



**CS 319 / Object-Oriented Software Engineering  
Term Project:**

**“Mastering Bilkent”  
Final Report**

**Project Group 1.A:**

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## **1.Introduction**

*Mastering Bilkent* is an educational desktop application for students to get extra materials about their lectures, and also for instructors who want to give extra lectures and materials to their students. So the reason why we've chosen this application as our project is to help both students and instructors in Bilkent University to get along with their courses more efficiently.

In the development process, we mostly focused on graphical user interfaces and visual design. We've paid attention to using visually up to date, aesthetic and non eye-straining buttons, pages, and other visual images. Another thing we've focused on was good documentation. The listing of courses and their contents are also important parts for the end users, so we've focused on them too. Also, we're using a database so that the profiles of the users and courses along with their contents can be saved safely. So in case of service shut down or any other abnormality, the information about users and courses will not be lost.

In conclusion, *Mastering Bilkent's* target market is Bilkent Students and instructors who want to engage in course materials in a visually attractive, user friendly, and reliable environment.

## **2. Application Setup**

The requirements for this program are not much: The user's computer should have Java 8 SDK installed and configured properly and configure it to be the default program that opens .jar files. The system should be able to satisfy the requirements of Java 8 (like the graphics, memory, etc) and have a decent internet connection over DSL.

### 3. The User's Manual

## MASTERING BILKENT

E-mail:

Password :

Don't have an account? [Register Now!](#)

When user enters *Mastering Bilkent* s/he will see our application's login page. If a user isn't signed up to our sistem, s/he can register via the "Register Now!" link.

## MASTERING BILKENT

Enter Your Name:

Enter Your Surname:

Enter Your E-mail:

Enter Your Password:

Re-Enter Your Password:

Department:

School Year For Students(1 to 4):

[Return to Login Page](#)

I am ▼  
a Student  
an Instructor

In this screen user have to select whether s/he is an instructor or a student and one of the corresponding titles.

My Title is ▼  
Undergraduate  
Graduate  
None

For Students

My Title is ▼  
Prof.  
Assoc. Prof  
Asst. Prof  
Instructor

For Instructors

## MASTERING BILKENT

a Student ▼ Undergraduate ▼

Enter Your Name: Rümeyza

Enter Your Surname: Dinçer

Enter Your E-mail: rumezadincer@gmail.cı

Enter Your Password: .....

Re-Enter Your Password: .....

Department: CS

School Year For Students(1 to 4): 3

Complete Registration

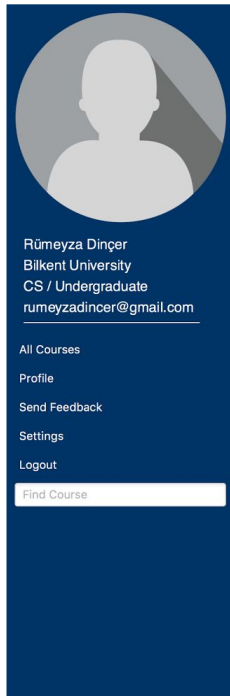
[Return to Login Page](#)

This is a sample Registration Page that is filled up by a student.

## MASTERING BILKENT

a Student ▼	Undergraduate ▼
Enter Your Name:	<input type="text" value="Rümeýza"/>
Enter Your Surname:	<input type="text" value="Dinçer"/>
Enter Your E-mail:	<input type="text" value="rumeýzadincer@gmail.ct"/>
Enter Your Password:	<input type="password" value="....."/>
Re-Enter Your Password:	<input type="password" value="Wrong Password is Ente"/>
Department:	<input type="text" value="CS"/>
School Year For Students(1 to 4):	<input type="text" value="3"/>
<input type="button" value="Complete Registration"/>	
<a href="#">Return to Login Page</a>	

User will encounter with error messages when inappropriate information is entered or nothing is entered into the mandatory areas.



### Mastering Bilkent Student Home Page

[Register Another Course](#)

A student will see this page when s/he logs in the system properly at the first time. A student can reach the current available courses by "All Courses" link at the left navigation bar.



Rümeysa Dinçer  
Bilkent University  
CS / Undergraduate  
rumezadincer@gmail.com

[My Courses](#)

[Profile](#)


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## Mastering Bilkent Course List

CS319 - Object Oriented Software Engineering Bora Güngören / Spring 2017
CS315 - Programming Languages Buğra Gedik / Spring 2017
CS342 - Operating Systems Özcan Öztürk / Spring 2017
CS353 - Database Systems Özgür Ulusoy / Spring 2017
CS101 - Algorithms and Programming 1 David Davenport / Spring 2017
CS223 - Digital Design William Sawyer / Spring 2017
CS224 - Computer Organization Fazlı Can / Spring 2017



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Özcan Öztürk / Spring 2017
CS353 - Database Systems Özgür Ulusoy / Spring 2017
CS101 - Algorithms and Programming 1 David Davenport / Spring 2017
CS223 - Digital Design William Sawyer / Spring 2017
CS224 - Computer Organization Fazlı Can / Spring 2017
CS102 - Algorithms and Programming 2 Öznur Taştan Okan / Spring 2017
MATH101 - Calculus 1 Okan Tekman / Spring 2017
MATH102 - Calculus 2 Okan Tekman / Spring 2017

These two pages above are course offering pages that a student sees when s/he clicks "All Courses" link.

#### **4. What's Changed During The Implementation Stage**

#### **5. What's Left**