

E-Library Project - Group 02

- ❖ Mustafa Uçar
- ❖ Emre Gökrem
- ❖ Tugrul Yatagan
- ❖ Hüseyin Erdoğan

Objectives of Project

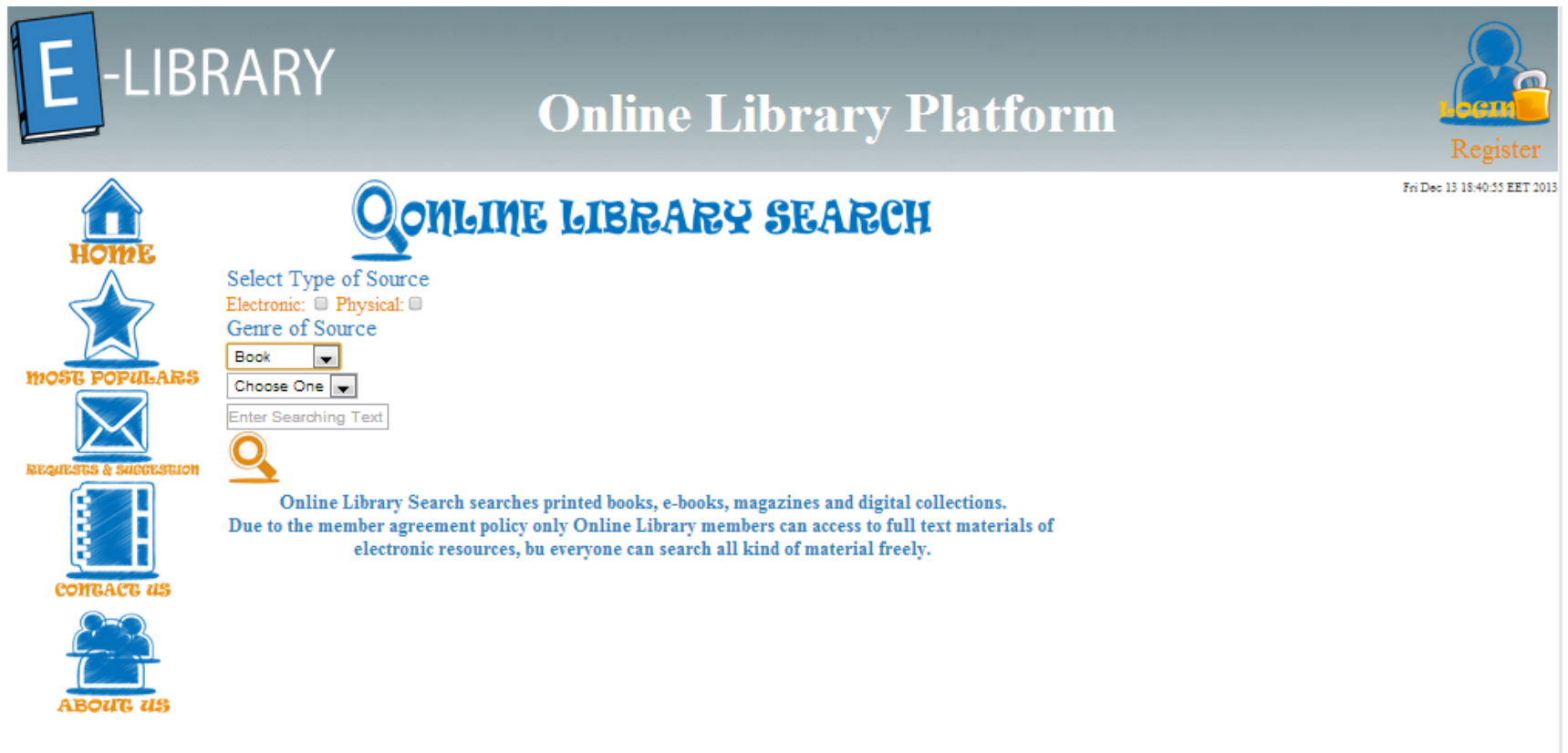
- ❖ Providing a whole library system to user
- ❖ Users will be able to see sources
- ❖ Users will be able to rent sources

Guest Interface

A series of horizontal lines in teal and light blue colors, with varying lengths, extending from the left edge of the slide under the title towards the right.

