



DEPARTMENT OF
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Senior Project Report

Department of Computer Science
California State University, Dominguez Hills

Online Advising System

Prepared By

**Surendra Pandey
Jamuna Adhikari**

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Committee Members/Approval

Amlan Chatterjee

Faculty Advisor

Signature

Date

Committee Member

Signature

Date

Committee Member

Signature

Date

Mohsen Beheshti

Department Chair

Signature

Date

ABSTRACT

This paper addresses the academic online advising system application. An important issue that is often neglected by the college's or school's department. Advising system is very popular and very firmly followed by all the colleges and schools. It is one of the core requirements for the student to fulfill. This application 'online advising system' is developed so that it can be utilized by students and advisors. To develop this application, Java programming language has been used for the graphical user interface, and MySQL workbench has been used to store data. Through this application, students are not only able to make an appointment but they would be able to see their academic progress. The students would be able to keep track of their appointment. Moreover, if anyone wants to get prerequisites clear, they can upload their particular document to the system, and the advisor can take a look at it and decide whether to approve or disapprove. The whole process makes everyone's life much easier. The student would be able to pick the advisor they want to see, make an appointment ahead of time, and also, they can cancel or reschedule their appointment. The advisor would know beforehand how many appointments they have for a day, and also, they would be able to see student progress reports.

ACKNOWLEDGEMENT

We would like to acknowledge the contribution of the project partner, friends, family members, and the professors.

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I would like to acknowledge the contributions of my family members: my father, Keshulal Adhikari, Mother Dilmaya Adhikari. Especially, my brother Suraj Adhikari, provided feedback on my sample project, and of course, much gratitude goes to my loving husband, Dev, for his support and his encouragement.

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1 Introduction

Web applications are essential part of our lives, it is intertwined with all aspects of our lives. Not only because it makes thing easier, but also because it saves our time. In today's time, people are extremely occupied with their work, and wanting to reduce the burden of their daily activities. These web applications are pervasively use in education sector, and one of the popular applications is online advising system. Meeting with counselor is one of the major requirements that students must fulfilled. In the past, appointment process used to be done manually, where students had to stand in the line and wait for the turn. Sometimes, people crowded in line, and sometimes people will not show up for appointment. To solve such kind of problems, online advising application system developed. Not only to eliminate human error, but also to make the appointment scheduling feasible for everyone This is an example of a citation.

The main purpose of this project is to develop an online advising scheduling system for the students, and the advisors. This application enables students to safely login to the system to schedule an appointment online, where all the detail information will be listed. Student's will be able to see all the major advisors, and academic advisors with their available date and time. They can cancel, reschedule their appointment as per their convenience. This system surely saves student's time when they will not have to stayed in hold for like thirty minutes to reschedule their appointment.

2 Background

To design and implement this application, eclipse has been used for Java swing framework. It is a Java Graphical User Interface toolkit. It is an Application Programming Interface (API) for providing a Graphical User Interface for Java programs. It is a part of the JFC (Java Foundation Classes), that is an API for providing a graphical user interface for Java programs Dejan (2007).

2.1 Applications

Java is a dominant general-purpose programming language. It is used to develop mobile applications, desktop, embedded systems, big data processing, etc. Java programming language runs on over three billion devices worldwide, making Java one of the most popular programming languages. Our project is to develop the Online scheduling system, and we also use java programming language for creating this application. The one significant advantage that Java has is the inclusion of standardized graphical user interface (GUI) libraries. Having its own library for GUI makes it easy to write the code rather than using other languages. So, we make a graphical user interface using the java swing framework. Java Swing offers a set of components that can be used to build rich desktop interfaces that include basic elements such as windows, buttons, scrollbars, etc. as well as it has more complex compound objects such as file choosers, color choosers, and combo boxes. Java Development Kit (JDK) version 15 is used to compile the java program. When developing the application, many classes are created, including different functions. Also, another most important work is making a connection with the MySQL Workbench database. For connection with MySQL, the driver is implemented into java compiler so the database can be accessed while operating the program.

2.2 Database

A database is one of the perfect data structures which stores, organized information. MySQL is a visual modeling and design tool for server relation databases that generate new physical data models and modify it into the existing MySQL databases with different (reverse/forward) engineering and change management functions. MySQL workbench aims to provide the interface to work with databases more efficiently and in a more structured way. MySQL has a high achievement than other relational database systems because of its simplicity in design and support for multiple storage engines. MySQL is one popular database system that is implemented in an Online scheduling system. In MySQL workbench, one schema has created for accessing from the java compiler and into that schema different tables are created such as student table, courses, staff, and so on. for the Online scheduling system, login username and password also save into the table where user can access and add as they register the new user login.

3 Research

3.1 Java Documentation

For this project, different libraries have been used. However, to make this project work in a responsive manner have connected to the database. The connection object uses a DriverManager. The Driver manager passes database username and password of the user, and the location of the database. There are few libraries to import such as import java.sql.Connection, import java.sql.DriverManager, import java.sql.SQLException. If the Driver manager successfully attempts to connect to the database, project run and if it's failed to connect then it will send a SQLException error. From the Java Swing One of the main and important libraries is Action, this action interface provides a useful extension to the ActionListener interface, where functions would be implemented and may be accessed by several controls. JFrame is an extended version of java.awt.Frame. Frame that adds support for the java swing component architecture. JPanel is a generic lightweight container where all other part can be implemented. JButton is an implementation of a push button. JCheckBox, implementing check box would allow user to select or deselect check box and which displays its state to the user. JFileChooser is a component which provides a simple mechanism for the user to choose a file. JFormattedTextField is another library, which extends JTextField adding support for formatting arbitrary values, as well as retrieving a particular object once the user has edited the text. JLabel library is used to display area for a short text string or an image or both. JTextField is a text component that where user would be able to edit single line of text. JPasswordField is a text component that allow editing of a single line of text where the view indicates something was typed but does not show the original characters. Instead user can modify and let user see asterisk symbol or period symbol. JScrollPane has been used as it implements of a scrollbar. JSpinner library used to show a single line input field that lets the user select a number or an object value from an ordered sequence doc (2020).

3.2 MYSQL Documentation

Among many SQL, MySQL workbench is used for storing various data in this project. Rather than making many files into java, MySQL helps organize and accessing easily and appropriately, so it is implemented for all data storing and showing the relation to different tables. For accessing MySQL data into a java, SQL driver (mysql-connector-java-8.0.19.jar) is called into java program, and so it helps to connect to the MySQL workbench. After the connection function is called, the java program can have the authentication and authorization to access and modify the database. Basically, in the database, the schema - skeleton structure representing the logical view of the entire database, is used to organize the tables. Different tables were created as the program's requirements and connect some tables, either one to one or many to many. So those tables can be accessed from other tables by using its primary key. When creating the table, every table has its own di as the primary key, unique and non-repetitive. When accessing one table from another table, different conditions were used as the program requirements for accessing those tables. The most common are selecting, inserting, deleting inner join, and where conditions are frequently used. As some tables are connected by many to many relations, some extra tables were created for making those tables. That both primary keys were assigned as the foreign key, and those combined foreign keys convert into another primary key for the connection table. So when accessing one table data, the connection table helps make accessing many to many for the same data; otherwise, every data cannot be assigned multiple times because it violates the database rule dev (2020).

4 Development

This application is start up with the login system of the different user types. There are two user types have been used, one is Student and the other one is advisor. If the user login as a student, it will direct to the student page. If the user login as an advisor, it will direct to the advisor page. Login page consists of username, password, hide or view password check box, Sign in button and the register account link. If the user does not have account, there is a link which will take user to the register page. If user entered incorrect username or password, it would notify user, so they can correct it and login again. If all information is entered correctly, it will take user to the appropriate page.

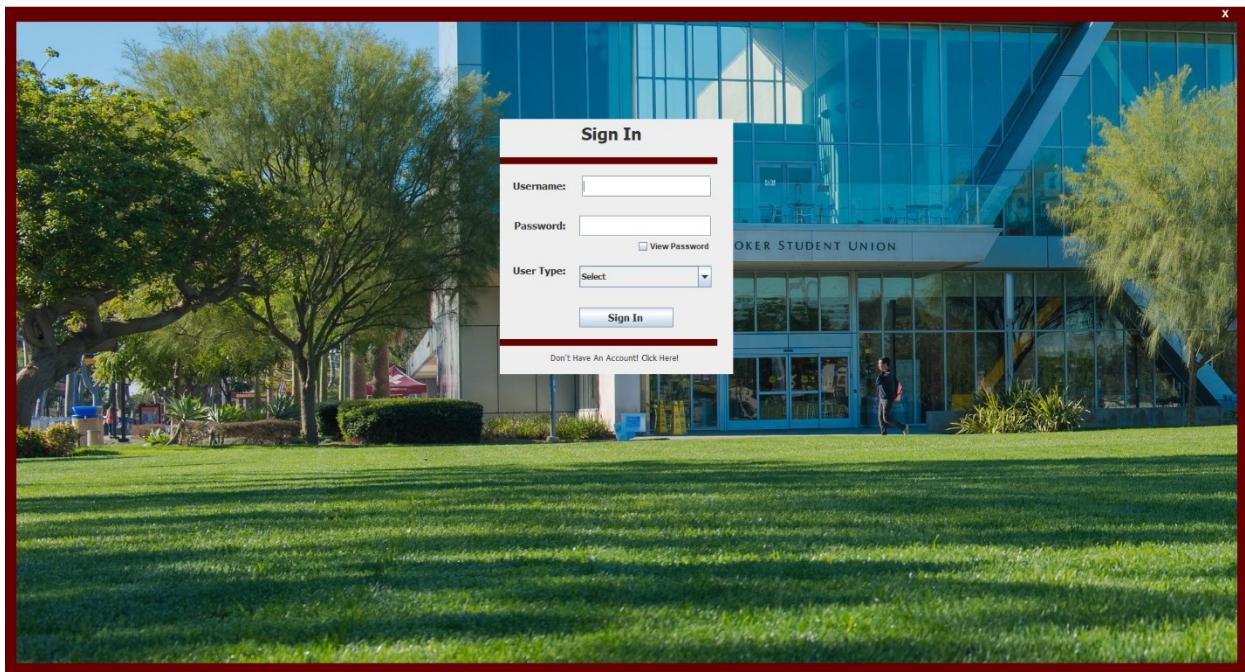


Fig: Sign in page

New user can create account by clicking in the link mention in the sign in page. Once user fill all the information, account will be created. If the user already has an account, system will notify user that the account is already exists in the system and cannot be create the new one. To create the new account, new information needs to be filled. While filling the register form if user does not meet the password criteria, pop up message will be display mentioning

why password is not acceptable. User email is only acceptable if it is from university Toro mail, other emails are not acceptable. If the phone number is not ten digits, it will not let user register account. Thus, to register account successfully all the information needs to be provided as per requirement.

