda bakılan MDA düzeyleri daha düşük ($p<0.05$);

NO düzeyleri daha yüksek bulundu ($p<0.05$). Bu grupta histopatolojik hasarın da

Grup A'ya göre daha az olduğu görüldü.

Sonuç olarak; leptin, NO salımını artırarak barsaktaki IR hasarını azaltır.', CAST(2006 AS Numeric(4, 0)), 77, CAST(N'2006-12-25' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages],

[ThesisSubmissionDate]) VALUES (CAST(832607 AS Numeric(7, 0)), 2, 1000, 201, 308, 401, 502, NULL, N'UNDERSTANDING ATTACHMENT BEHAVIORS AND RELATIONSHIP SATISFACTION AMONG TURKISH NEWLY MARRIED ADULTS: THE ROLES OF INTRINSIC INTERPERSONAL EMOTION REGULATION AND DIFFICULTIES IN EMOTION REGULATION', N'The transition to marriage is an important life event and a stressor for romantic couples.

During the first years of marriage, it is crucial that spouses can regulate their own difficult emotions and those of their partner and be able to approach their partner in times of need for relationship satisfaction and maintenance. This emotional dynamic is closely linked to individuals' attachment orientations, mainly attachment anxiety and avoidance. The current study investigated the relationship between attachment, intrinsic interpersonal emotion regulation (ER), difficulties in ER, and relationship outcomes (relationship satisfaction and attachment behaviors). A cross-sectional design was used with a sample of 376 Turkish newlyweds who were married for one to five years (68.6 % female; Agemean = 30, AgeSD = 3.59). Structural Equation Modeling analysis showed that attachment anxiety was positively associated with difficulties in ER (.42, p < .001) and intrinsic interpersonal ER (.33, p < .001), and negatively associated with relationship satisfaction (-.13, p < .01), but not attachment behaviors. In addition, attachment avoidance was negatively associated with relationship satisfaction (-.73, p < .001), attachment behaviors (-.75, p < .001), and positively associated with difficulties in ER (.18, p = .001). Neither type of ER mediated the relationship between attachment orientations and relationship outcomes. The findings illustrate that high levels of attachment anxiety and avoidance are linked to difficulties in emotion regulation and lower relationship satisfaction. However, their associations differ for intrinsic interpersonal emotion regulation and attachment behaviors. There is a need for further research on intrinsic interpersonal emotional regulation and attachment behaviors in the Turkish context.', CAST(2023 AS Numeric(4, 0)), 84, CAST(N'2023-11-08' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(835702 AS Numeric(7, 0)), 5, 1000, 204, 301, 402, 508, NULL, N'ملخص البحث', 'نماذج القياس مع مصادر الشريعة المختلفة فيها: دراسة أصولية تطبيقية', 'تعرّضتُ بـ هذا البحث ببسالة تعرّض القياس مع مصادر الشريعة المختلفة فيو، وقد

تناقلت فيه تعريف التعارض لغة كاصطالحا مع بياف أقسامه كشركته، كما يقصد بالتعارض عند

بيان قواعد البحرين، بـ تكلمت عن القياس كأبجية العمل بو كتعريف لغة كاصطلاحا مع توضيح

أركانو كشر كطوطفو كالفرع، بـ القياس الصحيح كالفاسد، كـ إبراد بالقناس ١١ بـ كـ غـ نـ يـ، بـ فـ صـ لـ

القوى بحبة القياس كالرعد على منكريو مع ضرب الدلة، باردفت القوى بل القياس دليل

مستقل أ. فعل احتماته مع ذكر أقواعه، كذكرت كفوع التعارض بـ مصادر

الشريعة اختلف فيها، كتعارض القالب مع عمل أهل المدينة، كالعزم، كسد الذرع، كشرع

من قيلنا، كمذب الصحابي، علماء أهل التعارض، الباقيون دليل واحد فحسب، بل نسب عموماً.

الدللة, بـ ختمت يذكر مذب الصحابيُّ اللغة كالصطلح، كتعريف عند الصولَبِين

كما؟ دُثُب كالفرن بِب التعريف، مع بياف برير لِب النزاع بِذنب الصحايب، كحجية مذاب

العلماء فيو، كرأيت أَفَبعض اَبصطلحات تكوف ذات صلة بذب الصحابي فتناكلتها، كقوى

الصحابي كعب بن مالك روى أن النبي صلى الله عليه وسلم قال: «إن أبا قحافة كان يُؤتى بهم في العذاب أشد مما يُؤتى بهم في الدنيا».

