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SW Engineering CSC 648 / 848 Fall 2019

Milestone 2:

GatorDater

Team 204 (local):

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

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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) 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 reserve a time slot
- 5) Professors shall be able to post their available time slot
- 6) System shall add schedules office hours to personal calendar
- 7) System shall add selected office hours to professor's calendar

Priority 2:

- 1) Users shall be able to edit profile
- 2) Users shall be able to search for their professor
- 3) Professor shall be able to restrict hours from being scheduled
- 4) System shall make reserved time slots unavailable
- 5) System shall check professor's calendar for free slot

Priority 3:

- 1) Users shall be able to specify which class they belong to
- 2) Professor shall be able to specify which class is allowed to schedule office hours
- 3) System shall send an email when a user signs up
- 4) System shall send email to student and professor when office hours scheduled
- 5) System shall send email to student and professor when meeting cancelled

UI Mockups and Storyboards

Navbar:

- Home(guide)
- Schedule Office Hours
- Your Booked Hours
- Notification Bell(idk if we know how to do this or need this)
- Register/Login/Logout: Popup in the top right corner.

Register Page:

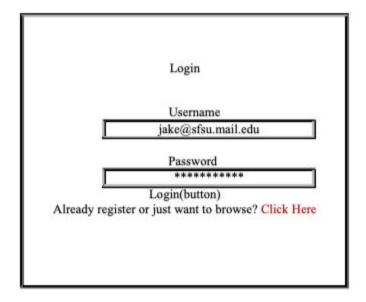
- Asks if the user has registered or not. If they have not, register them immediately after they enter in their information
- Option to take them to the home page if they have registered or skip to brows

Welcome to GatorDater

	Register	5.
email:		
username:		
password:		
Already reg	gistered or just want to browse? Click Here	
	gistered or just want to browse? Click Here	

Login Page:





User Home Page:

• A detailed step by step guide on how to use the app with pictures for the students



Welcome to the GatorDater Homepage

Step by step guide on how to use the program with pictures to be implemented

Professor Home Page:

Home	See Upcoming meetings	Update Availability	Welcome, Jake	Logout
	Welcome Pro	fessor Jake to	o GatorDater!	

User Schedule Page:

- Search bar for professor's name
- Make appointments per time slot on this page.
- Calendar with time slots will be blocked off(marked red and unselectable) if the slot is already booked

Home	Schedule Office Hours	Your Booked Hours	Welcome, (Name)	Logout
Vinte Street		March Control of the Control		

Schedule your office hours here

Search for your professor: Jack Jones

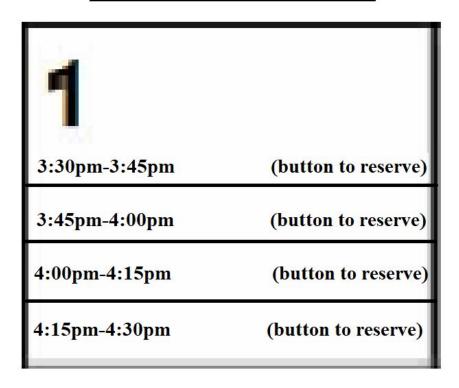
November 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Schedule your office hours here

Search for your professor: Jack Jones

No	November 2019						
SUN	МОМ	TUE	WED	THU	FRI	SAT	
					1 3:30pm - 4:30pm open slots	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	

Reserve your hours



Professor's Page(only professors and admin can see):

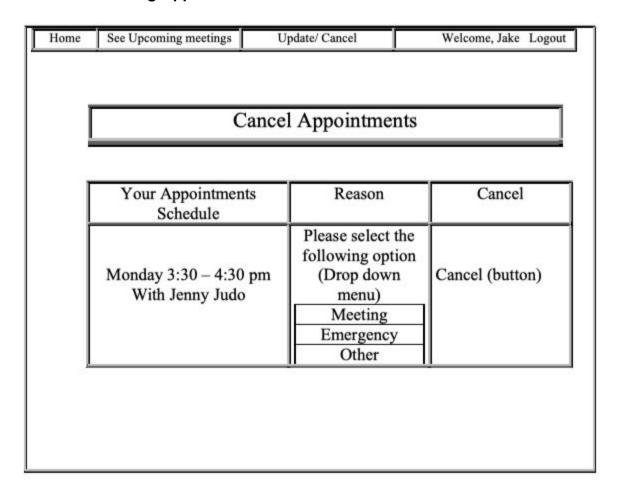
- Popup to tell professor if a student wants to reserve a time slot
- Button to accept a student's office hour appointment
- Button to deny a student's office hour appointment
- Button to provide a reason for cancelling appointment to student