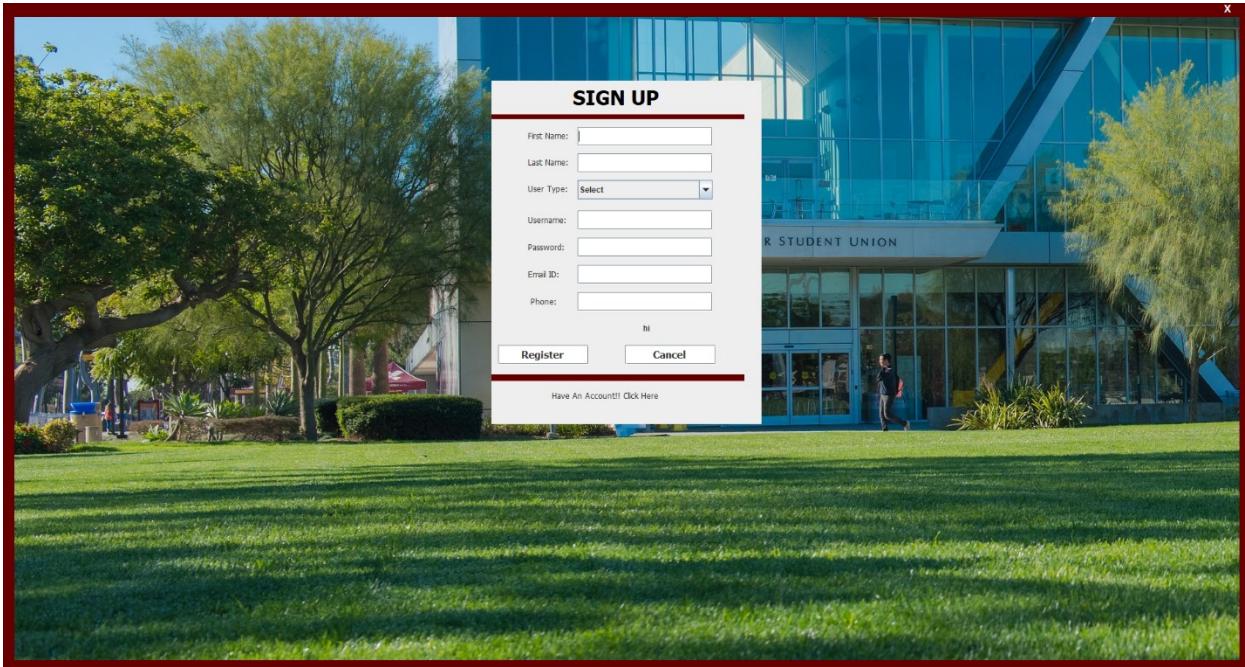


Fig: Registration page

Once user successfully login, the main page will load. The page consists of menu bar in the left side of the page which has different tab such as home, Account, Faculty, Inbox, Calendar, Classes button to go to certain page. Also, there is a visual representation of each tab in the middle of the main page. There are also a “To Do List” for student which notify student if they have mandatory appointment need to be fulfilled. “Upcoming Appointment” which will notify student that they have appointment coming up, and lastly “Missed Appointment”, which will also notify students if they missed their appointment without cancelling appropriately.

New user can create account by clicking in the link mention in the sign in page. Once user fill all the information, account will be created. If the user already has an account, system will notify user that the account is already exists in the system and cannot be create the new

one. To create the new account, new information needs to be filled. While filling the register form if user does not meet the password criteria, pop up message will be display mentioning why password is not acceptable. User email is only acceptable if it is from university Toro mail, other emails are not acceptable. If the phone number is not ten digits, it will not let user register account. Thus, to register account successfully all the information needs to be provided as per requirement.

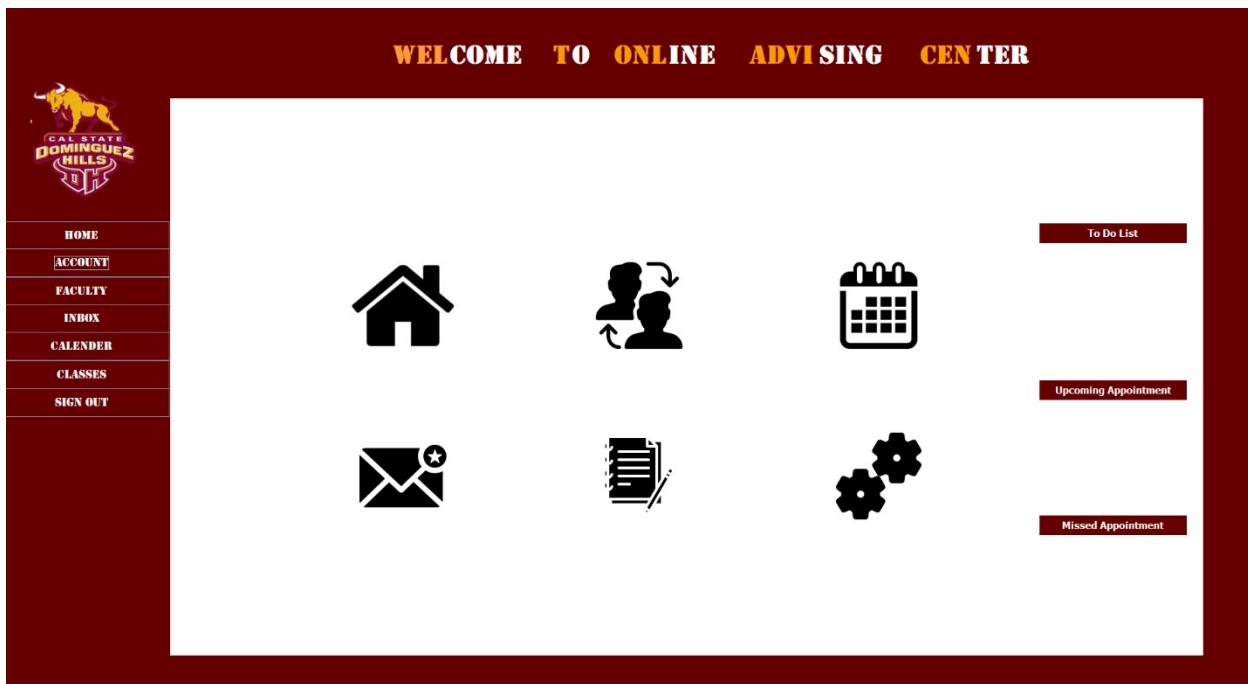


Fig:Main Page.jpg

As student logins with their username and password, they can see their home screen to navigate a different option. They have options either they want to select at the side navigation or the middle navigation option, both way they can reach as they need to go an appropriate direction. As student logins with their username and password, they can see their home screen to navigate a different option. They have options either they want to select at the side navigation or the middle navigation option, both way they can reach as they need to go an appropriate place.

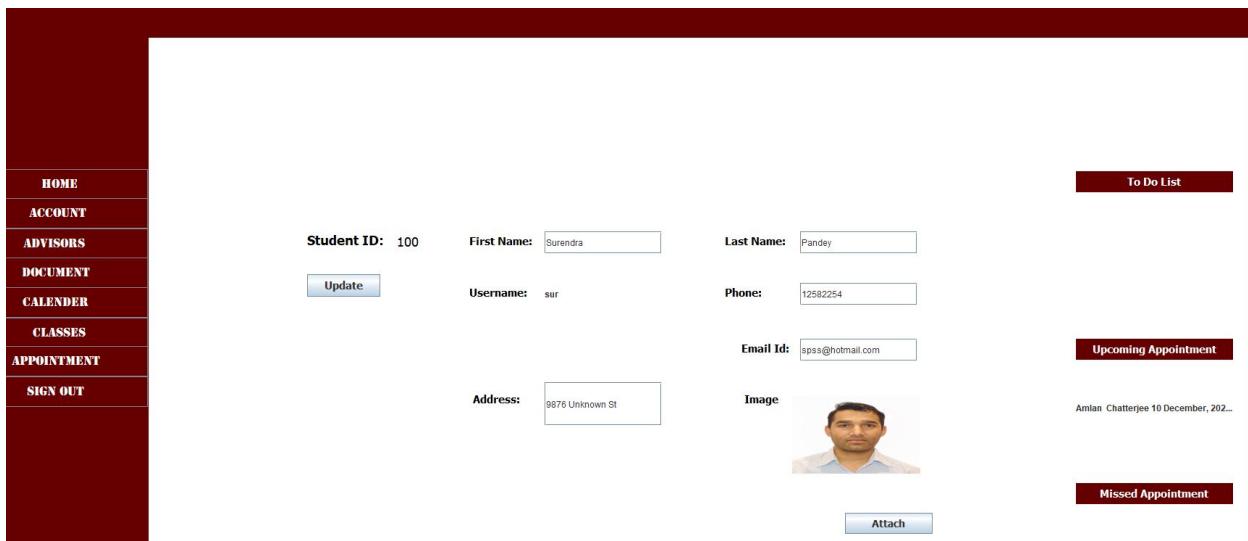


Fig:StudentAccount.jpg

In the above picture, the student selected the account navigation where they can see their personal information. If they want, they can change info as well as they can upload their picture.

