

Revision #: 2
SW Engineering CSC 648 / 848 Fall 2019

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Milestone 2:

GatorDater

Team 204 (local):

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Milestone	Version	Date Submitted For Review
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Milestone 2	1	10/24/2019
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Data Definitions V2

Users: User can be registered or unregistered.

1. **Registered User - Student:** Registered user who is able to browse classes and schedule office hours with a professor.
2. **Registered User - Professor:** Registered user who is able to allocate hours for office hour scheduling and manage his/her appointments.
3. **Unregistered User - Guest:** Unregistered user who has the ability to search for professors and view their available office hours.
4. **Administrator:** A registered user who has the ability to ban users, create and delete appointments, and blacklist email addresses.

Application:

1. **Calendar:** Calendar to display scheduled office hours associated with students and professors
 - a. **Office Hour:** record of the date and time with professors name

Functional Requirements V2

For Registered Users:

- 1) Users shall be able to make an account
- 2) Users shall be able to login
- 3) Users shall be able to access the office hour page
- 4) Users shall be able to cancel their scheduled office hours appointment
- 5) Users should be able to edit profile
- 6) Users shall be able to specify which class they belong to

For Registered Users That Are Students:

- 1) Users shall be able to search for their professors
- 2) Users shall be able to reserve a time slot

For Registered Users That Are Professors:

- 1) Professor shall be able to post their available time slots.
- 2) Professor shall be able to restrict hours from being scheduled
- 3) Professor shall be able to specify which class is allowed to schedule office hours

System Tasks:

- 1) System shall make reserved time slots unavailable
- 2) System shall send an email when a user signs up
- 3) System shall add scheduled office hours to personal calendar
- 4) System shall check professor's calendar for free slots
- 5) System shall add selected office hours to professor's calendar
- 6) System shall send email to student and professor when office hours scheduled
- 7) System shall send email to student/professor when meeting cancelled.

Priorities

Priority 1:

- 1) User shall be able to make an account
- 2) User shall be able to login
- 3) User shall be able to logout
- 4) User shall be able to access the office hour scheduling page
- 5) User shall be able to search for professors
- 6) Users shall be able to update their name
- 7) Users shall be able to update their password
- 8) Users shall be able to declare whether they are a student or professor
- 9) Users shall be able to contact the developers for any issues
- 10) Users shall be able to view a professor's open time slots
- 11) Students shall be able to reserve a time slot with a professor
- 12) Students shall be able to cancel their time slot with a professor
- 13) Professors shall be able to cancel their appointment with a student
- 14) Professors shall be able to block office hour days and time
- 15) Professors shall be able to specify their free time slot
- 16) Professors shall be able to update their name
- 17) Professors shall be able to update their password
- 18) Professors shall be able to contact the developers for any issues
- 19) Professors shall be able to view their appointments with students on calendar

Priority 2:

- 1) Registered users can send messages to other registered users
- 2) Registered users can update their profiles
- 3) Registered users can add their courses
- 4) Professors shall be able to be verified by an admin

Priority 3:


- 1) Upon reservation/cancelation, notifications will be sent towards both registered users
- 2) Registered users can input events into calendar
- 3) Users can receive a text message notification on their phone
- 4) Professor shall get an alert notifying the end of an appointment

UI Mockups and Storyboards

Navbar:



- Home
- Update/Courses (depending on Professor/Student status)
- Calendar
- Inbox
- Help
- **Register/Login/Logout:** Popup in the top right corner.

Login Page:



Gator Dater

Schedule Office Hours with Your Professor!




Welcome to Gator Dater!

Email


Password

Login

Don't have an account? **Create** 



Need help Logging in, Click here!

You can create an account by clicking this on the login page to register an account



Gator Dater


Schedule Office Hours with Your Professor!



Welcome to Gator Dater!