'. اختال كـ الفقهاء بـ مسألة تعارض القياس مع مندب الصحایب بـ أبواب متفرقة CAST(2023 AS Numeric(4, 0)), 174, CAST(N'2023-06-04' AS Date))

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[ThesisSubmissionDate]) VALUES (CAST(850489 AS Numeric(7, 0)), 6, 1000, 205, 304, 403, 510,  
NULL, N'WIRKUNG DER AUSBILDUNG DER DEUTSCHEN SPRACHE UND DER
```

METHODOLOGIE-KENNTNISSE DER LEHRERKANDIDATEN IN GYMNASIEN', N'AVCI,Mehmet: Magisterarbeit über die Einwirkung der Ausbildung der deutschen Sprache

und der Methodologie-Kenntnisse der Lehrerkandidaten auf die Gymnasiasten in wissenschaft

-lichen Gymnasien in Diyarbakır, 2016

Sprache ist in heutigen Zeit und auf der heutigen Welt sowohl ein Kommunikationsmittel als auch spielt eine grosse Rolle beim Handel. Einerseits bleiben die Menschen in der gleichen

Gesellschaft im Kontakt, indem sie die gleiche Sprache sprechen; andererseits ist diesen

Menschen durch das Lernen einer Fremdsprache möglich, eine andere Kultur zu

kennen, Informationen auszutauschen und zu handeln. Auf unserer heutigen Welt, die sich sehr

stark entwickelt und verändert, braucht man mit anderen Kulturen im Kontakt zu bleiben. Anders

gesagt,wir müssen Fremdsprachen lernen,um Informationen,Entwicklungen austauschen,um

die ökonomischen Beziehungen weiterführen und unsere Gedanken und Meinungen bei Anderen tragen zu können.

Den Zeitalter, indem wir schon leben, nennt man Info-Zeit. Alle Personen und Gesellschaften müssen ihr Möglichstes tun, um diese Infos zu erreichen. Auf der heutigen durch Globalisierung verkleinerten Welt ist die Kommunikation unter den verschiedenen Kulturen mehr wichtiger. Diese Kommunikation kann man sowohl in visuellen Medien als auch im Internet in die Tat umsetzen.

Heutzutage wird Englisch fast auf aller Welt als die Weltsprache gesprochen. Diesbezüglich wird Englisch auch in unserem Land als erste Fremdsprache unterrichtet. Das ist ein Thema, daran man seit langem stark konzentriert arbeitet. Andererseits wird das Deutsch, das die offizielle Sprache von Deutschland, Österreich und der Schweiz ist; das eine wichtige Rolle zur Verständigung der Kunst und der Wissenschaft in Europa spielt; das in Europa viele Chancen und Gelegenheiten den Menschen, die diese Sprache gelernt haben, anbietet; in der letzten Zeit in den Anadolu und naturwissenschaftlichen Gymnasien als zweite Fremdsprache unterrichtet.

Wegen der Globalisierung muss man mit der Zeit laufen, zeitgenössisch werden, die technologischen, ökonomischen und kulturellen Entwicklungen ins Heimatland tragen. Man braucht deswegen die gutausgebildeten Lehrkräften im Bereich der Fremdsprachen.

viii

Als ein Deutschlehrer, der seit 2008 Deutsch unterrichtet, hatte ich Gelegenheit, es zu merken, dass unsere Schüler nicht das erwünschte Ziel erreichen konnten, obwohl sie Bescheid über die obengenannten Punkten haben. Ich werde hier in dieser Arbeit versuchen, dieses Thema zweifellos zu betrachten. Der erste Fuß besteht aus Kenntnissen und den Erfahrungen der 61 Studenten an der Dicle Universität im Bereich "Deutsch-Lehren". Deswegen wurde unter den Studenten der Dicle Universität, die gleich im achten Semester vor dem Abschluss sind, eine Meinungsumfrage gehalten. Mithilfe dieser Umfrage wird erzielt, eine Auffassung über die Studenten zu bilden. Der zweite Fuß besteht daraus, dass die Lernverfahren und die Motivation

an Deutsch als Fremdsprache der Schüler festzustellen, ohnedass das Schulsystem in der Türkei detailliert untersucht wird. Deswegen wurde eine Meinungsfrage unter den 194 fleissigsten Schülern in unserer Stadt, die nach einer zentralen Prüfung vom Erziehungsministerium Vali Aydin Arslan Fen Lisesi und Rekabet Kurumu Cumhuriyet Fen Lisesi besuchen dürfen, gehalten. Die Angaben der beiden Umfragen sind in ein Excell-2010 Programm eingetragen und dann analysiert. Zur Analysierung wurde das Programm IBM SPSS Statistics 64 bit Version 22.0.0.0 verwendet.', CAST(2016 AS Numeric(4, 0)), 122, CAST(N'2016-07-15' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(880458 AS Numeric(7, 0)), 7, 1001, 206, 305, 404, 512, NULL, N'LA FEMME, LA MALADIE ET LA MORT DANS

LA LITTERATURE FRANÇAISE DU XIXe SIÈCLE', N'Dans cette étude, nous avons examiné les souffrances physiques et

morales des héroïnes en nous basant sur les œuvres Le Lys dans la Vallée d'Honoré de Balzac, La Dame aux Camélias d'Alexandre Dumas Fils, Madame Bovary de Gustave Flaubert, et Nana d'Emile Zola.

Dans la première partie, nous avons abordé la femme mariée; l'une fidèle (madame de Mortsau), l'autre infidèle (Emma Bovary). Nous avons insisté sur leur jeunesse et leur beauté avant la maladie. Nous avons détaillé la fatalité de l'amour et les désillusions des héroïnes, qui les mènent au suicide.

Puis nous avons fait une mise en scène de leur mort.

Dans la deuxième partie, nous avons étudié la femme courtisane (Marguerite Gautier) et la femme prostituée (Nana). Après avoir détaillé leur beauté corporelle, nous avons parlé de leur maladie et de leurs souffrances.