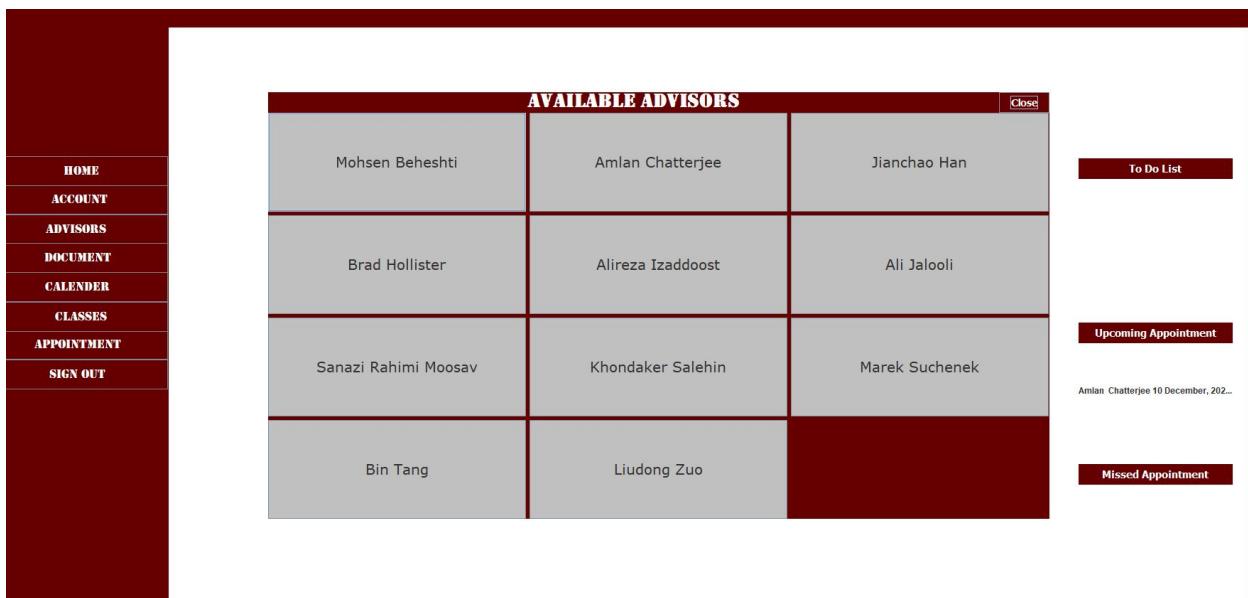


Fig:StudentAdvisort.jpg

When students select the Appointment tab, they can see the list of advisors. Whom students want to make the schedule, and they can choose one advisor. After they clicked the advisor name, another page will open where details of the advisor are available. If the student wants

to have a schedule with that advisor just, they need to select the make an appointment button, and the student can see the available time-slot for the advisor. As they clicked, if the appointment is available, it will conform; otherwise, it let the student select a different time for scheduling an appointment.

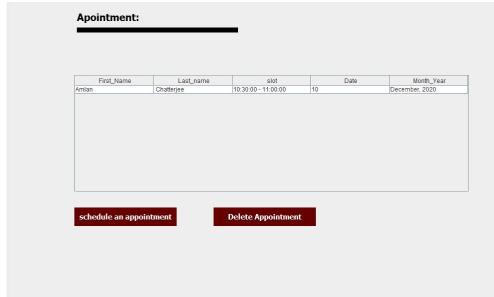


Fig: StudentAppointment.jpg

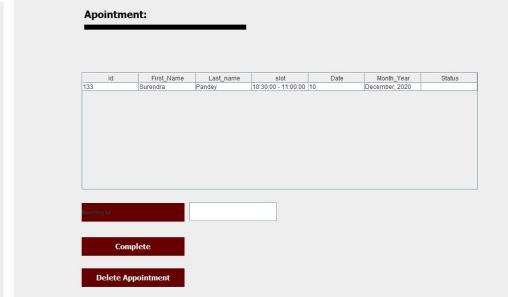


Fig: AdvisorAppointment.jpg

The left side picture(Student Appointment) is which student side view making for making an appointment with an advisor and the appointment record. This page has the function to delete the current appointment and reappointment if needed to make an appointment. The right (Advisor Appointment) picture is the advisor page where an advisor can see all the students' appointments, and the advisor can decide whether the student requirement of advising is complete or not. Also, an advisor has the option to delete the appointment from their side.

HOME
ACCOUNT
ADVISORS
DOCUMENT
CALENDER
CLASSES
APPOINTMENT
SIGN OUT

ID 100
First Name Surendra
Last Name Pandey
Email spss@hotmail.com
Phone 12582254

ID	student_ID	F_Name	L_Name	Email	Phone	Document	Attach	Status
1	100	Surendra	Pandey	spss@hot...	12582254	cv	C:\Users\...	Denied
2	100	Surendra	Pandey	spss@hot...	12582254	another	C:\Users\...	Approved

To Do List

Upcoming Appointment

Amian Chatterjee 10 December, 202...

Missed Appointment

Document [Attachment](#) [Upload](#)

Fig:StudentDocument.jpg

The above Fig: StudentDocument is when a student wants to upload or submit any documents to the advisor page. On this page, students' information can not change when they upload anything. However, they can write the document description and any forms of the document type. When they upload the documents, the document opens to show what they are going to upload, and after they upload, they can see the document's details in the form of a table as above. Also, if any documents are already verified as approved or denied, that also shows details.

Classes Detail

Completed Classes

Subject	CRN	Title	Action
CSC	121	Intro To Cs c A...	T
CSC	123	Intro To Cs c A...	T
CSC	125	Software Engin...	T
CSC	221	Assembly And Int...	T
CSC	281	Discrete Struct...	T
CSC	301	Computers An...	T
CSC	311	Data Structures	T
CSC	321	Programming	T

Upper Division Core Requirement Course

Subject	CRN	Title
CSC	311	Data Structures
CSC	321	Programming Lan...
CSC	331	Computer Organiz...
CSC	341	Operating Systems
CSC	401	Analysis Of Algorit...
CSC	471	Compiler Constru...
CSC	481	Software Engineer...
CSC	492	Senior Design

To Do List

Upcoming Appointment

Amlan Chatterjee 10 December, 202...

Classes In Progress

Subject	CRN	Title	Action
CSC	341	Operating Syst...	P
CSC	401	Analysis Of Algor...	P
CSC	481	Software Engin...	P
CSC	492	Senior Design	P

Upper Division Electives Courses

Subject	CRN	Title
ITC	395	Selected Topics
ITC	399	IT Practicum
CSC	411	Artificial Intelligence
CSC	451	Computer Networks
CSC	453	Data Management
CSC	495	Selected Topics

Missed Appointment

Fig:StudentClass.jpg

Another navigation is class where students can see that class they already took, what class is in progress add what class they did not take as they need to take for graduation. The first table where the student can see the completed courses; below it, they can see the course that they are taking currently. The right top is which university offers for the upper-division and core course for CS major and below it the elective courses where at least student needs to complete two courses for graduation.

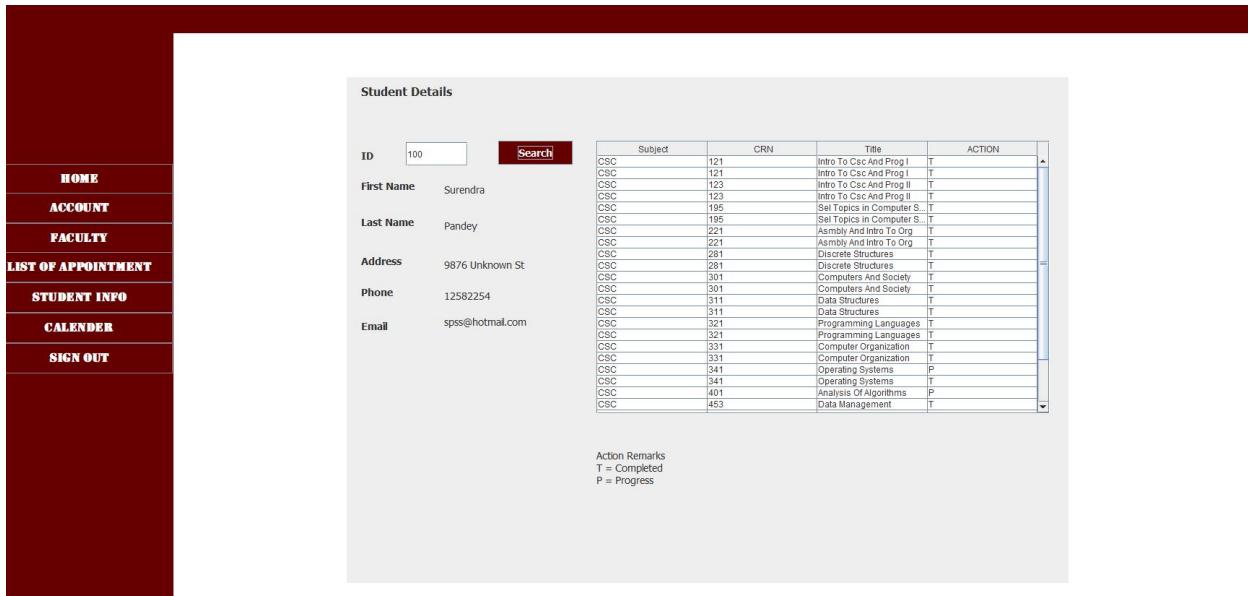


Fig:AdvisorStudentInfoe.jpg

Based on the role of student, advisor, and admin, the Online Advising system has a different view. Suppose advisor login from their id, then one of the navigation bars is student info where the advisor can input the student id. It will show all the student information details, including the classes that the student completed and the course in progress. This page helps the advisor to have to advise more effectively.