Email

Password

Login 

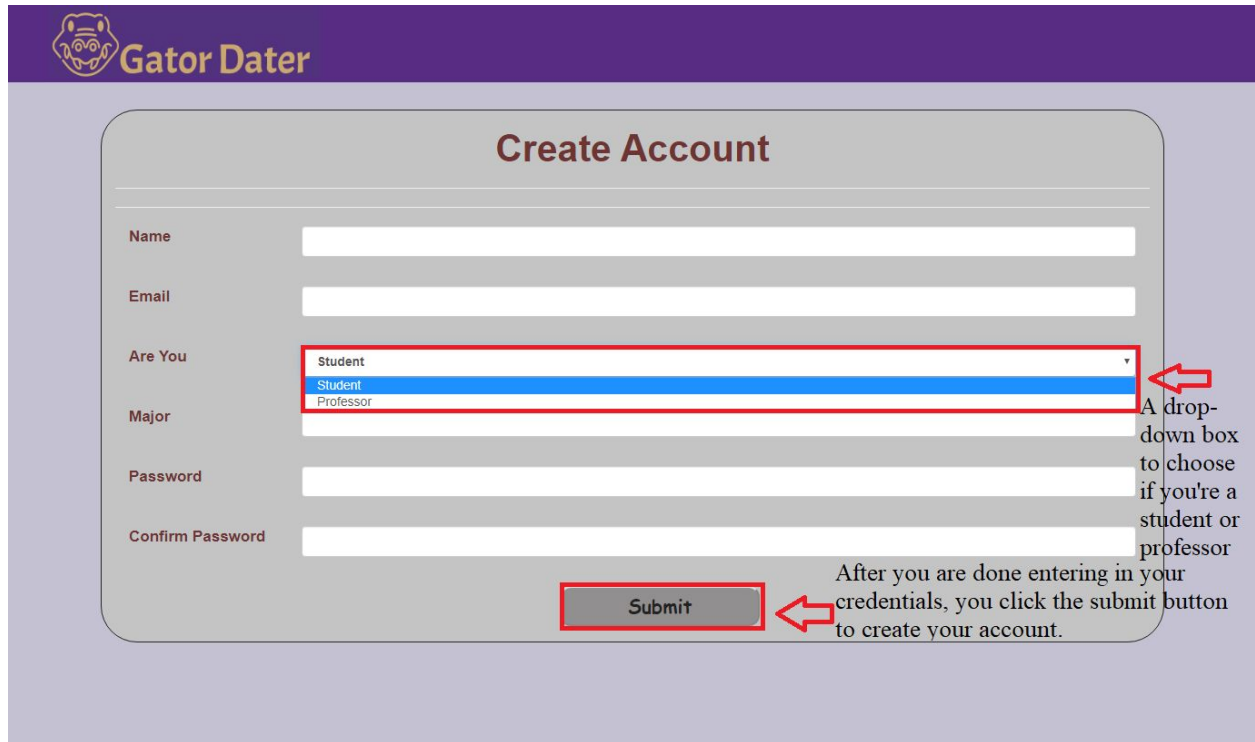
Don't have an account? **Create**

Need help Logging in, Click here!

The login button takes us to the homepage of our website

Register Page:

- Asks if the user has registered or not. If they have not, register them immediately after they enter in their information
- Option to take them to the home page if they have registered or skip to browse