Nous avons par la suite abordée la mise en scène de la mort et les images de décomposition du corps.

Finalement la mort est inévitable pour toutes les femmes, que ce soit une femme mariée, fidèle ou infidèle ou une femme courtisane ou prostituée. La

force de leur passion et de leur amour, leur désillusion et leur vie de débauche

les mènent à une fin mortelle par le biais de la maladie.', CAST(2017 AS Numeric(4, 0)), 150,
CAST(N'2017-09-22' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID],
[SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages],
[ThesisSubmissionDate]) VALUES (CAST(901508 AS Numeric(7, 0)), 8, 1000, 207, 306, 405, 514,
NULL, N'Характеристика описания интерьера в поэме Н.В. Гоголя «Мёртвые души」,
N'МАГИСТЕРСКАЯ РАБОТА

Характеристика описания интерьера в поэме Н.В. Гоголя «Мёртвые

души»

АЙСЕЛЬ ШАХИН

2020, Страница: 64 + viii

НАУЧНЫЙ РУКОВОДИТЕЛЬ:

Д.Ф.Н., доц. КЯМАЛЯ КЕРИМОВА

ЖЮРИ: Д.Ф.Н., доц. ТАМИЛЛА АЛИЕВА

д.п.н. ОЛЬГА ШЕРЕМЕТ

Имя Николая Васильевича Гоголя встречается при исследовании

направления реализма и писателей, затронутых этим направлением в русской

литературе. В произведении Николая Васильевича Гоголя «Мёртвые души»

примечательны особенности интерьера. В связи с рассматриваемыми

социальными и идеологическими событиями, начиная с 1820-х годов, течение

романтизма начало терять своё влияние в русской литературе и возникло

направление реализма. В этом контексте в гоголевских «Мёртвых душах» были

отобраны и сравнительно проанализированы характеристики интерьера и

внутреннего мира героев произведения.

', CAST(2021 AS Numeric(4, 0)), 73, CAST(N'2021-08-05' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID],
[SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages],
[ThesisSubmissionDate]) VALUES (CAST(920487 AS Numeric(7, 0)), 9, 1001, 208, 307, 406, 516,

NULL, N'基于汉语国际教育的汉土语序类型研究', N'ଓବ୍ୟାକିରଣ 'ଲୋ'ପତ୍ର ହାତୁଁକୁଣ୍ଡଳେ ଦେଖିବାକୁ ପାଇଁ ଏହାକିମାନ ହାତୁଁକୁଣ୍ଡଳେ ଦେଖିବାକୁ ପାଇଁ

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徐¹，箇²，𦨇³。𦨇⁴，跔⁵。·𦨇⁶，DŽ⁷，𦨇⁸。𦨇⁹，𦨇¹⁰，E¹¹，E¹²。·𦨇¹³？

—г. ? Կ Պ Ա Ր Ա Ր Ո Ւ Յ Ա Խ Ա Ն Ե Ր Ա Ր Ո Ւ Յ Ա Խ Ա Ն Ե Ր

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イ。。Øトト'ン解驅○喀解驅' トト'ンイ。トト'ン叉埠<又^トン^トコ^ト。<八^ト憧憬

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EQUATIONS

↔�'ए लिएगा। यह एक संस्कृतीय शब्द है जो 'प्राचीन' का अर्थ है।

पुरावेशी = पुरावेशी वर्षां में उत्तराधिकारी के लिए एक वर्ष।

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पुरावेशी = पुरावेशी वर्षां में उत्तराधिकारी के लिए एक वर्ष।

पुरावेशी = पुरावेशी वर्षां में उत्तराधिकारी के लिए एक वर्ष।

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(930482 AS Numeric(7, 0)), 10, 1002, 209, 309, 400, 518, 601, N'NEFROTİK SENDROM HASTALARINDA SERUM LİPID

DEĞERLERİNİN HASTALIĞIN PROGNOZU İLE İLİŞKİSİ

', N'Giriş: Nefrotik sendrom, glomerüler filtrasyon bariyerindeki hasarlanmaya bağlı

olarak idrardan yoğun miktarda protein atılımı ile karakterize çocukluk döneminde sık görülen bir hastalıktır. Çalışmamızda, kliniğimizde 2015-2022 yılları arasında nefrotik

sendrom tanısı ile takip edilen hastaların tanı ve atak dönemlerinde ortaya çıkan serum lipid yüksekliğinin hastalığın prognozu ve hastalığın klinik seyri ile ilişkisini gözler önüne sermeyi amaçladık.

Gereç ve Yöntem: Çalışmamızda; Sağlık Bilimleri Üniversitesi Bursa Yüksek İhtisas Eğitim Araştırma Hastanesi Çocuk Nefroloji Kliniği’nde 2015-2022 tarihleri arasında nefrotik sendrom tanısı ile takip edilen ve 0-18 yaş aralığındaki 75 hasta yer aldı.

Hastaların tamamının kapsamlı laboratuvar verileri, tedavileri ve demografik özelliklerine hastane veri tabanından ulaşarak retrospektif olarak incelendi. Tüm hastalarımızı steroid cevabına göre steroide duyarlı (Grup1) ve steroide dirençli (Grup2) olmak üzere 2 ana gruba ayırdık. Steroide duyarlı grubu ise sık relaps olmayan ve sık relaps olan olarak yine 2 gruba ayırdık. Çalışmamızda elde ettiğimiz verileri hasta gruplarımız arasında karşılaştırmalı olarak inceledik.

Bulgular: Çalışmamızda yer alan 75 hastamızın 48'i erkek (%64), 27'si kız (%36) cinsiyettir. Hastalarımızın tanı anındaki yaş ortalamaları $4,56 \pm 2,66$ olarak bulundu.

Hastalarımızı; steroid cevabına göre duyarlı olması üzerine grup 1 55 hasta (%73,3) ve dirençli olmasına göre grup 2 20 hasta (%26,7) olarak 2 gruba ayırdık. Steroid cevabına göre cinsiyet dağılımına bakıldığından; erkeklerin %35'i steroid dirençliyken kızların %11'inde steroid direnci saptandı. Steroid duyarlı gruptaki tanı yaşı ortalaması $4,63 \pm 2,65$, steroid dirençli gruptaki tanı yaşı ortalaması $4,38 \pm 2,73$ bulundu.

İstatistiksel açıdan anlamlı değildi ($p=0,609$). Tüm hastaların grup gözetmeksizin ilk atak anındaki laboratuvar parametrelerinin ortalama ve medyan değerleri belirtildi. Bu veriler grup1 ve grup 2 arasında karşılaştırıldı. Tanı anındaki serum albümin, kreatinin, total protein, trombosit, 24 saatlik idrarda proteinürü, sedimentasyon, lipid parametreleri ve lipid profili/albümin oranları değerlendirildiğinde gruplar arasında anlamlı fark görülmemiştir ($p >0,05$). Steroide duyarlı grupta yer alan 55 hastamızın 36'sında (%65,5) sık relapsa rastlanmazken 19 'unda (%34,5) sık relaps izlendi. Sık relaps olmayan ve sık relaps olan gruplar laboratuvar parametreleri açısından