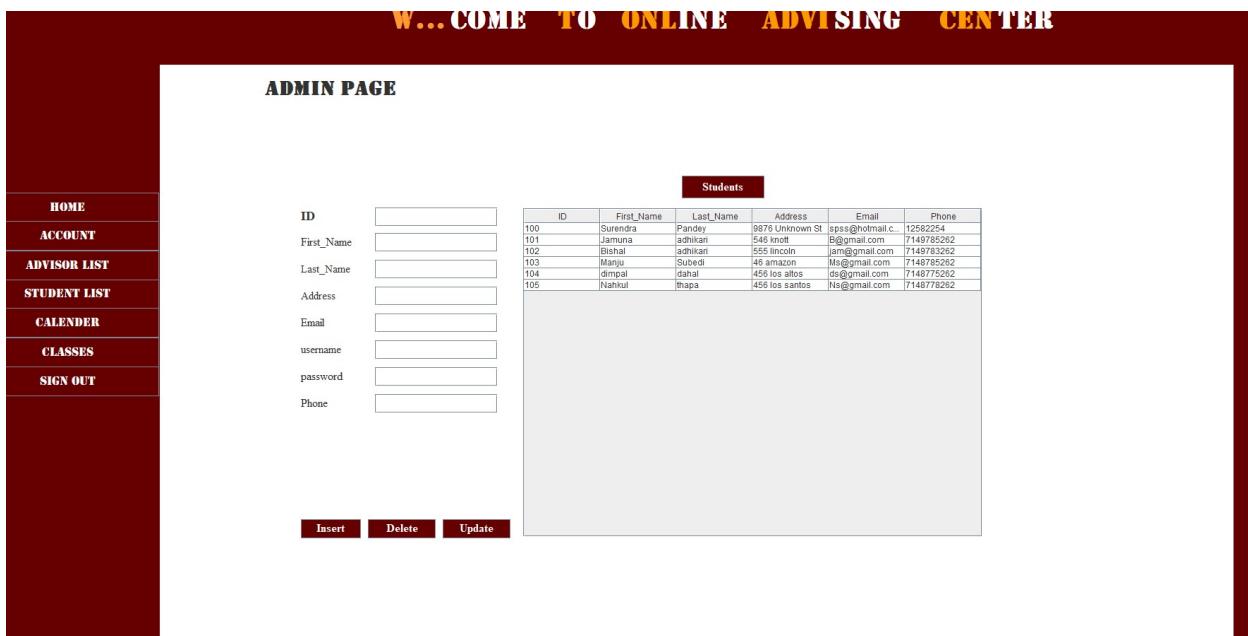


Fig:AdminStudent.jpg

Admin is another type of user who has the master right for accessing and modifying the program. The above picture where the admin can see the student details and can add as necessary. Also, admin has the right to delete the student list and modify it if needed. For deleting the student, the admin can just insert the student Id, and it will automatically delete that correspondent information. The admin can also check the right side table where all student table from DBMS is available for the visualization.

The screenshot shows a web-based application titled "W... COME TO ONLINE ADVISING CENTER". The main title is "ADMIN PAGE". On the left, there is a vertical navigation menu with links: HOME, ACCOUNT, ADVISOR LIST, STUDENT LIST, CALENDER, CLASSES, and SIGN OUT. The "CLASSES" link is currently selected. The main content area displays a table titled "Classes" with the following columns: ID, Subject, CRN, Title, Units, Start Date, End Date, Meeting..., Location, and Instructor. Below the table are three buttons: Insert, Delete, and Update. The table contains 28 rows of class information, each with a unique ID and various details like subject name, credit hours, and instructor name.

ID	Subject	CRN	Title	Units	Start Date	End Date	Meeting...	Location	Instructor
1	CSC	101	Intro to C...	3	8/24/2020	12/16/2020	TBA	INTERNET	K Amineh...
2	CSC	111	Intro CS...	3	8/24/2020	12/16/2020	0:00-11...	J Halasa	
3	CSC	115	Intro P...	3	8/24/2020	12/16/2020	4:00-5:1...	L Zuo	
4	CSC	116	Intro to C...	3	8/24/2020	12/16/2020	5:30-8:1...	Alternativ...	J Nombr...
5	CSC	121	Intro To...	4	8/24/2020	12/16/2020	2:30-3:4...	Alternativ...	M Ghani...
6	CSC	123	Intro To ...	4	8/24/2020	12/16/2020	3:01-4:4...	Alternativ...	[W Blank]
7	CSC	195	Sel Topic...	2	8/24/2020	12/16/2020	TBA	TBA	Staff
8	CSC	201	Algorithm...	3	8/24/2020	12/16/2020	2:30-3:4...	Alternativ...	[M McCull...
9	CSC	251	C Lang P...	3	8/24/2020	12/16/2020	4:00-5:1...	Alternativ...	G Poppe
10	ITC	251	System...	3	8/24/2020	12/16/2020	4:00-5:1...	Alternativ...	G Poppe
11	CSC	255	Dynamic...	3	8/24/2020	12/16/2020	11:30-12...	Alternativ...	J Halasa
12	CSC	281	Discrete...	3	8/24/2020	12/16/2020	2:30-3:4...	Alternativ...	L Zuo
13	CSC	300	Software...	3	8/24/2020	12/16/2020	0:00-11...	Alternativ...	[J Rosen]
14	CSC	301	Computer...	3	8/24/2020	12/16/2020	11:30-12...	Alternativ...	M Sudhe...
15	ITC	310	IT Project...	3	8/24/2020	12/16/2020	08:30-09...	Alternativ...	[W Blank]
16	CSC	311	Data Stru...	3	8/24/2020	12/16/2020	11:30-2...	Alternativ...	A.Jalal...
17	CSC	321	Program...	3	8/24/2020	12/16/2020	1:00-2:1...	Alternativ...	[M McCull...
18	CSC	331	Compute...	3	8/24/2020	12/16/2020	7:00-9:4...	Alternativ...	K Salehin...
19	CSC	341	Object...	3	8/24/2020	12/16/2020	4:00-5:1...	Alternativ...	[A. Saeed]
20	ITC	395	Selected...	3	8/24/2020	12/16/2020	TBA	INTERNET	P Radfar
21	ITC	399	IT Practic...	3	8/24/2020	12/16/2020	08:30-11...	Alternativ...	G Poppe
22	CSC	401	Analysis...	3	8/24/2020	12/16/2020	12:00-2...	Alternativ...	L Zuo
23	CSC	411	Artificial...	3	8/24/2020	12/16/2020	09:00-11...	Alternativ...	R Tanke...
24	CSC	451	Cloud Com...	3	8/24/2020	12/16/2020	0:00-11...	Alternativ...	[A. Zafar]
25	CSC	452	Data Ma...	3	8/24/2020	12/16/2020	2:30-6:4...	Alternativ...	A.Zafar...
26	CSC	471	Compiler...	3	8/24/2020	12/16/2020	7:00-8:1...	Alternativ...	L Zuo
27	CSC	481	Software...	3	8/24/2020	12/16/2020	2:30-6:4...	Alternativ...	B Hollister
28	CSC	492	Senior D...	3	8/24/2020	12/16/2020	7:00-9:4...	Alternativ...	[A Chatter]

Fig:AdminClass.jpg

Another admin page is the admin class, where the admin can have the right to access all class information and modified as required. Same as student information, admin cal has full authorization to admin the class or dele the class and modifying the class. For doing all the tasks, Id is the most important element because the other information is complete depending on the Id, so the admin has to use Id correctly. Also, the admin can see all the available classes in the right side table list.

ADMIN PAGE

HOME ACCOUNT ADVISOR LIST STUDENT LIST CALENDER CLASSES SIGN OUT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">ID</td> <td style="width: 30%;"><input type="text"/></td> <td style="width: 40%;">Advisors</td> </tr> <tr> <td>First_Name</td> <td><input type="text"/></td> <td><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID</th> <th>First_Name</th> <th>Last_Name</th> <th>Department</th> <th>Email</th> <th>Phone_No</th> </tr> </thead> <tbody> <tr><td>1</td><td>Mohsen</td><td>Beheshti</td><td>Professor and C.</td><td>mbeheshti@csudh.edu</td><td>310-243-3398</td></tr> <tr><td>2</td><td>Amilan</td><td>Chatterjee</td><td>Assistant Profes</td><td>a.chatterjee@csu...</td><td>310-243-3240</td></tr> <tr><td>3</td><td>Jianchao</td><td>Han</td><td>Professor</td><td>jhan@csudh.edu</td><td>310-243-2624</td></tr> <tr><td>4</td><td>Brad</td><td>Hollister</td><td>Assistant Profes</td><td>phollister@csud...</td><td>310-243-1023</td></tr> <tr><td>5</td><td>Emreca</td><td>Izquierdo</td><td>Assistant Profes</td><td>eizquierdo@csud...</td><td>310-243-2873</td></tr> <tr><td>6</td><td>Alli</td><td>Jalooli</td><td>Assistant Profes</td><td>ajalooli@csudh.e...</td><td>TBA</td></tr> <tr><td>7</td><td>Sanaz</td><td>Rahimi Moosav</td><td>CS</td><td>srahimi@moosav...</td><td>TBA</td></tr> <tr><td>8</td><td>Khondaker</td><td>Salehin</td><td>CS</td><td>salehin@csudh...</td><td>310-243-3882</td></tr> <tr><td>9</td><td>Marek</td><td>Suchenek</td><td>CS</td><td>suchenek@csudh...</td><td>310-243-3398</td></tr> <tr><td>10</td><td>Yan</td><td>Teng</td><td>CS</td><td>yteng@csudh.edu</td><td>310-243-3510</td></tr> <tr><td>11</td><td>LiuDong</td><td>Zuo</td><td>CS</td><td>lzuo@csudh.edu</td><td>310-243-3386</td></tr> <tr><td>12</td><td>Catherine</td><td>Uermány</td><td>MCA</td><td>cjermany1@csud...</td><td>111-222-3333</td></tr> <tr><td>13</td><td>Ana</td><td>Barragan</td><td>MCA</td><td>abaraganc@csud...</td><td>555-666-7777</td></tr> <tr><td>14</td><td>Arlin</td><td>Gonzalez</td><td>MCA</td><td>agonzale322@cs...</td><td>444-555-6666</td></tr> <tr><td>15</td><td>Karama</td><td>Blochhorn</td><td>MCA</td><td>kblochhorn@csu...</td><td>111-222-3333</td></tr> <tr><td>16</td><td>Jerrie</td><td>Jones</td><td>MCA</td><td>j.jones27@csud...</td><td>123-454-7890</td></tr> </tbody> </table> </td> </tr> <tr> <td>Email</td> <td><input type="text"/></td> </tr> <tr> <td>username</td> <td><input type="text"/></td> </tr> <tr> <td>password</td> <td><input type="text"/></td> </tr> <tr> <td>Phone_No</td> <td><input type="text"/></td> </tr> </table> <div style="text-align: center; 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Fig:AdminAdvisor.jpg

Another role for admin is the admin advisor page, where the admin has the right to modified the advisor information. Same as the class or student page, the admin can advise adding, deleting, and modifying. The right side admin can also see the advisor's available list in the form of a table.