Guest Home Page

- Guest will see this page, when he/she enter to website.



The screenshot displays the 'E-LIBRARY' Online Library Platform. The header features the 'E-LIBRARY' logo on the left, the title 'Online Library Platform' in the center, and 'LOGIN' and 'Register' links on the right. A timestamp 'Fri Dec 13 18:40:55 EET 2013' is visible in the top right corner. The left sidebar contains navigation links: 'HOME' (house icon), 'MOST POPULARS' (star icon), 'REQUESTS & SUGGESTION' (envelope icon), 'CONTACT US' (film strip icon), and 'ABOUT US' (group of people icon). The main content area is titled 'ONLINE LIBRARY SEARCH' and includes a search form with options for 'Select Type of Source' (Electronic and Physical), 'Genre of Source' (Book and Choose One), and a search text input field. A magnifying glass icon is positioned below the search input. A disclaimer states: 'Online Library Search searches printed books, e-books, magazines and digital collections. Due to the member agreement policy only Online Library members can access to full text materials of electronic resources, bu everyone can search all kind of material freely.'

E-LIBRARY

Online Library Platform

LOGIN
Register

Fri Dec 13 18:40:55 EET 2013

HOME

MOST POPULARS

REQUESTS & SUGGESTION

CONTACT US

ABOUT US

ONLINE LIBRARY SEARCH

Select Type of Source
Electronic: ☐ Physical: ☐

Genre of Source
Book
Choose One

Enter Searching Text

Online Library Search searches printed books, e-books, magazines and digital collections.
Due to the member agreement policy only Online Library members can access to full text materials of electronic resources, bu everyone can search all kind of material freely.

Searching Record

- Guest can search using source's name, type of source and genre of source.



Select Type of Source

Electronic: ☐ Physical: ☐

Genre of Source

Book

Choose One

Enter Searching Text



- First drop box have Book, Dvd, Magazine options.



Select Type of Source

Electronic: ☐ Physical: ☐

Genre of Source

Book

Choose One

Book

Magazine

DVD

Online Library Search searches printed books, e-books, magazines and digital collections.

member agreement policy only Online Library members can access to full text materials of electronic resources, but everyone can search all kind of material freely.

- Second drop box have subspecies of selected type of source. For book : bilim, deneme, egitim, hikaye, roman. For DVD : dizi, egitim, film, müzik. For Magazine : bilim, egitim, mühendislik, yaşam.



The screenshot shows the 'ONLINE LIBRARY SEARCH' header in a blue, stylized font. Below it, there are two radio buttons for 'Electronic' and 'Physical'. Underneath, the 'Genre of Source' section contains two dropdown menus. The first dropdown is set to 'Book', and the second dropdown is open, showing a list of genres: 'Bilim', 'Deneme', 'Eğitim', 'Hikaye', 'Roman', and 'All'. To the right of the dropdowns is a text input field. Below the form, there is a paragraph of text explaining the search capabilities.

Select Type of Source
Electronic: ☐ Physical: ☐
Genre of Source
Book Choose One
Choose One text
Bilim
Deneme
Eğitim
Hikaye
Roman
All

Online Library Search searches printed books, e-books, magazines and digital collections.
e member agreement policy only Online Library members can access to full text materials of
electronic resources, bu everyone can search all kind of material freely.

- Owing to textbox we can search book name, aauthor name, dvd name or magazine name.

- After clicking to search button records are showed
- Under the Rent row, record have link to record page

Q FOUND BOOKS

Name	Author	Publication Year	Rent
Çaldıkuşu	Reşat Nuri	1950	Book's Page
Tutunamayanlar	Reşat Nuri	1972	Book's Page
Lord Of The Rings	J.R.R. Tolkien	1945	Book's Page
safds	dsfsg	2000	Book's Page
safds	ewrsdf	2000	Book's Page
abcd	efgh	2010	Book's Page
asd	dffsadf	2010	Book's Page
denemkitap	yazar	2001	Book's Page
denem	abc	2010	Book's Page
abc	def	2010	Book's Page
İlahi Komedyası	Dante Alieghieri	2013	Book's Page
Saatleri Ayarlama Enstitüsü	Ahmet Hamdi Tanpınar	2013	Book's Page
The Hobbit	J.R.R. Tolkien	1937	Book's Page
Silmarillion	J.R.R. Tolkien	1977	Book's Page
Od	İskender Pala	2004	Book's Page

Q FOUND DVDs

Name	Publication Year	Duration	Rent
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Q FOUND MAGAZINES

Name	Publication Date	Issue Number	Rent
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- Guest can see information about source but they can not rent sources.