karşılaştırıldığında ortalama trombosit sayısının sık relaps görülen grupta anlamlı derecede yüksek olduğunu saptadık ($p=0,0043$). Relapsın sık olduğu grupta albümين düşük, total kolesterol ve LDL yüksek olsa da gruplar arasında istatiksel açıdan anlamlı farklılık bulunmadı. Hastalarımızın tamamının tanı anındaki total kolesterol, trigliserid, LDL, VLDL, sedimentasyon, kreatinin ve trombosit değerlerinin; tanı anındaki serum albümén ile karşılaştırılması sonucunda negatif yönde korelasyon ile beraber istatiksel olarak anlamlı bulundu ($p<0,05$). Hastalar hem grup gözetmeksizin hem de gruplar kendi içerisinde olacak şekilde ilk atak ve remisyon dönemlerindeki lipid profilleri açısından karşılaştırıldı. Steroid duyarlı grupta; total kolesterol, trigliserid ve LDL atak döneminde remisyona göre anlamlı derecede yüksek bulundu ($p<0,05$). Steroid dirençli grupta ise; total kolesterol, trigliserid, LDL ve VLDL atak döneminde remisyona göre anlamlı derecede yüksek bulundu ($p<0,05$).

Sonuç: Çalışmamız sonucunda sahip olduğumuz verilerden harekete; tanı anındaki albüménin steroide dirençli grupta daha düşük olduğu ve total kolesterol, LDL, trigliseridin ise daha yüksek olduğu saptadık. Tüm gruptarda lipid parametrelerini, remisyon döneminde atak dönemine kıyasla anlamlı derecede düşük saptadık.', CAST(2023 AS Numeric(4, 0)), 82, CAST(N'2023-07-08' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(1080845 AS Numeric(7, 0)), 11, 1001, 210, 310, 400, 520, 602, N'SERÖZ PAPİLLER OVER TÜMÖRLERİNDE CXCR4

YOLAĞININ İMMÜN YANITLA İLİŞKİSİNİN ARAŞTIRILMASI

', N'Genel bilgiler: Seröz papiller epitelyal over kanseri (EOK), tümöre yönelik immün verilen yanıta göre aktive ya da inhibe olarak iki gruba ayrılabilir. İmmün yanıt aktive (TIL pozitif) olan hastalarda daha uzun hastalıksız ve genel sağ kalım gösterilmiştir. Kemokin reseptörü CXCR4 ve bunun ligandı olan CXCL12 (SDF-1), kanser kemotaksi, progresyon ve metastaz açısından etkili olabilir. CXCL12'nin tümör yatağında bulunması, immün baskılıyıcı CXCR4+ Treg ve plazmasitoid

dendritik hücrelerin (pDC) tümör çoğaltıcı etkisini arttırmır. EOK, TIL pozitif ve negatif olarak sınıflandırılmış ve bu iki grupta CXCL1-CXCR4-CXCR7 kemokin yolağının ilişkisi ve sağkalıma etkisi araştırılmıştır.

Materyal ve Metod: Tez çalışması retrospektif olarak Ondokuz Mayıs Üniversitesi'nde son 10 yılda opere edilmiş 86 hastanın patolojik spesimenleri ve hasta dosya kullanılarak Patoloji Anabilim Dalı ve Tıbbi Biyoloji Anabilim Dalı'nda gerçekleştirılmıştır. İmmün alt grupta ve immün olmayan alt gruptaki CXCL12 ekspresyonu ve immünohistokimyasal (İHK) CXCR4-CXCR7 reseptör pozitivitesi asosiasyonu için Pearson korelasyon ve lojistik regresyon analizi kullanılmıştır. Gruplar arasındaki sağkalım farkı Kaplan-Meier ve log rank metodu ile karşılaştırılmıştır. $P < 0,05$ olması istatistiksel olarak anlamlı kabul edilmiştir.

Bulgular: Ortalama progresyonsuz sağkalım süresi 30,3 ay (1-137, standart sapma: 39,6) ve ortalama genel sağkalım süresi de 56,2 aydır (1,9-194 standart sapma: 39,6). Tümörde CXCR7'nin kuvvetli ifade edilmesi, TIL sayısını azaltmaktadır [$P < 0,01$ binary logistic regression, OR:0,17 (0,05-0,56) %95 CI]. Tümörde CXCR4'ün kuvvetli ifade edilmesi (İHK), CD8+ lenfosit sayısını azaltmaktadır [$P < 0,05$ binary logistic regression, OR:0,033 (0,02-0,66) %95 CI]. Hastalıksız ve genel sağkalım, CXCL12 kat değişim değerinin 0,4 ve üzerinde olması ya da altında olması durumunda değişmemektedir (log-rank test).

Sonuç: EOK'de CXCL12 ifadesi bağımsız bir prognostik faktör değildir. Tümörde kemokin reseptörleri CXCR7 ve CXCR4'ün yoğun olarak bulunması, tümöre T lenfosit girişini serbest ligand azlığı nedeni ile azaltmaktadır. CXCL12'nin belirli bir eşliğin üstünde ifadesi, TIL sayısını artırmaktır ve bu ilişkiyi CXCR7 ya da CXCR4 ifadesi değiştirmemektedir. Neo-adjuvan kemoterapi CD8+ T lenfosit sayısını, CXCL12 ifadesini değiştirmeden artırmaktadır. Mevcut çalışma ışığında, CXCL12 ifadesi düşük olan hastalarda CXCR7 blokajının, tümörün immün profilini

değiştirmede PD-1/PDL-1 antagonistleri ile beraber kullanılması düşünülebilir.', CAST(2023 AS Numeric(4, 0)), 61, CAST(N'2023-06-22' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(1157957 AS Numeric(7, 0)), 12, 1000, 211, 311, 407, 522, NULL, N'Efecto de la Artemia Enriquecida con distintas Emulsiones Comerciales Sobre el crecimiento y desarrollo esquelético de larvas del lenguado senegalés (*Solea senegalensis* kaup, 1858)', N'Las malformaciones esqueléticas y problemas pigmentarios son uno de los mayores