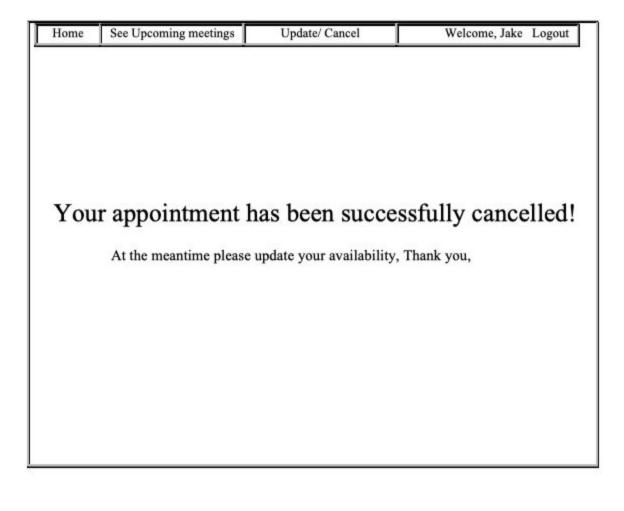
Professor Schedule/Calendar Page:

I		Upc	oming Mee	tings		
No	vemb	er 2	019			
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4 3:30 – 4:30 pm Jenny Judo	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Home	See Upcoming meetings	Update/ Cancel	Welcome, Jake Logou
	Lindata	Availability (butt	-m
	_ Opdate /	Availability (butto	011)
	CompalA		4
	Cancel A	ppointments (but	ton)

Professor Cancelling Appointment:





Professor Updating Availability:

		Upd	ate Availa	ability		
No	veml	oer 2	019			
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4 Open/Close (button)	5 Open/Close (button)	6 Open/Close (button)	7 Open/Close (button)	8 Open/Close (button)	9
10	11 Open/Close (button)	12 Open/Close (button)	13 Open/Close (button)	14 Open/Close (button)	15 Open/Close (button)	16
17	18 Open/Close (button)	19 Open/Close (button)	20 Open/Close (button)	21 Open/Close (button)	22 Open/Close (button)	23
24	25 Open/Close (button)	26 Open/Close (button)	27 Open/Close (button)	28 Open/Close (button)	29 Open/Close (button)	30

		Upo	date Availabili	ty
		Op	en/ Close Availabilit	у
Г	Date	I	Reason	Open/ Close Availability
411	h November Monday			Open (button) Close (button)

Home See Up	coming meetings	Update/ Cancel	Welcome, Jake Logout
	•		our availability!

Your Page(only students can see):

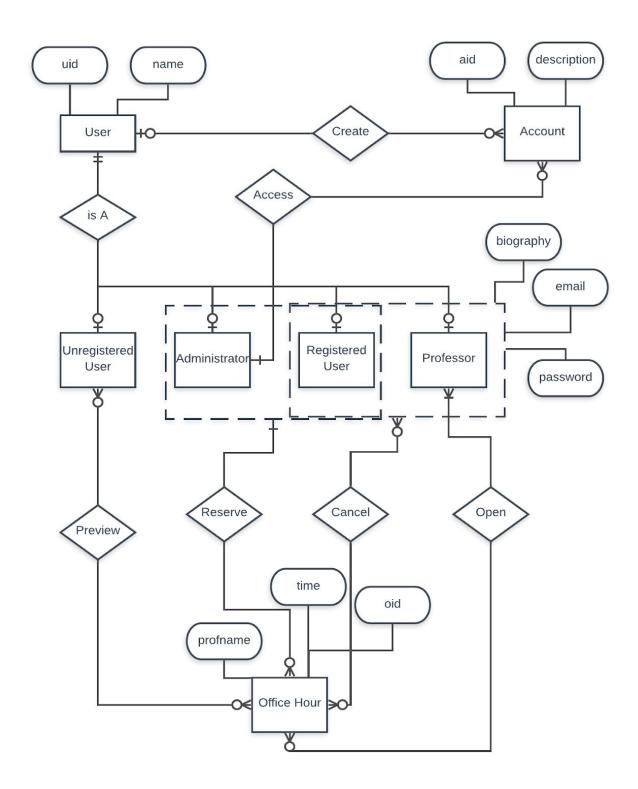
- 1. Notifies you on what professor you booked and what time slot you have.
- 2. Able to cancel their appointment if something comes up