BOOK INFORMATION PAGE

Book Name : The Hobbit
 Author : J.R.R. Tolkien
 Publication Year : 1937
 Category : Roman
 ISBN : ISBN: 1-2-3-4
 Rental Count : 1

SOURCE'S RECORDS

#	Location	Availability	Rent
1	Mustafa İnan Kütüphanesi - m1. floor, 1. bookcase, 9. bookshelf, 20. order	Available	RENT
2		Available in 29 days	RENT
3	trtrtr	Available in 29 days	RENT

- If they want to rent a source, they will see this error message.

You must login to rent.

Most Populars

- When guest clicks Most Populars on navigation panel, most rented sources are listed.

★ MOST POPULAR 5 BOOKS

Book Name	Author	Category	Publication Year	Popularity	Link
Çaliskrusu	Reşat Nuri	Roman	1950	12	Book's Page
Lord Of The Rings	J.R.R. Tolkien	Roman	1945	9	Book's Page
Tutunamaynlar	Reşat Nuri	Roman	1972	5	Book's Page
Java Öğeniyorun	Feyzli Yazır	Eğitim	2010	3	Book's Page
The Hobbit	J.R.R. Tolkien	Roman	1937	1	Book's Page

★ MOST POPULAR 5 MAGAZINES

Magazine Name	Issue Number	Category	Publication Year	Popularity	Link
deneme	2	Bilim	2010	1	Magazine's Page
denmag	11	Bilim	2010	1	Magazine's Page
asd	1	Eğitim	2000	0	Magazine's Page
deneme	1	Bilim	2000	0	Magazine's Page
deneme	2	Eğitim	2011	0	Magazine's Page

★ MOST POPULAR 5 DVDs

DVD Name	Duration	Category	Publication Year	Popularity	Link
Blue is the warmest color	300	Film	2013	2	DVD's Page
hobeyyyyy	90	Film	2010	0	DVD's Page
deneme	100	Film	2000	0	DVD's Page
dvdeneme	160	Eğitim	2010	0	DVD's Page
deneme	110	Film	2010	0	DVD's Page

- After clicking links, guest will see page that display information about that source. But guest can't rent any source.



MAGAZINE INFORMATION PAGE

You must login to rent.

Book Name : deneme Magazine Information

Publication Year : Publication Year : 2010

Category : Category: Bilim

Issue : Issue number: 2

Rental Count : Rental Count: 1

SOURCE'S RECORDS

#	Location	Availability	Rent
1	magazine.com	Available in 28 days	RENT

Requests & Suggestions

- Guest can send request or suggestion to admin for sake of website.



Istek ya da önerilerinizi lütfen bu alanda belirtiniz ...



Contact Us

- In this page group members's e-mail addresses are showed so guest can interact with us.



GROUP MEMBERS

Emre GÖKREM

E-Mail : gokrem@itu.edu.tr

Tuğrul YATAĞAN

E-Mail : tugrulyatagan@gmail.com

Hüseyin ERDOĞAN

E-Mail : erdoganh@itu.edu.tr

Mustafa UÇAR

E-Mail : ucarmuasta@itu.edu.tr

About Us

- In this page information about project is given
- Also informations about libraries that are used in database and links of them are given



INFORMATION ABOUT E-LIBRARY PROJECT

The aim of this project is providing whole library system which is accessible via web. Users will be able to see sources (book, e-book, DVD, magazine etc.) and if users are member of the system, they will be rent sources. Users will be able to find the location of the sources from website and they can take actual material from library. If a user wants to use electronic sources from website, he/she will be able to find information about electronic source and a link of the electronic source. The system will have administrator users. Administrator users will be able to control the system (adding source, deleting source, updating source,). The system will have different searching types (type of source and genre of search). In addition, popular sources will be listed on the website according to popular search topics and popular rented sources. If a user does not enter the system for a year, account of the user will be deleted by the system.