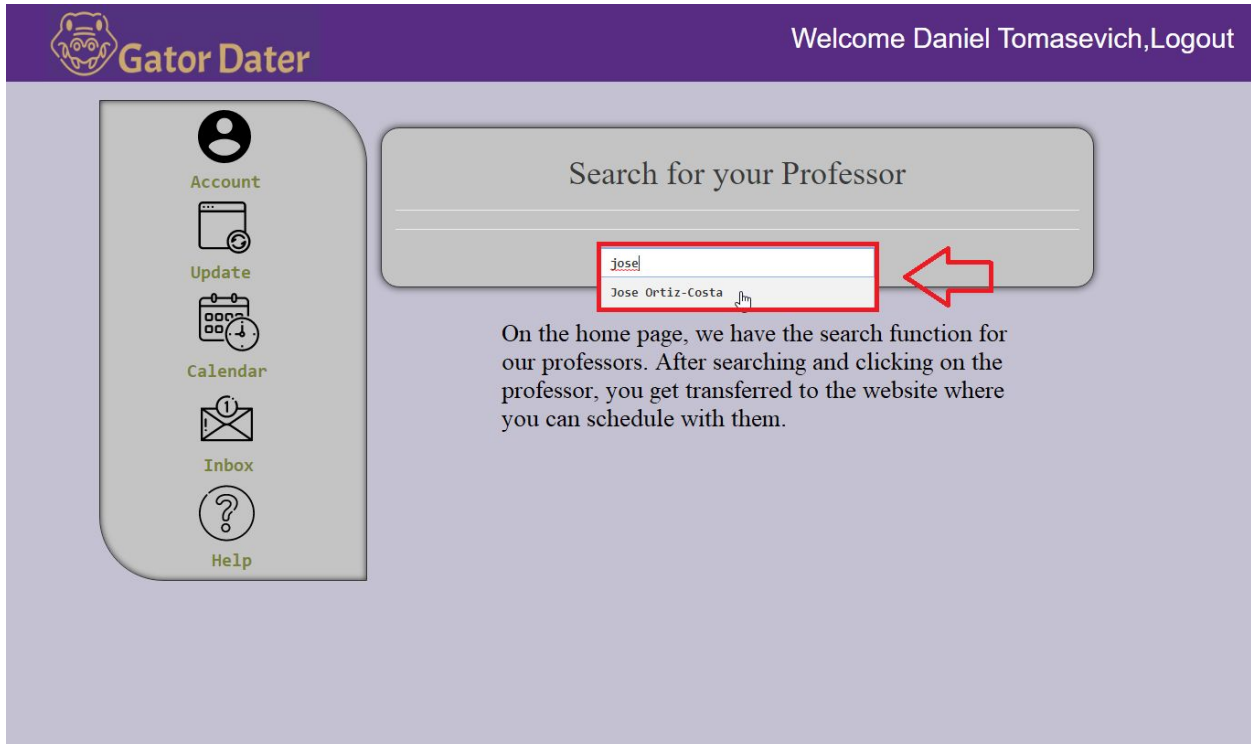


The screenshot shows the 'Create Account' form on the Gator Dater website. The form is titled 'Create Account' and includes the following fields:

- Name
- Email
- Are You: A dropdown menu with options 'Student', 'Student', and 'Professor'. The 'Student' option is highlighted in blue. A red arrow points to this dropdown menu.
- Major
- Password
- Confirm Password

A red box highlights the 'Submit' button at the bottom of the form. A red arrow points to this button. To the right of the form, there is a text annotation: 'A drop-down box to choose if you're a student or professor'. Below this, another text annotation reads: 'After you are done entering in your credentials, you click the submit button to create your account.'

User Home Page/Professor Search:



The screenshot shows the Gator Dater user home page. At the top, a purple header bar contains the Gator Dater logo on the left and the text "Welcome Daniel Tomasevich, Logout" on the right. Below the header, the page is divided into two main sections. On the left is a vertical sidebar with a light gray background and rounded corners. It contains five icons with corresponding labels: a person icon for "Account", a calendar icon for "Update", a calendar icon for "Calendar", an envelope icon for "Inbox", and a question mark icon for "Help". On the right is a large light gray rounded rectangle titled "Search for your Professor". Inside this rectangle is a search input field containing the text "jose". Below the input field, a dropdown menu is open, showing the search results "Jose Ortiz-Costa" with a small mouse cursor icon next to it. A red arrow points from the right side of the search bar towards the dropdown result. Below the search bar, there is a paragraph of text: "On the home page, we have the search function for our professors. After searching and clicking on the professor, you get transferred to the website where you can schedule with them."

Gator Dater Welcome Daniel Tomasevich, Logout

Search for your Professor

jose

Jose Ortiz-Costa

On the home page, we have the search function for our professors. After searching and clicking on the professor, you get transferred to the website where you can schedule with them.

Firstname	Lastname	Class	About
Jose	Ortiz-Costa	CSC 648	I have not set an about me text yet.

Currently, this is the page that you get directed to, but it will change in the future



User Scheduling Page:

First, we see a calendar with open time slots after clicking on a professor's name. Then we select the time slot a student wants and then get to book that time slot.