problemas de la producción intensiva de juveniles de peces marinos en el sector de la acuicultura, al reducir la calidad del ejemplar, pues afectan su morfología, apariencia externa, crecimiento, y supervivencia. Tales problemas en el desarrollo representan una importante pérdida económica para el acuicultor y una reducción considerable en la imagen de calidad del producto final si éste es comercializado. Las deformidades esqueléticas y problemas de despigmentación pueden ser causados por varios motivos, pero la causa nutricional es una de las más importantes. A pesar de la gran importancia económica que este problema representa para el acuicultor, se ha prestado poca atención a los mecanismos que controlan dichos procesos y a su regulación nutricional. En este sentido, diversos estudios han demostrado que existe una marcada relación entre la nutrición de la larva durante el periodo comprendido entre el inicio de la alimentación exógena y de la metamorfosis con la aparición de malformaciones esqueléticas y problemas de mala pigmentación en ejemplares juveniles de teleósteos marinos. Así, diversos autores han demostrado el efecto de determinados nutrientes (ácido retinoico, vitamina D, ácidos grasos poliinsaturados, hidrolizados de proteína, etc.) sobre la diferenciación y desarrollo del eje antero-posterior de la larva, y la aparición de deformaciones esqueléticas y problemas pigmentarios.

El objetivo del presente trabajo fue determinar el efecto de distintos niveles de ácido eicosapentaenoico (EPA) y docosahexaenoico (DHA) sobre el desarrollo temprano de larvas de lenguado, y en especial su efecto sobre el crecimiento, tasa de metamorfosis, supervivencia e incidencia de deformaciones esqueléticas. Al final de experimento, día 38, se observaron diferencias significativas en la frecuencia de

individuos con deformaciones esqueléticas, aumentando esta frecuencia, gradual y

Resumen

- 11 -

significativamente, efecto de la artemia enriquecida con distintas emulsiones

comerciales sobre el crecimiento y desarrollo esquelético de larvas del lenguado

senegalés (*solea senegalensis kaup, 1858*) .

Efecto de la artemia enriquecida con distintas emulsiones comerciales sobre el

crecimiento en peso, al estado de desarrollo del aparato digestivo, y al proceso de

metamorfosis, si bien tienen un marcado efecto sobre la incidencia y severidad de

distintas deformaciones esqueléticas que se han detectado. A partir del análisis

ponderado de los distintos parámetros analizados en el presente estudio es

recomendable alimentar las larvas de lenguado con Artemia enriquecida con

AquaGrow Gold (Advanced BioNutrition), desaconsejándose enriquecedores del tipo

Easy Selco (INVE) o similares.', CAST(2010 AS Numeric(4, 0)), 175, CAST(N'2010-06-10' AS Date))

INSERT [dbo].[Thesis] ([ThesisID], [AuthorID], [TypeID], [UniversityID], [InstituteID], [LanguageID], [SupervisorID], [CoSupervisorID], [ThesisTitle], [ThesisAbstract], [ThesisYear], [ThesisNumOfPages], [ThesisSubmissionDate]) VALUES (CAST(1280594 AS Numeric(7, 0)), 13, 1003, 212, 312, 400, 524, NULL, N'Türk sineması-seyirci ilişkisi', N'Türk sinemasının 2000'li yıllarda gösterdiği gelişme, pek çok kişi tarafından

oldukça olumlu görülmektedir. Oysa ki günümüz Türk sineması detaylı olarak

incelediğinde sektörde çok dengesiz bir yapı olduğu görülmektedir. Çok fazla

izlenen birkaç filmin yanında, neredeyse hiç izlenmeyen pek çok film bulunmaktadır.

Türk sinemasının 1960-1975 yılları arasındaki yapısı ile günümüzdeki yapı

karşılaştırıldığında aradaki fark açıkça ortaya çıkmaktadır.

Türk sineması 1960-1975 yılları arasında kendine özgü bir üretim sistemi

oluşturmuş ve bu sayede tüm Türk halkı tarafından büyük ilgi görmüştür. Bu sistem

yıllar içinde bozulunca sinemamızda büyük bir düşüş yaşanmış ve 1990'lı yılların

başında sinema sektörü yok olma noktasına kadar gelmiştir. Günümüz sineması, o

dönemki durumla kıyaslandığında elbette ki daha iyi durumdadır ancak bugünkü

verileri rekor olarak değerlendirmek ve sinemamızın çok iyi bir durumda olduğunu söylemek oldukça yanlıştır.

Sinemamızın yıllar içinde geçirdiği değişim, toplumumuzun kültürel değişimiyle doğru orantılıdır. Şüphesiz ki bir toplumun ortak kültürü bir anda değişmez. Kültürel değişim, farklı etkenlerin bir araya gelmesi sonucu, uzun yıllar içinde, yavaşça gerçekleşir. Bir toplumun kültürünün bozulması, o toplumun yaşayışını, dilini, gelenek-göreneklerini, dinini, doğasını ve bilimini etkilediği kadar sanatını da etkilemektedir. Türk sineması da toplumdaki kültürel bozulmanın doğrudan etkilediği alanlardan biridir. ', CAST(2016 AS Numeric(4, 0)), 169, CAST(N'2016-06-16' AS Date))

GO

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(930482 AS Numeric(7, 0)), 837)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(811867 AS Numeric(7, 0)), 819)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(811867 AS Numeric(7, 0)), 820)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(811867 AS Numeric(7, 0)), 821)
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```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(811867 AS Numeric(7, 0)), 822)