CONTACT INFORMATION ABOUT LIBRARIES

Mustafa İnan Kütüphanesi Tel : (0212) 285 35 96

Mustafa İnan Kütüphanesi hakkında daha fazla bilgi için [tıklayın](#)

Makine Fakültesi Ratip Berker Kütüphanesi Tel : (0212) 293 13 00/2163

Makine Fakültesi Ratip Berker Kütüphanesi hakkında daha fazla bilgi için [tıklayın](#)

User Interface

A series of horizontal lines in teal and light blue colors, some solid and some dashed, extending across the bottom of the slide.

User Home Page

- User will see this page, when he/she logs in to website.



The screenshot displays the user home page of an online library platform. The header features a blue banner with the text "E-LIBRARY" and "Online Library Platform". On the right side of the header, there is a logo for "Hüseyin Erdoğan" and a timestamp "Sat Dec 14 14:53:39 EET 2013".

The main content area is divided into two sections. On the left, there is a vertical navigation menu with icons and labels: "HOME" (house icon), "PROFILE" (person icon), "MOST POPULARS" (star icon), "EDIT PROFILE" (book icon), and "ARCHIVE" (bookshelf icon). The right section is titled "ONLINE LIBRARY SEARCH" in large, stylized blue letters. Below the title, there are search filters: "Select Type of Source" with checkboxes for "Electronic" and "Physical", and "Genre of Source" with two "Choose One" dropdown menus. A search input field labeled "Enter Searching Text" is also present. At the bottom of the search section, there is a small magnifying glass icon and a paragraph of text: "Online Library Search searches printed books, e-books, magazines and digital collections. Due to the member agreement policy only Online Library members can access to full text materials of electronic resources, bu everyone can search all kind of material freely."

Register

- Guest can register anytime by clicking register under login symbol.
- Guest encounter this page :



First Name :

Last Name :

Username :

Password :



- If guest enter another user information, he/she will see this error message.

Bu Kullanıcı Adı Zaten Kayıtlı, Yeniden Deneyin.

Login

- After registering, user can login to website using Username and Password.



Username	erdogan
Password	...



- According to user_authority_state from users table, user is redirected to user or admin navigation panel.
- Also user can do everything that guest can do.

Logout

- User can logout anytime from website by clicking logout symbol.
- Also there is user name and surname under the logout symbol.



- After Logout user is redirected to guest Home Page

Searching Record

- Same as guest interface except renting procedure. User can rent sources that are available.
- If user press rent link, he/she will see this message.



DVD INFORMATION PAGE

DVD is rented.

Book Name :Blue is the warmest color **DVD Information**

Publication Year :Publication Year : 2013

Duration :Duration: 300

Category :Category: Film

Rental Count :Rental Count: 3

SOURCE'S RECORDS

#	Location	Availability	Rent	
1	Mustafa İnan Kütüphanesi - m3. floor, 7. bookcase, 24. bookshelf, null. order	Available in 28 days	RENT	WAIT
2	en.msl.film.com	Available in 30 days	RENT	WAIT

- If user want to rent source that not available, this message will be showed.

DVD is not available for 30days.

- User also can put source that not available to waiting list by clicking wait in information page.

SOURCE'S RECORDS

#	Location	Availability	Rent	Wait
1	Mustafa İnan Kütüphanesi - m3. floor, 7. bookcase, 24. bookshelf, null. order	Available in 28 days	RENT	WAIT
2	en.mai.film.com	Available in 30 days	RENT	WAIT

Most Populars Page

- This page is same with guest Most Populars page, except renting procedure. After clicking links user can see location of sources and rent them.



DVD INFORMATION PAGE

DVD is rented.

Book Name :Blue is the warmest color DVD Information

Publication Year :Publication Year : 2013

Duration :Duration: 300

Category :Category: Film

Rental Count :Rental Count: 3

SOURCE'S RECORDS

#	Location	Availability	Rent	Wait
1	Mustafa İnan Kütüphanesi - m3. floor, 7. bookcase, 24. bookshelf, null. order	Available in 28 days	RENT	WAIT
2	en.mai.film.com	Available in 30 days	RENT	WAIT

Profile

- User can see first name, last name, last login date and sources that user is waiting for.