 **Gator Dater** Jacob Pluto, Logout


Account


Courses


Calendar



Inbox



Help


Daniel Tomasevich Hours


Today ← → January 2020 Week Month +


SUN	MON	TUES	WED	THURS	FRI	SAT
		1	2	3	4	5
6	7 Open	8	9 Open	10	11	12
13	14 Close	15	16 Open	17	18	19
20	21 Close	22	23 Open	24	25	26
27	28 Close	29	30 Open	31	1	2


 **Gator Dater** Jacob Pluto, Logout


Account






Courses


Calendar



Inbox


Help


Jan 7, 2020 - Monday


	3:00pm	Open	Add to your Calendar
	3:15pm	Close	
	3:30pm	Open	Add to your Calendar
	3:45pm	Open	Add to your Calendar


User Confirming Appointment:


**Gator Dater**


Jacob Pluto, Logout


Account


Courses


Calendar



Inbox


Help


Confirmation


Jan 7, 2020 - 3:30pm
Appointment with
Daniel Tomasevich
has been added to your Calendar.


User Cancelling Appointment:


**Gator Dater**


Jacob Pluto, Logout


Account


Courses


Calendar



Inbox


Help


Cancel


Jan 7, 2020 - 3:30pm
with
Daniel Tomasevich
has been Cancelled.


Professor Cancelling Appointment:


 **Gator Dater**


Daniel Tomasevich, Logout


Account


Update


Calendar



Inbox


Help


Confirmation


Jan 7, 2020 - 3:30pm


Are you sure you want to Cancel this appointment?
Please Confirm.


 **Gator Dater**


Daniel Tomasevich, Logout


Account


Update


Calendar


Inbox



Help

Cancel


Jan 7, 2020 - 3:30pm


Appointment with
Jacob Pluto
has been Cancelled.


Professor Update Page:


 **Gator Dater**


Welcome Daniel Tomasevich,Logout


Account


Update ←



Calendar


Inbox



Help


Search for your Professor


Next, we click on the update tab to update our calendar scheduling for professors


 **Gator Dater**


Welcome Daniel Tomasevich,Logout


Account


Update


Calendar


Inbox


Help

Update Availability

Please select date:

Please select Time:

Open/Close/Block ▾

Open

Close


Block

Submit


Here, we can select the date and time we want to open.


← This drop-down box is to choose either to open or close those time slots


Professor Calendar:


**Gator Dater**


Welcome Daniel To


Account


Update


Calendar



Inbox


Help


Search for your Professor


Start Typing Professor Name


Next, we click on the calendar to go to our monthly calendar.


**Gator Dater**


Daniel Tomasevich, Logout


Account


Update


Calendar


Inbox



Help

Today ← → January 2020 Week Month +


SUN	MON	TUES	WED	THURS	FRI	SAT
		1	2	3	4	5
6	7 Meeting at 3:30pm Cancel	8 Blocked Open	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2


Here, we can see blocked dates and meetings that have been scheduled


Student/Professor Inbox:


 **Gator Dater**


Welcome Daniel Tomasevich, Logout


Account


Update


Calendar



Inbox


Help


Search for your Professor


Start Typing Professor Name


The inbox will take you to your mailbox where you have messages from professors or notifications in general.


 **Gator Dater**


Jacob Pluto, Logout


Account


Courses


Calendar


Inbox



Help

Inbox


Your appointment has been accepted.


You cancelled your appointment with Daniel Tomasevich.


Professor/Student Help


 **Gator Dater**


Welcome Daniel Tomasevich, Logout


Account


Update


Calendar



Inbox


Help


Search for your Professor


Start Typing Professor Name


The help button leads you to where you can message the admins if a problem appears.