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```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 823)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 824)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 825)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 826)
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```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 827)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(835702 AS Numeric(7, 0)), 828)
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INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(930482 AS Numeric(7, 0)), 838)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(930482 AS Numeric(7, 0)), 839)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(930482 AS Numeric(7, 0)), 840)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(930482 AS Numeric(7, 0)), 836)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(901508 AS Numeric(7, 0)), 833)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(901508 AS Numeric(7, 0)), 834)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(901508 AS Numeric(7, 0)), 835)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(850489 AS Numeric(7, 0)), 830)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(850489 AS Numeric(7, 0)), 831)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(850489 AS Numeric(7, 0)), 832)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1280594 AS Numeric(7, 0)), 847)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1280594 AS Numeric(7, 0)), 848)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1280594 AS Numeric(7, 0)), 849)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1280594 AS Numeric(7, 0)), 850)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1280594 AS Numeric(7, 0)), 851)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(811867 AS Numeric(7, 0)), 818)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(830037 AS Numeric(7, 0)), 803)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(850489 AS Numeric(7, 0)), 829)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1157957 AS Numeric(7, 0)), NULL)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(830037 AS Numeric(7, 0)), 800)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(920487 AS Numeric(7, 0)), NULL)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(830037 AS Numeric(7, 0)), 802)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 811)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 812)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 813)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 814)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 815)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 816)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(761009 AS Numeric(7, 0)), 817)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 805)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 806)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 807)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 808)

INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 809)

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(832607 AS Numeric(7, 0)), 810)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 841)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 842)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 843)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 844)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 845)
```

```
INSERT [dbo].[ThesisKeyword] ([ThesisID], [KeywordID]) VALUES (CAST(1080845 AS Numeric(7, 0)), 846)
```

```
GO
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(830037 AS Numeric(7, 0)), 900)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(832607 AS Numeric(7, 0)), 901)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(761009 AS Numeric(7, 0)), 902)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(761009 AS Numeric(7, 0)), 903)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(761009 AS Numeric(7, 0)), 904)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(850489 AS Numeric(7, 0)), 906)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(901508 AS Numeric(7, 0)), 907)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(811867 AS Numeric(7, 0)), 909)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(920487 AS Numeric(7, 0)), 910)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(930482 AS Numeric(7, 0)), 911)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(1157957 AS  
Numeric(7, 0)), 913)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(1280594 AS  
Numeric(7, 0)), 914)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(1280594 AS  
Numeric(7, 0)), 915)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(835702 AS  
Numeric(7, 0)), 905)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(880458 AS  
Numeric(7, 0)), 907)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(880458 AS  
Numeric(7, 0)), 908)
```

```
INSERT [dbo].[ThesisSubjectTopic] ([ThesisID], [SubjectTopicID]) VALUES (CAST(1080845 AS  
Numeric(7, 0)), 912)
```