Student Page	
	Confirmation:
	Your office hours with Professor Jack Jones has been confirmed!
	Cancel Button Cancel the appointment

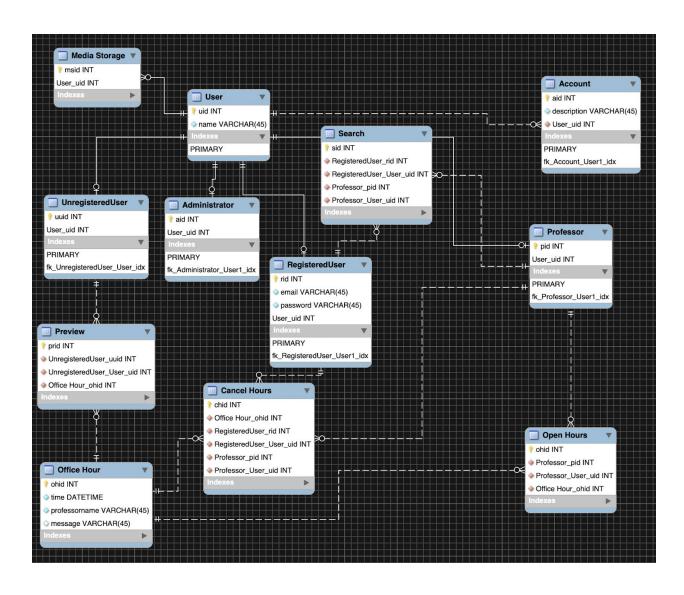
High Level Database Architecture and Organization

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



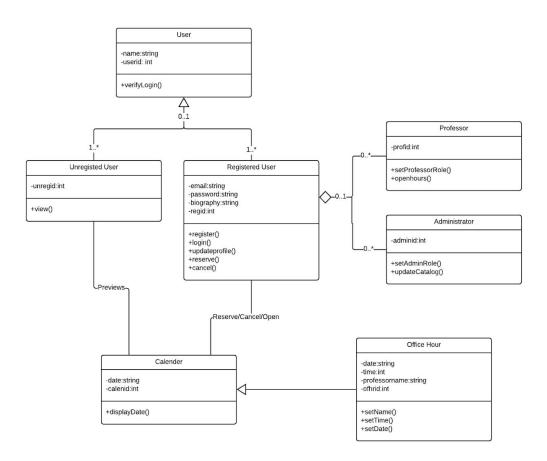
DB Model



High Level APIs and Main Algorithms

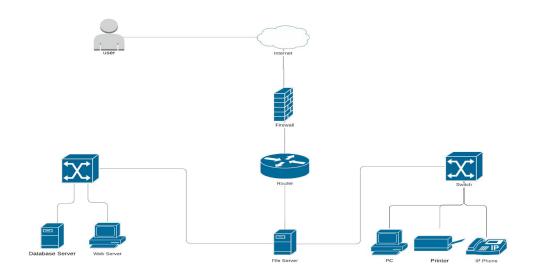
No real APIs are currently implemented or foreseen. Most of the backend communication will be via PHP -> MySQL connect and functions.

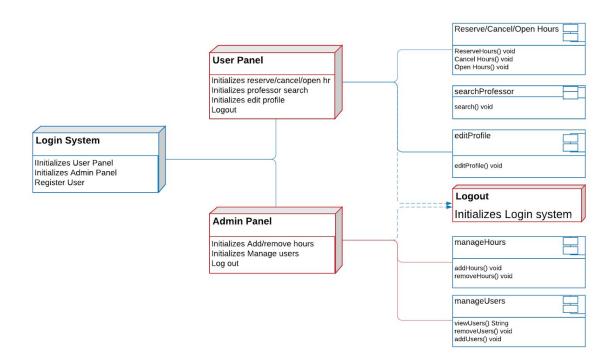
High Level UML Diagrams



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, Professors, and Administrator are able to reserve/cancel/open to a Calendar. The Calendar contains date each with its 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. 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.