ONLINE LIBRARY USER PROFILE

First Name : Hüseyin

Surname : Erdoğan

Last Login Time : 2013-12-14 14:24:15

WAITING LIBRARY SOURCES

Name	Available	Link
The Hobbit	29	Book's Page
The Hobbit	29	Book's Page
Blue is the warmest color	28	Dvd's Page
Blue is the warmest color	30	Dvd's Page

[Give Us Suggestions & Requests](#)

- Also there is a link to suggestion and request page

Edit Profile

- User can change first name, last name, user name and password.
- Current Password is necessary for changing all of this information.



First Name :

Last Name :

Username :

Current Password :

New Password :

Verify Password :



Archive

- In this page sources are listed that user rented.



Source Name	Source Type	Renting Date	Last Returning Date	Source Link
deneme	Magazine	2013-12-14	2014-01-13	Source's Page
The Hobbit	Book	2013-12-14	2014-01-13	Source's Page
dvdeneme	DVD	2013-12-13	2014-01-12	Source's Page
hobeyyyyy	DVD	2013-12-12	2014-01-11	Source's Page
deneme	Magazine	2013-12-12	2014-01-11	Source's Page
deneme	Magazine	2013-12-12	2014-01-11	Source's Page

Admin Interface

A series of horizontal lines in teal and light blue colors, some solid and some dashed, extending across the bottom of the slide.

Admin Home Page

- Admin will see this page, when he/she logs in to website.



The screenshot displays the Admin Home Page of an Online Library Platform. The header features a blue book icon with the letter 'E' and the text 'E-LIBRARY' on the left, and 'Online Library Platform' in the center. On the right, there is a user profile icon with the text 'admin' and 'admin' below it, and a timestamp 'Sat Dec 14 14:56:35 EET 2013'.

The main content area is divided into two sections. On the left, there is a vertical navigation menu with icons and labels: 'HOME' (house icon), 'PROFILE' (person icon), 'EDIT PROFILE' (document icon), 'ADD SOURCE' (plus icon), and 'ARCHIVE' (bookshelf icon). The right section is titled 'ONLINE LIBRARY SEARCH' in large blue letters. Below the title, there are search options: 'Select Type of Source' with radio buttons for 'Electronic' and 'Physical', 'Genre of Source' with two 'Choose One' dropdown menus, and a text input field labeled 'Enter Searching Text'. A magnifying glass icon is also present. At the bottom, there is a paragraph of text: 'Online Library Search searches printed books, e-books, magazines and digital collections. Due to the member agreement policy only Online Library members can access to full text materials of electronic resources, bu everyone can search all kind of material freely.'

Admin Profile Page

- Admin will see profil information and last 10 renting activities in this page.

ONLINE LIBRARY ADMIN PROFILE

Name : admin
Surname : admin
Last Login Time : 2013-12-13 19:05:36

Last 10 Library Renting Process

User	User Last Access	Source	Source Type	Renting Date	Expected Renting Date	Source Link
HüseyinErdoğan	2013-12-13 19:27:13	dvdeneme	DVD	2013-12-13	2014-01-12	Source's Page
HüseyinErdoğan	2013-12-13 19:27:13	hobeyyyyy	DVD	2013-12-12	2014-01-11	Source's Page
HüseyinErdoğan	2013-12-13 19:27:13	deneme	Magazine	2013-12-12	2014-01-11	Source's Page
HüseyinErdoğan	2013-12-13 19:27:13	deneme	Magazine	2013-12-12	2014-01-11	Source's Page
asdasd	2013-12-12 23:39:46	deneme	Magazine	2013-12-10	2014-01-09	Source's Page
asdasd	2013-12-12 23:39:46	Lord Of The Rings	Book	2013-12-10	2014-01-09	Source's Page
asdasd	2013-12-12 23:39:46	Lord Of The Rings	Book	2013-12-10	2014-01-09	Source's Page
asdasd	2013-12-12 23:39:46	Lord Of The Rings	Book	2013-12-10	2014-01-09	Source's Page
asdasd	2013-12-12 23:39:46	Çalığışu	Book	2013-12-09	2014-01-08	Source's Page
asdasd	2013-12-12 23:39:46	Çalığışu	Book	2013-12-09	2014-01-08	Source's Page

Admin Search

- In this page admin can search any item and also delete them, update them and put them to libraries.