GO

```
INSERT [dbo].[Type] ([TypeID], [Name]) VALUES (1000, N'Master')
```

```
INSERT [dbo].[Type] ([TypeID], [Name]) VALUES (1001, N'Doctorate')
```

```
INSERT [dbo].[Type] ([TypeID], [Name]) VALUES (1002, N'Specialization in Medicine')
```

```
INSERT [dbo].[Type] ([TypeID], [Name]) VALUES (1003, N'Proficiency in Art')
```

GO

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (200,  
N'Gaziantep Üniversitesi', N'Gaziantep')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (201, N'Koç  
Üniversitesi', N'İstanbul')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (202,  
N'Haliç Üniversitesi', N'İstanbul')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (203,  
N'Atılım Üniversitesi', N'İstanbul')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (204,  
N'İstanbul Üniversitesi', N'İstanbul')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (205,  
N'Dicle Üniversitesi', N'Diyarbakır')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (206,  
N'Ankara Üniversitesi', N'Ankara')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (207, N'Ağrı  
İbrahim Çeçen Üniversitesi', N'Ağrı')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (208,  
N'Shanghai International Studies University {Shanghai Municipality 上海市}', N'Shanghai ')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (209,  
N'Sağlık Bilimleri Üniversitesi', N'Bursa')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (210,  
N'Ondokuz Mayıs Üniversitesi', N'Samsun')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (211,  
N'Universidad Zaragoza', N'Zaragoza')
```

```
INSERT [dbo].[University] ([UniversityID], [UniversityName], [UniversityCity]) VALUES (212,  
N'Mimar Sinan Güzel Sanatlar Üniversitesi ', N'İstanbul')
```

GO

```
***** Object: Index [IX_Author] Script Date: 1/1/2024 7:08:33 PM *****
```

```
ALTER TABLE [dbo].[Author] ADD CONSTRAINT [IX_Author] UNIQUE NONCLUSTERED
```

(

```
[AuthorID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,  
IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS  
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

GO

```
***** Object: Index [IX_CoSupervisor] Script Date: 1/1/2024 7:08:33 PM *****
```

```
ALTER TABLE [dbo].[CoSupervisor] ADD CONSTRAINT [IX_CoSupervisor] UNIQUE  
NONCLUSTERED
```

(

```
[CoSupervisorID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF,  
IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS  
= ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

GO

***** Object: Index [IX_Institute] Script Date: 1/1/2024 7:08:33 PM *****

ALTER TABLE [dbo].[Institute] ADD CONSTRAINT [IX_Institute] UNIQUE NONCLUSTERED

(

[InstituteID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

GO

***** Object: Index [IX_Supervisor] Script Date: 1/1/2024 7:08:33 PM *****

ALTER TABLE [dbo].[Supervisor] ADD CONSTRAINT [IX_Supervisor] UNIQUE NONCLUSTERED

(

[SupervisorID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

GO

***** Object: Index [IX_Thesis] Script Date: 1/1/2024 7:08:33 PM *****

ALTER TABLE [dbo].[Thesis] ADD CONSTRAINT [IX_Thesis] UNIQUE NONCLUSTERED

(

[InstituteID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Author] WITH CHECK ADD CONSTRAINT [FK_Author_Person] FOREIGN KEY([PersonID])

REFERENCES [dbo].[Person] ([PersonID])

GO

ALTER TABLE [dbo].[Author] CHECK CONSTRAINT [FK_Author_Person]

GO