Fig:AdminCalinder.JPG

The common page for all group admin, student, and advisor is a calendar page where everyone can see the current year, month, date, and time. It helps everyone to know the date. Besides this for the student, they have to use the calendar page to make the appointment.

4.1 Java Development

The application used for this project is Java Swing in Eclipse, which makes it easy to create Java GUI application. Using this framework reduces the time need to spend on coding because Java generate code for designer and layout tools. However, to make the application well responsive, need to write appropriate code.

4.1.1 Java Implementation

The beginning part of project is to connect database to Java database Connectivity. It is one of the essential parts to make application. By using JDBC, a developer would be able to establish connection with database and run through SQL commands by sending information to the database. Then interprets the results that come from database. It helps programmer to perform varies kind of operations such as create, read, update, search etc. Implementing calendar is one of the hardest jobs that has been done while creating this application. Calendar is all hard coded from years, months, days, and dates. There are three classes which are entirely coded and interrelated for calendar.

4.1.2 Java Challenges

There are few interfaces and classes that are used to connect to a database and perform JDBC API. To make it work everything needs to implement accurately, and that is where it becomes harder. The challenging part is each library needs to import thoroughly and accurately. The challenging part is to make calendar clickable while user clicking on the date. Once user click the date button, available advisors should pop up. To make this function work, created auto generated button.

4.2 MYSQL Development

Mysql workbench is used for storing and retrieving the data. In a database, rather than making many tables, schema helps to organize the collection of tables. So onlinesystem-schema is used to organized necessary tables. For connecting with other tables, many to many relations are used for required tables.

4.2.1 MYSQ Implementation

As Java is operating for everything, the java program needs to connect to the server using the MySQL client (MySQL), which must specify a user account and the server to which it will join. As connecting to a server on the same machine, the localhost's default on the port is 3306.Bell (2018). By using this port, the database can be accessed from the Java program. All tables have their unique key as the primary key, and those keys are used for making relations or accessing the table while needed.Reverse engineering helps to make EER relations with those tables and allows for connecting relations with those tables. When making EER relations based on compulsory or option relation were drawn.

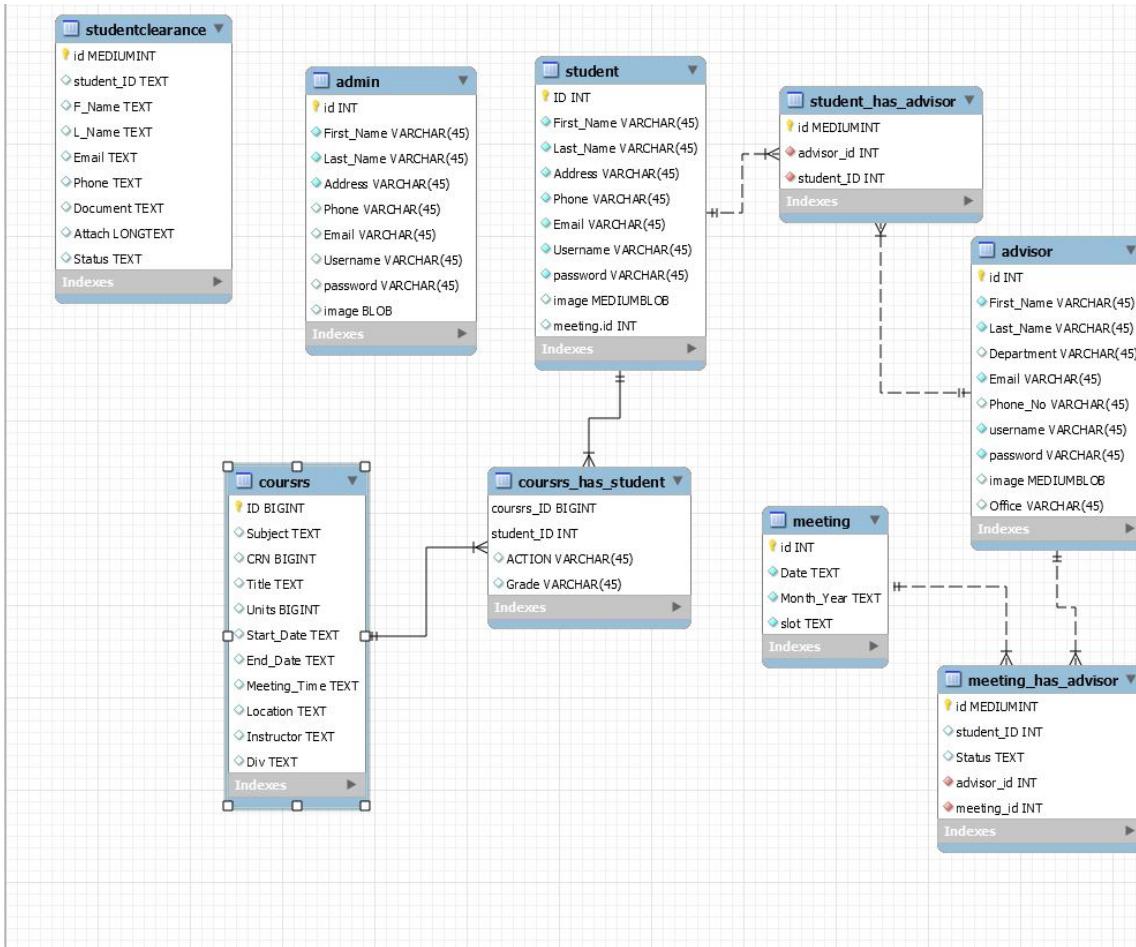


Fig:EER.jpg

The above picture is EER relation of onlinesystem scheme where some tables were connected, and some were not as the project's requirements. As seen in the above pictures, the broken line connected from one table to another is optional relations where a straight line is compulsory, and some table does not need any relation because it is required by the project, not by the MySQL. After creating the table entity - a list of the table data was filled in and retrieved information from the California State University Dominguez Hills's computer science department such as advisor list, classes that offer from CSUDH, and so on.

4.2.2 MYSQL Challenges

When doing this project at the beginning, all data is not in the same format. When accessing and modifying the data, the same data type should be used, but when mistakenly

different data types were used for calling, then the database data is corrupt and unable to be retrieved next time the entities were rebuilt. When the relation was not made the correct way, data were not accessed the right way, so the relation between the table was rebuilt appropriately. Another challenge for the DBMS is when accessing data from multiple filters, such as accessing many tables from inner join or subjoin, data duplication occurred, or data not retrieving was repeated much time. In such a condition, diagnosing the error part and figuring out is more time-consuming and critical thinking.

5 Conclusion & Future Work

The online advising application able to fulfill the purpose of the application. From making appointments to see the course list in detail, and also the notification in the home page. The thing that is in progress in the project is an email system, so the student or advisor can communicate through the same application. One-time authentication is also in progress. However, there were points where we had a struggle with setting an appointment with the calendar. So, to make the application more user-friendly and well responsive we would like to try the same project in a different language with different applications such as using HTML, CSS, and JavaScript. We used Java swing on this one, but in the future, we would also like to work with Java Spring Framework. To see how the browser would run instead of running from the application directly and to see how convenient it is for the user. Therefore, there is a lot that can be improved in this project to make it more functioning.

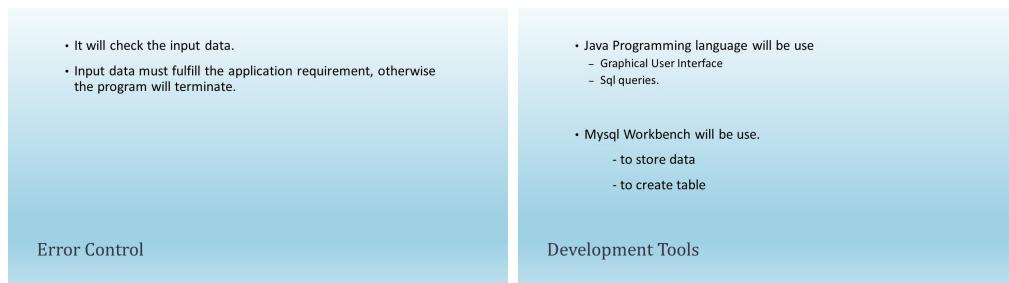
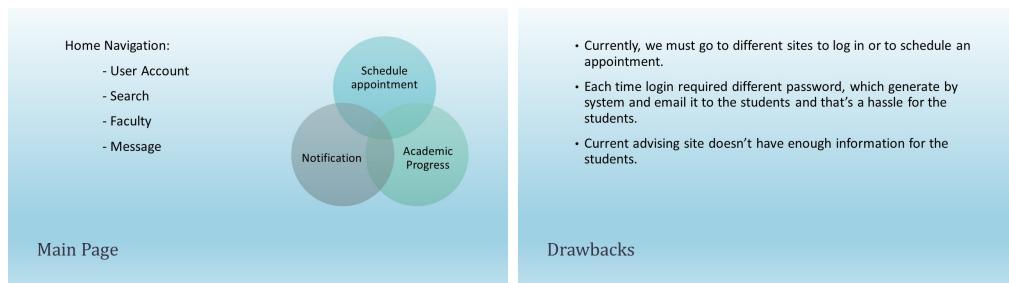
6 References

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- (2020). Jdk 15 documentation. <https://dev.mysql.com/doc/workbench/en/>.
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7 Appendix

7.1 Final Presentation



7.2 List of Figures

Student Screen

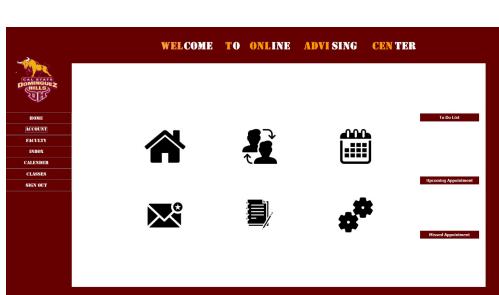


Fig:StudentMain Page.jpg

First_Name	Last_Name	std	Date	Month_Year
Aman	Chatterjee	103000 - 110000	10	December 2020