FOUND BOOKS

Name	Author	Publication Year	Rent
Lord Of The Rings	J.R.R. Tolkien	1945	Book's Page

- Search procedure is same as guest and user search procedure. But when admin click to Book's Page, he/she will see this page unlike guest and user.

BOOK INFORMATION PAGE

Book Name : Lord Of The Rings
Author : J.R.R. Tolkien
Publication Year : 1945
Category : Roman
ISBN : ISBN: 123498
Rental Count : 9

ADD EDIT X

SOURCE'S RECORDS

#	Location	Availability	Edit	Delete
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Add Material

- When admin clicks **ADD** , he/she will see Online Library Source Placed Page.

Online Library Source Placed Page

Library Name :


Library Floor :

Bookcase :

Bookshelf :

Column (1-50) :

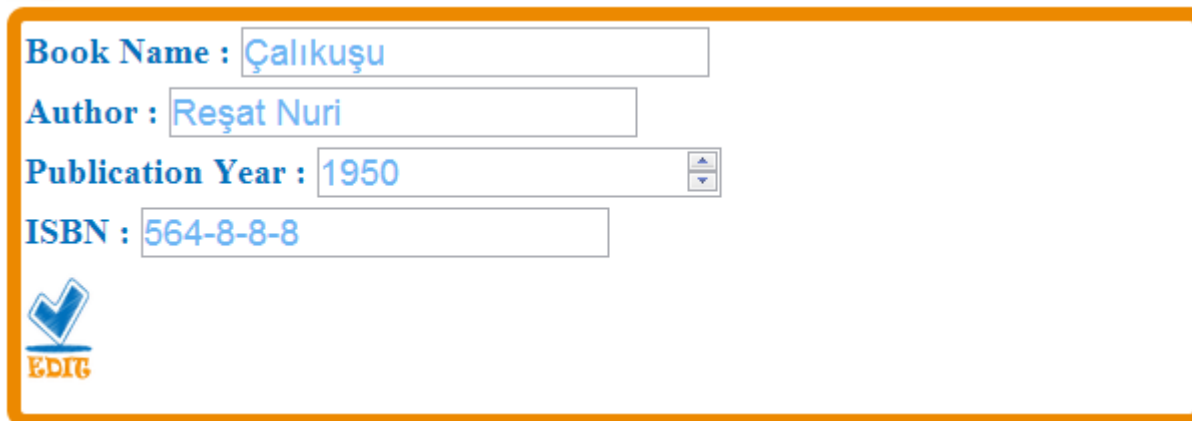
URL:

Placed Source 

- In this page, admin enters library name and according to library, admin select library floor, bookcase, bookshelf and column number.
- If source is electronic admin have to enter source's URL
- Add Material is common for all tree type.(book, DVD, magazine)

Edit Book

- When admin clicks **EDIT** in book information page, he/she will see this page for updating books.


A screenshot of a web form for editing book information. The form is enclosed in an orange border. It contains four input fields: 'Book Name' with the value 'Çalığıuşu', 'Author' with the value 'Reşat Nuri', 'Publication Year' with the value '1950' and a small up/down arrow icon, and 'ISBN' with the value '564-8-8-8'. At the bottom left of the form is a blue checkmark icon above the word 'EDIT' in orange capital letters.

Book Name : Çalığıuşu

Author : Reşat Nuri


Publication Year : 1950

ISBN : 564-8-8-8


EDIT

Edit DVD

- When admin clicks **EDIT** in DVD information page, he/she will see this page for updating books.



A screenshot of a web form titled "Edit DVD" enclosed in an orange border. The form contains three input fields: "DVD Name" with the value "deneme", "Duration" with the value "100", and "Publication Year" with the value "2000". Each field has a small up/down arrow icon to its right. At the bottom left of the form is a blue checkmark icon above the word "EDIT" in orange capital letters.

DVD Name : deneme

Duration : 100

Publication Year : 2000


EDIT


Edit Magazine

- When admin clicks **EDIT** in magazine information page, he/she will see this page for updating books.


DVD Name :

Duration :

Publication Year :


EDIT

Delete Source

- When admin clicks  for any type, he/she will be redirected to admin home page and source will be deleted.

Adding Source

- Admin can add source.
- First admin selects type of source(book, magazine, dvd).

 **ADD NEW SOURCE**

Choose Source Type :



Adding Book

- After selecting type of source, admin enters information of source. For books : book name, author name, publication year, ISBN and book category.