```
ALTER TABLE [dbo].[CoSupervisor] WITH CHECK ADD CONSTRAINT  
[FK_CoSupervisor_Person] FOREIGN KEY([PersonID])
```

```
REFERENCES [dbo].[Person] ([PersonID])
```

```
GO
```

```
ALTER TABLE [dbo].[CoSupervisor] CHECK CONSTRAINT [FK_CoSupervisor_Person]
```

```
GO
```

```
ALTER TABLE [dbo].[Institute] WITH CHECK ADD CONSTRAINT [FK_Institute_Thesis]  
FOREIGN KEY([InstituteID])
```

```
REFERENCES [dbo].[Thesis] ([InstituteID])
```

```
GO
```

```
ALTER TABLE [dbo].[Institute] CHECK CONSTRAINT [FK_Institute_Thesis]
```

```
GO
```

```
ALTER TABLE [dbo].[Institute] WITH CHECK ADD CONSTRAINT [FK_Institute_University]  
FOREIGN KEY([UniversityID])
```

```
REFERENCES [dbo].[University] ([UniversityID])
```

```
GO
```

```
ALTER TABLE [dbo].[Institute] CHECK CONSTRAINT [FK_Institute_University]
```

```
GO
```

```
ALTER TABLE [dbo].[Supervisor] WITH CHECK ADD CONSTRAINT [FK_Supervisor_Person]  
FOREIGN KEY([PersonID])
```

```
REFERENCES [dbo].[Person] ([PersonID])
```

```
GO
```

```
ALTER TABLE [dbo].[Supervisor] CHECK CONSTRAINT [FK_Supervisor_Person]
```

```
GO
```

```
ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_CoSupervisor]  
FOREIGN KEY([CoSupervisorID])
```

```
REFERENCES [dbo].[CoSupervisor] ([CoSupervisorID])
```

```
GO
```

```
ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_CoSupervisor]
```

GO

```
ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Language]
FOREIGN KEY([LanguageID])
```

```
REFERENCES [dbo].[Language] ([LanguageID])
```

GO

```
ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Language]
```

GO

```
ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Supervisor]
FOREIGN KEY([SupervisorID])
```

```
REFERENCES [dbo].[Supervisor] ([SupervisorID])
```

GO

```
ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Supervisor]
```

GO

```
ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_Type] FOREIGN
KEY([TypeID])
```

```
REFERENCES [dbo].[Type] ([TypeID])
```

GO

```
ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_Type]
```

GO

```
ALTER TABLE [dbo].[Thesis] WITH CHECK ADD CONSTRAINT [FK_Thesis_University]
FOREIGN KEY([UniversityID])
```

```
REFERENCES [dbo].[University] ([UniversityID])
```

GO

```
ALTER TABLE [dbo].[Thesis] CHECK CONSTRAINT [FK_Thesis_University]
```

GO

```
ALTER TABLE [dbo].[ThesisKeyword] WITH CHECK ADD CONSTRAINT
[FK_ThesisKeyword_Keyword1] FOREIGN KEY([KeywordID])
```

```
REFERENCES [dbo].[Keyword] ([KeywordID])
```

GO

```
ALTER TABLE [dbo].[ThesisKeyword] CHECK CONSTRAINT [FK_ThesisKeyword_Keyword1]
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisKeyword] WITH CHECK ADD CONSTRAINT  
[FK_ThesisKeyword_Thesis] FOREIGN KEY([ThesisID])
```

```
REFERENCES [dbo].[Thesis] ([ThesisID])
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisKeyword] CHECK CONSTRAINT [FK_ThesisKeyword_Thesis]
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisSubjectTopic] WITH CHECK ADD CONSTRAINT  
[FK_ThesisSubjectTopic_SubjectTopic] FOREIGN KEY([SubjectTopicID])
```

```
REFERENCES [dbo].[SubjectTopic] ([SubjectTopicID])
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisSubjectTopic] CHECK CONSTRAINT  
[FK_ThesisSubjectTopic_SubjectTopic]
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisSubjectTopic] WITH CHECK ADD CONSTRAINT  
[FK_ThesisSubjectTopic_Thesis] FOREIGN KEY([ThesisID])
```

```
REFERENCES [dbo].[Thesis] ([ThesisID])
```

```
GO
```

```
ALTER TABLE [dbo].[ThesisSubjectTopic] CHECK CONSTRAINT [FK_ThesisSubjectTopic_Thesis]
```

```
GO
```

```
USE [master]
```

```
GO
```

```
ALTER DATABASE [SE307] SET READ_WRITE
```

```
GO
```