Appointment: _____

Schedule an appointment **Delete Appointment**

Fig: studentAppointment.jpg

AVAILABLE ADVISORS		
Mohsen Beheshti	Amran Chatterjee	Jiandao Han
Brad Hollister	Alireza Izaddoust	Ali Jaleel
Saraei Rahimi Hosseini	Khondaker Salehin	Marek Suchenek
Bin Tang	Liaodong Zuo	

To Do List

Upcoming Appointments

Manage Appointments

Home **Account** **Advisors** **Documents** **Calendar** **Classes** **Appointment** **Sign Out**

Fig:StudentAdvisor.jpg

ID	Std	First Name	Last Name	Email	Phone	Document	Status
10	103000	Sandeep	Pandey	sandeep@gmail.com	1098924		Active

To Do List

Upcoming Appointments

Manage Appointments

Home **Account** **Advisors** **Documents** **Calendar** **Classes** **Appointment** **Sign Out**

Fig:StudentDocument.jpg

Classes Detail		
Completed Classes		Upcoming Core Requirement Courses
CSCE 111	CSCE 112	CSCE 113
Upper Division Elective Courses		Upper Division Elective Courses
CSCE 331	CSCE 332	CSCE 333
Classes In Progress		Upcoming Elective Courses
CSCE 111	CSCE 112	CSCE 113
Upcoming Elective Courses		Upcoming Elective Courses
CSCE 331	CSCE 332	CSCE 333

To Do List

Upcoming Appointments

Manage Appointments

Home **Account** **Advisors** **Documents** **Calendar** **Classes** **Appointment** **Sign Out**

Fig:StudentClass.jpg

Student ID:	First Name	Last Name	Phone	Email ID	Image
100	Sandeep	Pandey	1098924	sandeep@gmail.com	

To Do List

Upcoming Appointments

Manage Appointments

Home **Account** **Advisors** **Documents** **Calendar** **Classes** **Appointment** **Sign Out**

Fig:Advisor.jpg

Advisor Screen

Student Details					
First Name	Last Name	Action			
Sandeep	Pandey	Update			
LIST OF APPOINTMENT					
Student ID	First Name	Last Name	Date	Month Year	Status
123	Sandeep	Pandey	10/30/00	11/00/00	10
ADVISOR					
First Name	Last Name	Action			
Amran	Chatterjee	Update			
CLASSES					
Course ID	Course Name	Action			
CSCE 111	CSCE 111	Update			
CSCE 112	CSCE 112	Update			
CSCE 113	CSCE 113	Update			
CSCE 331	CSCE 331	Update			
CSCE 332	CSCE 332	Update			
CSCE 333	CSCE 333	Update			
ADVISOR STUDENT INFOE					
First Name	Last Name	Action			
Sandeep	Pandey	Update			
STUDENT INFO					
First Name	Last Name	Action			
Sandeep	Pandey	Update			
CALENDAR					
Event Type	Event Description	Action			
Upcoming	Upcoming Events	Update			
APPOINTMENT					
Student ID	First Name	Last Name	Date	Month Year	Status
123	Sandeep	Pandey	10/30/00	11/00/00	10
SIGN OUT					

Fig:AdvisorStudentInfoe.jpg

id	First_Name	Last_name	std	Date	Month_Year	Status
123	Sandeep	Pandey	103000 - 110000	10	December 2020	Active

Appointment: _____

Complete

Delete Appointment

Fig: AdvisorAppointment.jpg

Admin Screen

...COMING TO ONLINE ADVISING CENTER

ADMIN PAGE

HOME
ACCOUNT
ADVISOR LIST
STUDENT LIST
CALENDER
CLASSES
APPOINTMENT
SIGN OUT

ID: _____
First Name: _____
Last Name: _____
Department: _____
Email: _____
username: _____
password: _____
Phone: _____

Students

ID	Frist Name	Last Name	Department	Email	Phone
1	John	Doe	Computer Science	john.doe@university.edu	123-456-7890
2	Jane	Doe	Computer Science	jane.doe@university.edu	123-456-7891
3	Mike	Jones	Electrical Engineering	mike.jones@university.edu	123-456-7892
4	Sarah	Jones	Electrical Engineering	sarah.jones@university.edu	123-456-7893
5	David	Smith	Mathematics	daavid.smith@university.edu	123-456-7894
6	Amy	Smith	Mathematics	amy.smith@university.edu	123-456-7895
7	Emily	Johnson	Physics	emily.johnson@university.edu	123-456-7896
8	Michael	Johnson	Physics	michael.johnson@university.edu	123-456-7897
9	Olivia	Wilson	Chemistry	olivia.wilson@university.edu	123-456-7898
10	William	Wilson	Chemistry	william.wilson@university.edu	123-456-7899
11	Isabella	Anderson	Biology	isabella.anderson@university.edu	123-456-7890
12	James	Anderson	Biology	james.anderson@university.edu	123-456-7891
13	Charlotte	Miller	Psychology	charlotte.miller@university.edu	123-456-7892
14	Matthew	Miller	Psychology	matthew.miller@university.edu	123-456-7893
15	Harper	Wilson	Sociology	harper.wilson@university.edu	123-456-7894
16	Benjamin	Wilson	Sociology	benjamin.wilson@university.edu	123-456-7895
17	Madison	Anderson	History	madison.anderson@university.edu	123-456-7896
18	Alexander	Anderson	History	alexander.anderson@university.edu	123-456-7897
19	Elizabeth	Miller	Mathematics	elizabeth.miller@university.edu	123-456-7898
20	Matthew	Miller	Mathematics	matthew.miller@university.edu	123-456-7899
21	Charlotte	Wilson	Physics	charlotte.wilson@university.edu	123-456-7890
22	Benjamin	Wilson	Physics	benjamin.wilson@university.edu	123-456-7891
23	Harper	Anderson	Chemistry	harper.anderson@university.edu	123-456-7892
24	Madison	Anderson	Chemistry	madison.anderson@university.edu	123-456-7893
25	Alexander	Miller	Biology	alexander.miller@university.edu	123-456-7894
26	Elizabeth	Miller	Biology	elizabeth.miller@university.edu	123-456-7895
27	Charlotte	Wilson	Psychology	charlotte.wilson@university.edu	123-456-7896
28	Benjamin	Wilson	Psychology	benjamin.wilson@university.edu	123-456-7897
29	Harper	Anderson	Sociology	harper.anderson@university.edu	123-456-7898
30	Madison	Anderson	Sociology	madison.anderson@university.edu	123-456-7899
31	Elizabeth	Miller	History	elizabeth.miller@university.edu	123-456-7890
1	Alexander	Miller	History	alexander.miller@university.edu	123-456-7891

Buttons: Insert, Delete, Update

Fig:AdminStudent.jpg

...COMING TO ONLINE ADVISING CENTER

ADMIN PAGE

HOME
ACCOUNT
ADVISOR LIST
STUDENT LIST
CALENDER
CLASSES
SIGN OUT

ID: _____
First Name: _____
Last Name: _____
Title: _____
Date: _____
Start Date: _____
End Date: _____
Meeting Time: _____
Location: _____
Comments: _____