Online Library Book Add Page

Book Name :

Author Name :

Book Publication Year :

Book ISBN :

Book Category :

Book Name
Author name
Book Publication 
Book ISBN
Bilim 

Add Source



Adding DVD

- For DVDs : DVD name, publication year, duration and DVD category.

Online Library DVD Add Page

DVD Name :

DVD Publication Year :

DVD Duration :

DVD Category :

DVD Name	
DVD Publication Year	<input type="text"/>
DVD Duration	<input type="text"/>
Film	<input type="button" value="v"/>

Add Source



Adding Magazine

- For magazines : magazine name, publication year, issue number, and magazine category.

Online Library Magazine Add Page

Magazine Name :

Magazine Publication Year :

Issue Number :

Magazine Category :

Magazine Name	
Magazine Publica	<input type="text"/>
Issue Number	<input type="text"/>
Bilim	<input type="button" value="v"/>

Add Source 

Admin Archive

- Admin will see requests and suggestions in this page.

Users Requests & Suggestions

Message	User	Delete
denemeee	Tuğrul Yatağan	Delete This Message
asd	asd asd	Delete This Message
ıjşlkjş	admin admin	Delete This Message
asd	Public User	Delete This Message
asd	Emre Gökrem	Delete This Message
denemeeeeee	Public User	Delete This Message
hebeloeayyaay	asd asd	Delete This Message

- Also admin can delete this requests and suggestions.

Users Requests & Suggestions

Message	User	Delete
denemeee	Tuğrul Yatağan	Delete This Message
asd	asd asd	Delete This Message
ıjşlkjş	admin admin	Delete This Message
asd	Public User	Delete This Message
asd	Emre Gökrem	Delete This Message
denemeeeeee	Public User	Delete This Message

Database Tables

A series of horizontal lines in teal and light blue colors, extending from the left edge of the slide and ending on the right side, positioned below the title.

users

- This table stores user data. Informations in this table as follows:

Name	Type	Not Null	Primary Key
user_id	Int(11)	Auto increment	1
user_nickname	Varchar(45)	1	0
user_name	Varchar(45)	1	0
user_surname	Varchar(45)	1	0
user_password	Varchar(45)	1	0
user_authority_state	bit(1)	1	0
user_last_access_time	Datetime	1	0
user_point	Varchar(45)	1	0

- user_authority_state : information about user that is normal user or admin.
- user_last_access_time : last access time of user. This information used for deleting user that does not enter website for over a year.
- user_point : penalty point. This points are deleted only by admin.

logs

- This table stores data about login procedure and sources that are rented. Informations in this table as follows:

Name	Type	Not Null	Primary Key
log_id	Int(11)	1	1
user_id	Int(11)	1	0
record_id	Int(11)	1	0
renting_date	date	1	0
expected_returning_date	date	1	0
returning_date	date	1	0

- renting_date : if user rent a source , this shows renting date
- expected_returning_date : expected return date of rented source
- user_authority_state : return date of rented source

aauthors

- This table stores data about writers of books. Informations in this table as follows:

Name	Type	Not Null	Primary Key
author_id	Int(11)	Auto increment	1
author_name	Varchar(45)	1	0
author_information	mediumtext	1	0

- author_information : Brief introduction about author

books

- This table stores book data. Informations in this table as follows:

Name	Type	Not Null	Primary Key
book_id	Int(11)	Auto increment	1
book_name	Varchar(45)	1	0
auther_id	Int(11)	1	0
book_publication_year	Year(4)	1	0
book_ISBN	Varchar(45)	1	0
book_rental_count	Int(11)	1	0

- book_ISBN : this is for electronic books
- book_rental_count : renting number of books and used for displaying most popular books

magazines

- This table stores magazine data. Informations in this table as follows:

Name	Type	Not Null	Primary Key
magazine_id	Int(11)	Auto increment	1
magazine_name	Varchar(45)	1	0
magazine_issue_number	Int(11)	1	0
magazine_publication_date	Date	1	0
magazine_rental_count	Int(11)	1	0

- magazine_issue_number: issue of magazine
- magazine_rental_count : renting number of magazines and used for displaying most popular magazines

DVDs

- This table stores DVD data. Informations in this table as follows:

Name	Type	Not Null	Primary Key
DVD_id	Int(11)	Auto increment	1
DVD_name	Varchar(45)	1	0
DVD_duration	Int(11)	1	0
DVD_publication_date	Date	1	0
DVD_rental_count	Int(11)	Default "0"	0

- DVD_rental_count : renting number of DVDs and used for displaying most popular DVDs

book_categories

- This table stores data about book categories. Informations in this table as follows:

Name	Type	Not Null	Primary Key
book_categorie_id	Int(11)	Auto increment	1
book_categorie_name	Varchar(45)	1	0

- book_categorie_name : used for categorizing books. Ex : roman, deneme ex.

bookcases

- This table stores data about bookcases and this informations are used for locating books. Informations in this table as follows:

Name	Type	Not Null	Primary Key
bookcase_id	Int(11)	Auto increment	1
floor_name	Int(11)	1	0
bookcase_name	Varchar(10)	1	0

- floor_name : floor name that is bookcase in there

bookshelves

- This table stores data about bookshelves and this informations are used for locating bookcase. Also bookshelves have limit. Informations in this table as follows:

Name	Type	Not Null	Primary Key
bookshelf_id	Int(11)	Auto increment	1
bookcase_id	Int(11)	1	0
bookshelf_name	Varchar(10)	1	0
book_limit	Int(11)	1	0

- **bookcase_id** : bookcase id that is bookshelf in there
- **book_limit** : maximum number of book that 's Bookshelf contains

DVD_categories

- This table stores data about categories of DVDs. Informations in this table as follows:

Name	Type	Not Null	Primary Key
DVD_category_id	Int(11)	Auto increment	1
DVD_category_name	Varchar(45)	1	0

- DVD_category_name : used for categorizing DVDs. Ex : science-fiction

electronic_resources

- This table stores data about sources that are electronic. Informations in this table as follows:

Name	Type	Not Null	Primary Key
record_id	Int(11)	Auto increment	1
url	Varchar(45)	1	0

- url : users can reach sources on internet using url

physical_resources

- This table stores data about sources that are physical. Informations in this table as follows:

Name	Type	Not Null	Primary Key
record_id	Int(11)	Auto increment	1
bookshelf_id	Int(11)	1	0
book_column	Int(11)	1	0
current_log_id	Int(11)	1	0

waiting_resources

- This table stores data about users that are waiting for sources. Informations in this table as follows:

Name	Type	Not Null	Primary Key
user_id	Int(11)	1	1
record_id	Int(11)	1	1

- record_id : source that is users waiting for

floors

- This table stores data about floors that libraries have. Informations in this table as follows:

Name	Type	Not Null	Primary Key
floor_id	Int(11)	Auto increment	1
library_id	Int(11)	1	1
floor_name	Varchar(45)	1	1

- **library_id** : library that's contains that floor

libraries

- This table stores library data. Informations in this table as follows:

Name	Type	Not Null	Primary Key
library_id	Int(11)	Auto increment	1
library_name	Varchar(45)	1	0
library_address	Varchar(45)	1	0

magazine_categories

- This table stores data about magazine categories. Informations in this table as follows:

Name	Type	Not Null	Primary Key
magazine_categorie_id	Int(11)	Auto increment	1
magazine_categorie_name	Varchar(45)	1	0

- magazine_categorie_name : used for categorizing magazines. Ex : politics

records

- This table stores data about sources and type of this sources. Informations in this table as follows:

Name	Type	Not Null	Primary Key
record_id	Int(11)	Auto increment	1
type_id	Int(11)	1	0
x_id	Int(11)	1	0
Physical_electronic	bit(1)	1	0

- type_id : type of record. Ex : book,DVD, magazine
- physical-electronic : record is physical or electronic

suggestions

- This table stores suggestions that are going to send to admin. Informations in this table as follows:

Name	Type	Not Null	Primary Key
suggestion_id	Int(11)	1	1
suggestion	text	1	0

types

- This table stores data about source type. Informations in this table as follows:

Name	Type	Not Null	Primary Key
type_id	Int(11)	1	1
type_name	Varchar(45)	1	0

- type_name : contains types. Ex: book, DVD, magazine

Entity Relation Diagram

A series of horizontal lines in teal and light blue colors, with varying lengths and slight offsets, creating a modern, layered effect across the middle of the slide.