 **Gator Dater**


Daniel Tomasevich, Logout


Account


Update


Calendar


Inbox


Help

Help

Email:

Title:

Please type your message:

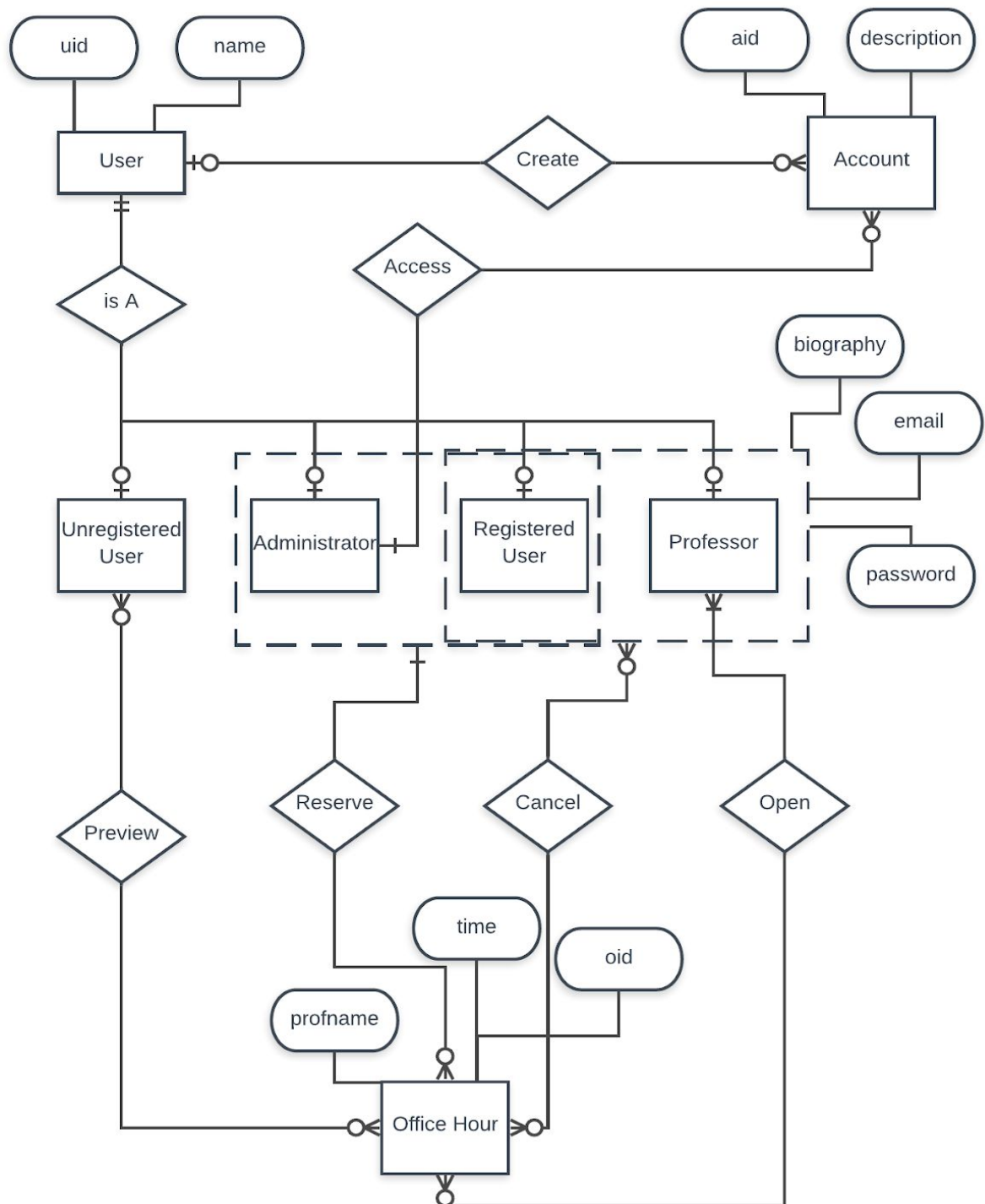
Submit

High Level Database Architecture and Organization

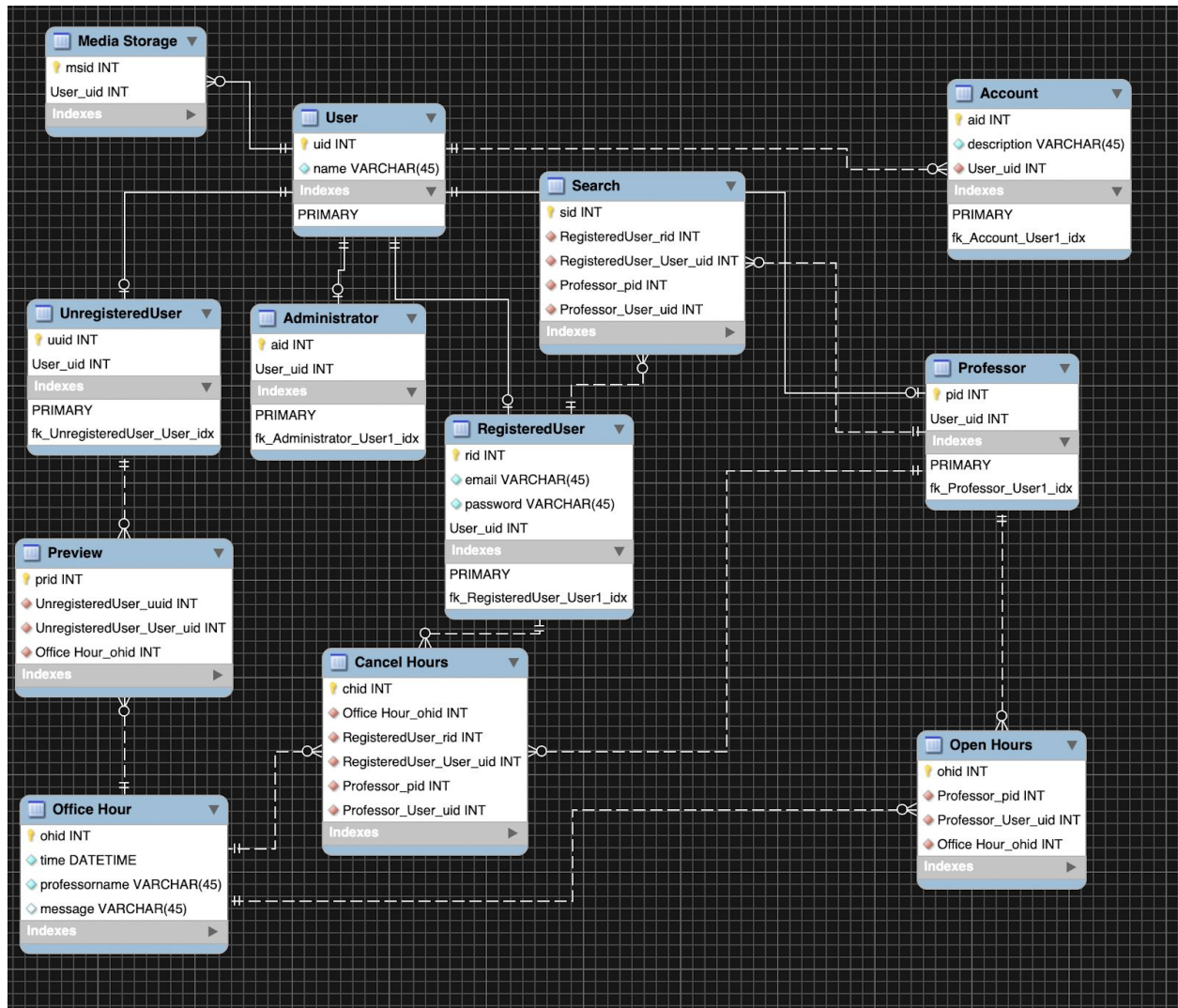
Business Rules :

1. Users can create multiple accounts
2. A registered user can reserve unlimited office hours
3. A professor can open multiple office hours
4. Each office hour is reserved by only one registered user
5. Unregistered users can preview unlimited office hours
6. A registered user can cancel unlimited office hours
7. A professor can cancel multiple office hours

ERD:



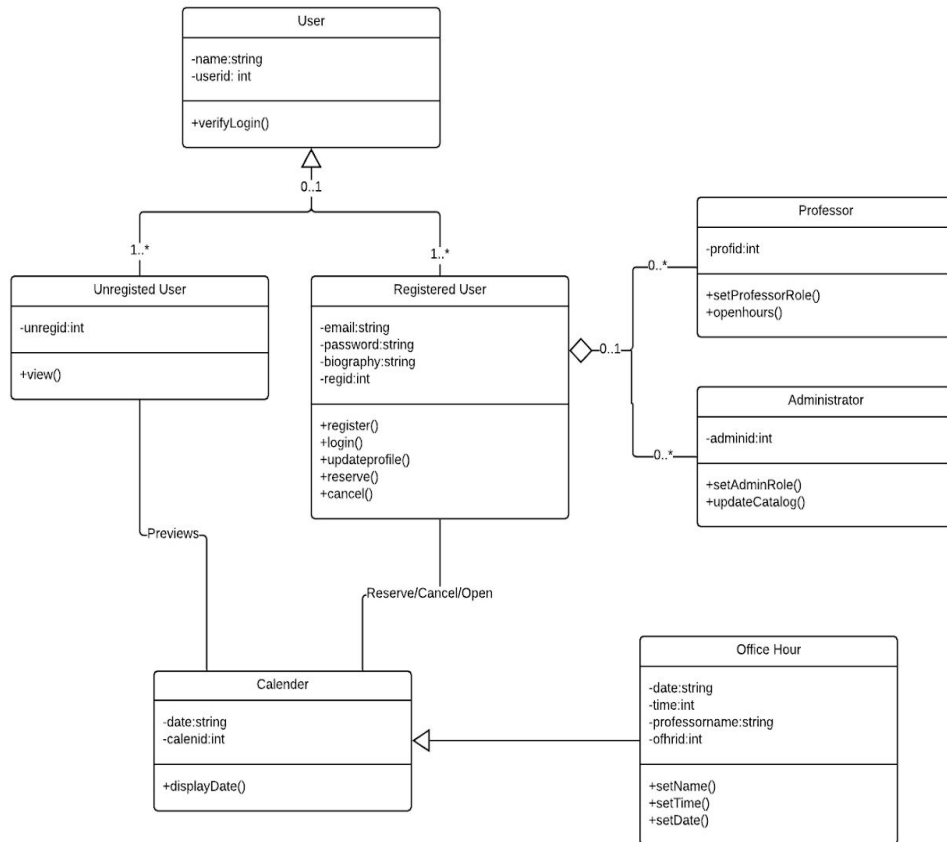
DB Model



High Level APIs and Main Algorithms

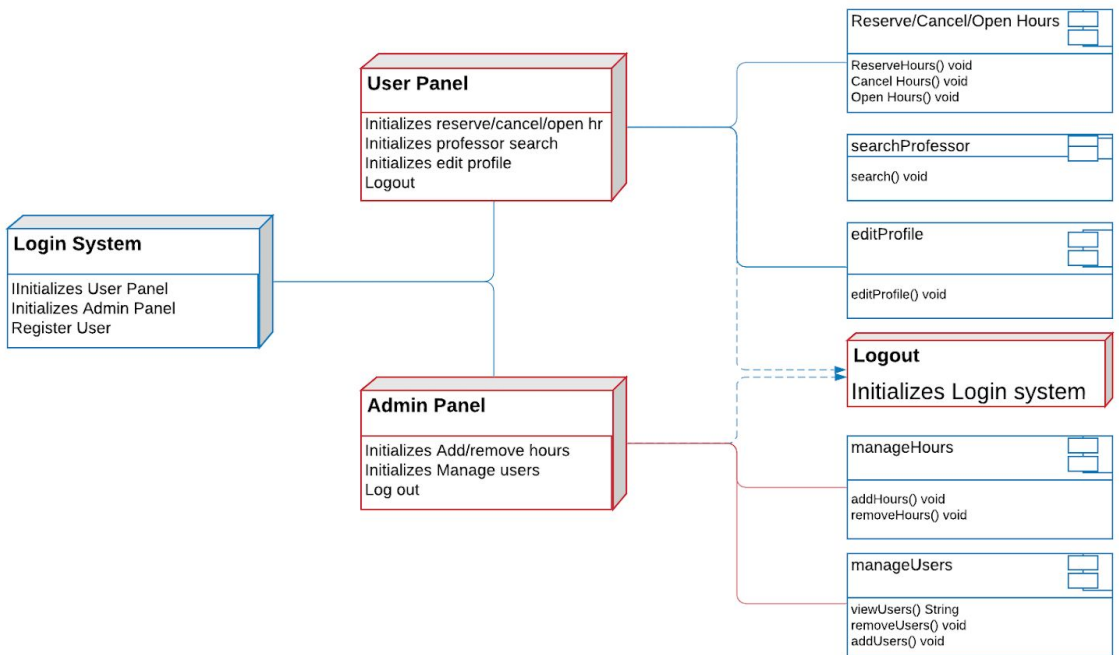
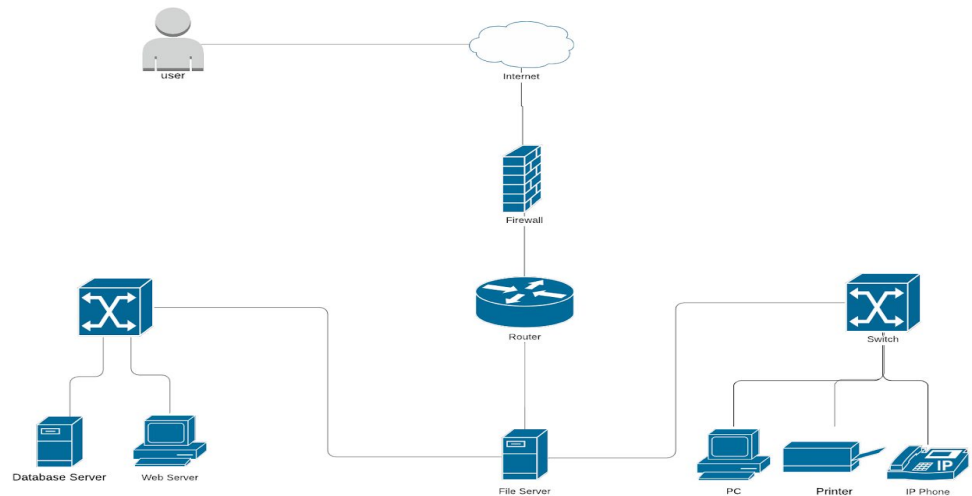
No real APIs are currently implemented or foreseen. Most of the backend communication will be via PHP -> MySQL connect and functions.

High Level UML Diagrams



The central class is the User. Associated with the User are an Unregistered User, Registered User, Professors and Administrator. Unregistered User are associated with only previewing the Calendar. While Registered User, Professor, and Administrator are able to reserve/cancel/open to a Calendar. The Calendar contains date each with associated office hour.

High Level Application Network and Deployment Diagrams



Current Risks

Skills risks: The team as a whole possesses the skills to complete all aspects of the project. Some members need to be helped out/brought up to speed on how to implement certain features, but as a whole we do have the knowledge to do so and educate everyone to bring them to the same level.

Schedule risks: So far, we have been able to meet all the deadlines and have our prototypes meet all of the requirements on time. No issues with the delivery schedule.

Technical risks: None so far.

Teamwork risks: None so far, each team member is putting in effort and doing their best.

Legal/content risks: None so far.

Project Management

For M2, I split the load of the front end and back end to their respective teams through the use of trello. Where I was able to notify the team on what needed to be worked on. My front end team worked on the UI Mockups/Storyboards and my back end team worked on the high level database architecture and organization. I helped both sub-teams with their tasks. I also put together the vertical prototype. Not much help was needed from the front end or back end team for this part as it was pretty simple for a single team member to put together. What we really need to do moving forward is to bring the whole team up to speed on the latest UI mockup tools such as Figma, which would have made our UI mockups look a lot nicer. Right now the mockups were built using paint and word. I'll be sure to have a meeting specifically for teaching team members about other tools we can use rather than solely focusing on getting the work done and distributing load.