Classes

ID	Subject	Section	CRN	Day	Time	Room	Instructor	Capacity	Enrollment
1	Math 101	A	123456789	M	10:00 AM - 11:15 AM	101	Dr. Smith	30	25
2	Math 101	B	123456790	T	10:00 AM - 11:15 AM	102	Dr. Johnson	30	25
3	Math 101	C	123456791	W	10:00 AM - 11:15 AM	103	Dr. Williams	30	25
4	Math 101	D	123456792	F	10:00 AM - 11:15 AM	104	Dr. Davis	30	25
5	Math 101	E	123456793	S	10:00 AM - 11:15 AM	105	Dr. Green	30	25
6	Math 101	F	123456794	SU	10:00 AM - 11:15 AM	106	Dr. Blue	30	25
7	Math 101	G	123456795	SU	10:00 AM - 11:15 AM	107	Dr. Red	30	25
8	Math 101	H	123456796	SU	10:00 AM - 11:15 AM	108	Dr. Purple	30	25
9	Math 101	I	123456797	SU	10:00 AM - 11:15 AM	109	Dr. Orange	30	25
10	Math 101	J	123456798	SU	10:00 AM - 11:15 AM	110	Dr. Yellow	30	25
11	Math 101	K	123456799	SU	10:00 AM - 11:15 AM	111	Dr. Brown	30	25
12	Math 101	L	123456800	SU	10:00 AM - 11:15 AM	112	Dr. Grey	30	25
13	Math 101	M	123456801	SU	10:00 AM - 11:15 AM	113	Dr. Black	30	25
14	Math 101	N	123456802	SU	10:00 AM - 11:15 AM	114	Dr. White	30	25
15	Math 101	O	123456803	SU	10:00 AM - 11:15 AM	115	Dr. Pink	30	25
16	Math 101	P	123456804	SU	10:00 AM - 11:15 AM	116	Dr. Teal	30	25
17	Math 101	Q	123456805	SU	10:00 AM - 11:15 AM	117	Dr. Cyan	30	25
18	Math 101	R	123456806	SU	10:00 AM - 11:15 AM	118	Dr. Magenta	30	25
19	Math 101	S	123456807	SU	10:00 AM - 11:15 AM	119	Dr. Indigo	30	25
20	Math 101	T	123456808	SU	10:00 AM - 11:15 AM	120	Dr. Violet	30	25
21	Math 101	U	123456809	SU	10:00 AM - 11:15 AM	121	Dr. Light Blue	30	25
22	Math 101	V	123456810	SU	10:00 AM - 11:15 AM	122	Dr. Light Magenta	30	25
23	Math 101	W	123456811	SU	10:00 AM - 11:15 AM	123	Dr. Light Indigo	30	25
24	Math 101	X	123456812	SU	10:00 AM - 11:15 AM	124	Dr. Light Cyan	30	25
25	Math 101	Y	123456813	SU	10:00 AM - 11:15 AM	125	Dr. Light Pink	30	25
26	Math 101	Z	123456814	SU	10:00 AM - 11:15 AM	126	Dr. Light Teal	30	25
27	Math 101	A	123456815	SU	10:00 AM - 11:15 AM	127	Dr. Light Magenta	30	25
28	Math 101	B	123456816	SU	10:00 AM - 11:15 AM	128	Dr. Light Indigo	30	25
29	Math 101	C	123456817	SU	10:00 AM - 11:15 AM	129	Dr. Light Cyan	30	25
30	Math 101	D	123456818	SU	10:00 AM - 11:15 AM	130	Dr. Light Pink	30	25
31	Math 101	E	123456819	SU	10:00 AM - 11:15 AM	131	Dr. Light Teal	30	25
32	Math 101	F	123456820	SU	10:00 AM - 11:15 AM	132	Dr. Light Magenta	30	25
33	Math 101	G	123456821	SU	10:00 AM - 11:15 AM	133	Dr. Light Indigo	30	25
34	Math 101	H	123456822	SU	10:00 AM - 11:15 AM	134	Dr. Light Cyan	30	25
35	Math 101	I	123456823	SU	10:00 AM - 11:15 AM	135	Dr. Light Pink	30	25
36	Math 101	J	123456824	SU	10:00 AM - 11:15 AM	136	Dr. Light Teal	30	25
37	Math 101	K	123456825	SU	10:00 AM - 11:15 AM	137	Dr. Light Magenta	30	25
38	Math 101	L	123456826	SU	10:00 AM - 11:15 AM	138	Dr. Light Indigo	30	25
39	Math 101	M	123456827	SU	10:00 AM - 11:15 AM	139	Dr. Light Cyan	30	25
40	Math 101	N	123456828	SU	10:00 AM - 11:15 AM	140	Dr. Light Pink	30	25
41	Math 101	O	123456829	SU	10:00 AM - 11:15 AM	141	Dr. Light Teal	30	25
42	Math 101	P	123456830	SU	10:00 AM - 11:15 AM	142	Dr. Light Magenta	30	25
43	Math 101	Q	123456831	SU	10:00 AM - 11:15 AM	143	Dr. Light Indigo	30	25
44	Math 101	R	123456832	SU	10:00 AM - 11:15 AM	144	Dr. Light Cyan	30	25
45	Math 101	S	123456833	SU	10:00 AM - 11:15 AM	145	Dr. Light Pink	30	25
46	Math 101	T	123456834	SU	10:00 AM - 11:15 AM	146	Dr. Light Teal	30	25
47	Math 101	U	123456835	SU	10:00 AM - 11:15 AM	147	Dr. Light Magenta	30	25
48	Math 101	V	123456836	SU	10:00 AM - 11:15 AM	148	Dr. Light Indigo	30	25
49	Math 101	W	123456837	SU	10:00 AM - 11:15 AM	149	Dr. Light Cyan	30	25
50	Math 101	X	123456838	SU	10:00 AM - 11:15 AM	150	Dr. Light Pink	30	25
51	Math 101	Y	123456839	SU	10:00 AM - 11:15 AM	151	Dr. Light Teal	30	25
52	Math 101	Z	123456840	SU	10:00 AM - 11:15 AM	152	Dr. Light Magenta	30	25
53	Math 101	A	123456841	SU	10:00 AM - 11:15 AM	153	Dr. Light Indigo	30	25
54	Math 101	B	123456842	SU	10:00 AM - 11:15 AM	154	Dr. Light Cyan	30	25
55	Math 101	C	123456843	SU	10:00 AM - 11:15 AM	155	Dr. Light Pink	30	25
56	Math 101	D	123456844	SU	10:00 AM - 11:15 AM	156	Dr. Light Teal	30	25
57	Math 101	E	123456845	SU	10:00 AM - 11:15 AM	157	Dr. Light Magenta	30	25
58	Math 101	F	123456846	SU	10:00 AM - 11:15 AM	158	Dr. Light Indigo	30	25
59	Math 101	G	123456847	SU	10:00 AM - 11:15 AM	159	Dr. Light Cyan	30	25
60	Math 101	H	123456848	SU	10:00 AM - 11:15 AM	160	Dr. Light Pink	30	25
61	Math 101	I	123456849	SU	10:00 AM - 11:15 AM	161	Dr. Light Teal	30	25
62	Math 101	J	123456850	SU	10:00 AM - 11:15 AM	162	Dr. Light Magenta	30	25
63	Math 101	K	123456851	SU	10:00 AM - 11:15 AM	163	Dr. Light Indigo	30	25
64	Math 101	L	123456852	SU	10:00 AM - 11:15 AM	164	Dr. Light Cyan	30	25
65	Math 101	M	123456853	SU	10:00 AM - 11:15 AM	165	Dr. Light Pink	30	25
66	Math 101	N	123456854	SU	10:00 AM - 11:15 AM	166	Dr. Light Teal	30	25
67	Math 101	O	123456855	SU	10:00 AM - 11:15 AM	167	Dr. Light Magenta	30	25
68	Math 101	P	123456856	SU	10:00 AM - 11:15 AM	168	Dr. Light Indigo	30	25
69	Math 101	Q	123456857	SU	10:00 AM - 11:15 AM	169	Dr. Light Cyan	30	25
70	Math 101	R	123456858	SU	10:00 AM - 11:15 AM	170	Dr. Light Pink	30	25
71	Math 101	S	123456859	SU	10:00 AM - 11:15 AM	171	Dr. Light Teal	30	25
72	Math 101	T	123456860	SU	10:00 AM - 11:15 AM	172	Dr. Light Magenta	30	25
73	Math 101	U	123456861	SU	10:00 AM - 11:15 AM	173	Dr. Light Indigo	30	25
74	Math 101	V	123456862	SU	10:00 AM - 11:15 AM	174	Dr. Light Cyan	30	25
75	Math 101	W	123456863	SU	10:00 AM - 11:15 AM	175	Dr. Light Pink	30	25
76	Math 101	X	123456864	SU	10:00 AM - 11:15 AM	176	Dr. Light Teal	30	25
77	Math 101	Y	123456865	SU	10:00 AM - 11:15 AM	177	Dr. Light Magenta	30	25
78	Math 101	Z	123456866	SU	10:00 AM - 11:15 AM	178	Dr. Light Indigo	30	25
79	Math 101	A	123456867	SU	10:00 AM - 11:15 AM	179	Dr. Light Cyan	30	25
80	Math 101	B	123456868	SU	10:00 AM - 11:15 AM	180	Dr. Light Pink	30	25
81	Math 101	C	123456869	SU	10:00 AM - 11:15 AM	181	Dr. Light Teal	30	25
82	Math 101	D	123456870	SU	10:00 AM - 11:15 AM	182	Dr. Light Magenta	30	25
83	Math 101	E	123456871	SU	10:00 AM - 11:15 AM	183	Dr. Light Indigo	30	25
84	Math 101	F	123456872	SU	10:00 AM - 11:15 AM	184	Dr. Light Cyan	30	25
85	Math 101	G	123456873	SU	10:00 AM - 11:15 AM	185	Dr. Light Pink	30	25
86	Math 101	H	123456874	SU	10:00 AM - 11:15 AM	186	Dr. Light Teal	30	25
87	Math 101	I	123456875	SU	10:00 AM - 11:15 AM	187	Dr. Light Magenta	30	25
88	Math 101	J	123456876	SU	10:00 AM - 11:15 AM	188	Dr. Light Indigo	30	25
89	Math 101	K	123456877	SU	10:00 AM - 11:15 AM	189	Dr. Light Cyan	30	25
90	Math 101	L	123456878	SU	10:00 AM - 11:15 AM	190	Dr. Light Pink	30	25
91	Math 101	M	123456879	SU	10:00 AM - 11:15 AM	191	Dr. Light Teal	30	25
92	Math 101	N	123456880	SU	10:00 AM - 11:15 AM	192	Dr. Light Magenta	30	25
93	Math 101	O							

7.3 List of Tables

1 • SELECT * FROM onlinesyntex.advisor;

Result Grid									
	First_Name	Last_Name	Department	Email	Phone_No	username	password	image	Office
1	Mohsen	Beheshti	Professor and Chair	mbeheshti@south.edu...	310-245-3766	nob	1234		NSH A-132
2	David	Chatterjee	Associate Professor	dchatterjee@south.edu...	310-245-3760	ari	1234		NSH A-133
3	Jianchao	Han	Professor	jhan@south.edu	310-245-3624	ja	1234		NSH A-133
4	Brad	Hollister	Assistant Professor	bholister@south.edu	310-245-3023	rem	1234		NSH B218
5	Alireza	Izdebski	Assistant Professor	ai@cs.south.edu...	310-245-2873	bra	1234		NSH E115
6	Zhen	Jiang	Associate Professor	zj@south.edu	310-245-3625	ali	1234		NSH E115
7	Sanaat	Rahim Mousavi	CS	srahim@south.edu...	TBA				
8	Khondaker	Saleem	CS	ksaleem@south.edu	310-245-3888				
9	Parik	Singh	CS	psingh@south.edu...	310-245-3888				
10	Bei	Tang	CS	btang@south.edu	310-245-2550				
11	Ludong	Zuo	CS	lzuo@south.edu	310-245-3386				
12	Catherine	Jenny	MCA	cgermany@south.edu...	111-222-3333				
13	Caroline	Terrian	MCA	cterrian@south.edu...	111-222-3333				
14	Arlin	Gonzalez	MCA	agonzalez22@south...	444-555-6666				
15	Karina	Bladhorn	MCA	kbladhorn@south...	111-222-3333				
16	Jennie	Jones	MCA	jones21@south.edu...	123-454-7890				
17									
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36									

Table: Advisor

ID	Subject	COD	Title	Units	Start Date	End Date	Meeting_Time	Location	Instructor	Div
7	CSC	251	Self Topics in Computer Science	3	8/24/2020	12/16/2020	11:30-12:45 PM	TBA-TBA Staff	D	D
8	CSC	251	Artistic And Innovative Org	3	8/24/2020	12/16/2020	2:30-3:45 PM	Alternativ	H McCullough	LDE
9	CSC	251	C Lang Prog And Unix	3	8/24/2020	12/16/2020	4:00-5:15 PM	Alternativ	G Poppe	LDE
10	ITC	251	System Program in C & Unix	3	8/24/2020	12/16/2020	4:00-5:15 PM	Alternativ	G Poppe	LDE
11	CSC	255	Dynamic Programming	3	8/24/2020	12/16/2020	11:30-12:45 PM	Alternativ	J Halasa	LDE
12	CSC	255	Software Structures	3	8/24/2020	12/16/2020	4:00-5:15 PM	Alternativ	R Rosenthal	LDE
13	CSC	300	Software Development	3	8/24/2020	12/16/2020	4:00-5:15 PM	Alternativ	R Rosenthal	LDE
14	CSC	301	Computers And Society	3	8/24/2020	12/16/2020	11:30-12:45 PM	Alternativ	M Schernek	LRC
15	ITC	310	IT Project Management	3	8/24/2020	12/16/2020	68:30-96:45 AM	Alternativ	W Koenigsberg	LDE
16	CSC	310	Computer Organization	3	8/24/2020	12/16/2020	9:30-10:45 AM	Alternativ	A Chatterjee	LRC
17	CSC	321	Programming Languages	3	8/24/2020	12/16/2020	1:30-2:45 PM	Alternativ	M McCaughey	LCR
18	CSC	331	Computer Organization	3	8/24/2020	12/16/2020	7:00-8:45 PM	Alternativ	K Sehlin	LCR
19	CSC	341	Operating Systems	3	8/24/2020	12/16/2020	4:00-5:15 PM	Alternativ	R Halster	LCR
20	CSC	341	Computer Architecture	3	8/24/2020	12/16/2020	11:30-12:45 PM	Alternativ	R Halster	LDE
21	ITC	399	IT Practice	3	8/24/2020	12/16/2020	08:30-11:15 AM	Alternativ	G Poppe	LCL
22	CSC	401	Analysis Of Algorithms	3	8/24/2020	12/16/2020	12:00-2:45 PM	Alternativ	J Zuo	LRC
23	CSC	411	Artificial Intelligence	3	8/24/2020	12/16/2020	09:00-11:45 AM	Alternativ	R Tenenbaum	LCL
24	CSC	411	Cloud Computing	3	8/24/2020	12/16/2020	12:00-2:45 PM	Alternativ	R Tenenbaum	LCL
25	CSC	433	Data Management	3	8/24/2020	12/16/2020	9:30-10:45 PM	Alternativ	A Tadevosyan	LCL
26	CSC	471	Compiler Construction I	3	8/24/2020	12/16/2020	7:00-8:15 PM	Alternativ	J Zuo	LRC
27	CSC	481	Software Engineering	3	8/24/2020	12/16/2020	9:30-10:45 PM	Alternativ	R Halster	LRC
28	CSC	481	Software Engineering	3	8/24/2020	12/16/2020	11:30-12:45 PM	Alternativ	R Halster	LDE
29	ITC	492	Senior Design	3	8/24/2020	12/16/2020	7:00-9:45 PM	Alternativ	A Chatterjee	LRC
30	CSC	495	Selected Topics:	3	8/24/2020	12/16/2020	7:00-9:45 PM	Alternativ	J Han	LCL
31	CSC	500	Research Methods	3	8/24/2020	12/16/2020	TBA	TBA-TBA Staff	LDE	
32	CSC	500	Statistical Methods	3	8/24/2020	12/16/2020	12:00-2:45 PM	Alternativ	R Tenenbaum	LDE
33	CSC	501	Design And Analysis	3	8/24/2020	12/16/2020	12:00-2:45 PM	Alternativ	J Zuo	LRC
34	CSC	511	Advanced AI	3	8/24/2020	12/16/2020	12:00-2:45 PM	Alternativ	R Tenenbaum	LRC
35	CSC	511	Advanced Operating	3	8/24/2020	12/16/2020	7:00-8:45 PM	Alternativ	A Chatterjee	LRC
36	CSC	531	Advanced Networks	3	8/24/2020	12/16/2020	9:30-10:45 PM	Alternativ	R Halster	LRC
37	CSC	533	Advanced DBMS	3	8/24/2020	12/16/2020	TBA	TBA-TBA Staff	LDE	
38	CSC	581	Adv. Software Engineering	3	8/24/2020	12/16/2020	9:30-10:45 PM	Alternativ	R Tenenbaum	LRC
39	CSC	582	OO Analysis and Design	3	8/24/2020	12/16/2020	5:30-8:15 PM	Alternativ	R Halster	LDE
40	CSC	600	Software Engineering Principles	3	8/24/2020	12/16/2020	7:00-8:45 PM	Alternativ	J Han	LDE

Table: Class

1 • SELECT * FROM onlinesystem.meeting;

Result Grid			
	Date	Month_Year	slot
1	16	November, 2020	9:00:00 - 9:30:00
2	16	November, 2020	9:30:00 - 10:00:00
3	16	November, 2020	10:00:00 - 10:30:00
4	16	November, 2020	10:30:00 - 11:00:00
5	16	November, 2020	11:00:00 - 11:30:00
6	16	November, 2020	11:30:00 - 12:00:00
7	16	November, 2020	12:00:00 - 12:30:00
8	16	November, 2020	12:30:00 - 13:00:00
9	16	November, 2020	14:00:00 - 14:30:00
10	16	November, 2020	14:30:00 - 15:00:00
11	16	November, 2020	15:00:00 - 15:30:00
12	16	November, 2020	15:30:00 - 16:00:00
13	17	November, 2020	9:00:00 - 9:30:00
14	17	November, 2020	9:30:00 - 10:00:00
15	17	November, 2020	10:00:00 - 10:30:00
16	17	November, 2020	10:30:00 - 11:00:00
17	17	November, 2020	11:00:00 - 11:30:00
18	17	November, 2020	11:30:00 - 12:00:00
19	17	November, 2020	12:00:00 - 12:30:00
20	17	November, 2020	12:30:00 - 13:00:00
21	17	November, 2020	14:00:00 - 14:30:00
22	17	November, 2020	14:30:00 - 15:00:00
23	17	November, 2020	15:00:00 - 16:00:00
24	18	November, 2020	9:00:00 - 9:30:00
25	18	November, 2020	9:30:00 - 10:00:00
26	18	November, 2020	10:00:00 - 10:30:00
27	18	November, 2020	10:30:00 - 11:00:00
28	18	November, 2020	11:00:00 - 11:30:00
29	18	November, 2020	11:30:00 - 12:00:00
30	18	November, 2020	12:00:00 - 12:30:00
31	18	November, 2020	12:30:00 - 13:00:00
32	18	November, 2020	13:00:00 - 13:30:00
33	18	November, 2020	14:00:00 - 14:30:00
34	18	November, 2020	14:30:00 - 15:00:00
35	18	November, 2020	15:00:00 - 15:30:00
36	18	November, 2020	15:30:00 - 16:00:00

Table: Appointment Time Slot

Result Grid			
	student_ID	COURSES_ID	ACTION
5	100	T	A
5	101	T	A
6	100	T	A
6	101	T	A
7	100	T	A
7	101	T	A-
8	100	T	A
8	101	T	A
9	100	NP	HULL
9	101	NP	HULL
11	100	NP	HULL
11	101	NP	HULL
12	100	T	A
12	101	T	A
12	101	P	HULL
13	101	P	HULL
14	100	T	A
14	101	T	A
16	100	T	A
16	101	T	A
17	100	P	HULL
17	101	T	A
18	100	T	A
18	101	T	A
18	101	T	A
19	100	P	HULL
19	101	T	A
22	101	P	HULL
23	100	NP	HULL
23	101	NP	HULL
24	100	NP	HULL
24	101	NP	HULL
25	100	T	A
25	101	T	A
26	100	T	A
26	101	T	A
26	101	T	A

Table: Student with Grade</

```
1 • SELECT * FROM onlinesystem.meeting_has_advisor;
```

<u>id</u>	<u>meeting_id</u>	<u>advisor_id</u>	<u>student_ID</u>	<u>Status</u>
131	112	1	101	NULL
133	184	2	100	NULL
NULL	NULL	NULL	NULL	NULL

Table: Student Has Appointment

```
1 • SELECT * FROM onlinesystem.student;
```

<u>ID</u>	<u>First_Name</u>	<u>Last_Name</u>	<u>Address</u>	<u>Phone</u>	<u>Email</u>	<u>Username</u>	<u>password</u>	<u>image</u>	<u>meeting_id</u>
100	Surendra	Pandey	9876 Unknown St	1234567890	sposs@hotmail.com	sur	1234	NULL	NULL
101	Jamuna	adhikari	546 knott	7149783262	B@gmail.com	jan	1234	NULL	NULL
102	Pratik	adhikari	555 knott	7149783262	jan@gmail.com	bie	1234	NULL	NULL
103	Mary	Dubey	45 amazon	7149783262	md@gmail.com	dmn	1234	NULL	NULL
104	deepal	dahal	456 los altos	7148778262	ds@gmail.com	dm	1234	NULL	NULL
105	Nakul	thapa	456 los santos	7148778262	Ns@gmail.com	nak	1234	NULL	NULL
106	NULL	NULL	NULL	NULL	NULL	NULL	1234	NULL	NULL

Table: Student

```
1 • SELECT * FROM onlinesystem.student_has_advisor;
```

```
1 • SELECT * FROM onlinesystem.student_has_advisor;
```

Table: Student Advisor Appointment

```
1 • SELECT * FROM onlinesystem.studentclearance;
```

<u>id</u>	<u>student_ID</u>	<u>F_name</u>	<u>L_name</u>	<u>Email</u>	<u>Phone</u>	<u>Document</u>	<u>Attach</u>	<u>Status</u>
1	100	Surendra	Pandey	sposs@hotmail.com	1234567890	cv	another	Denied
2	100	Surendra	Pandey	sposs@hotmail.com	1234567890	another	another	Denied
3	100	Surendra	Pandey	sposs@hotmail.com	1234567890	another	another	Pending

Table: Student Documents