

Class Project Phase IV
CSE 360

Team Number: 18

Team Members:.....

Sofia Mase

Sherwin Wang

Robert Sierra

Matthew Rutherford

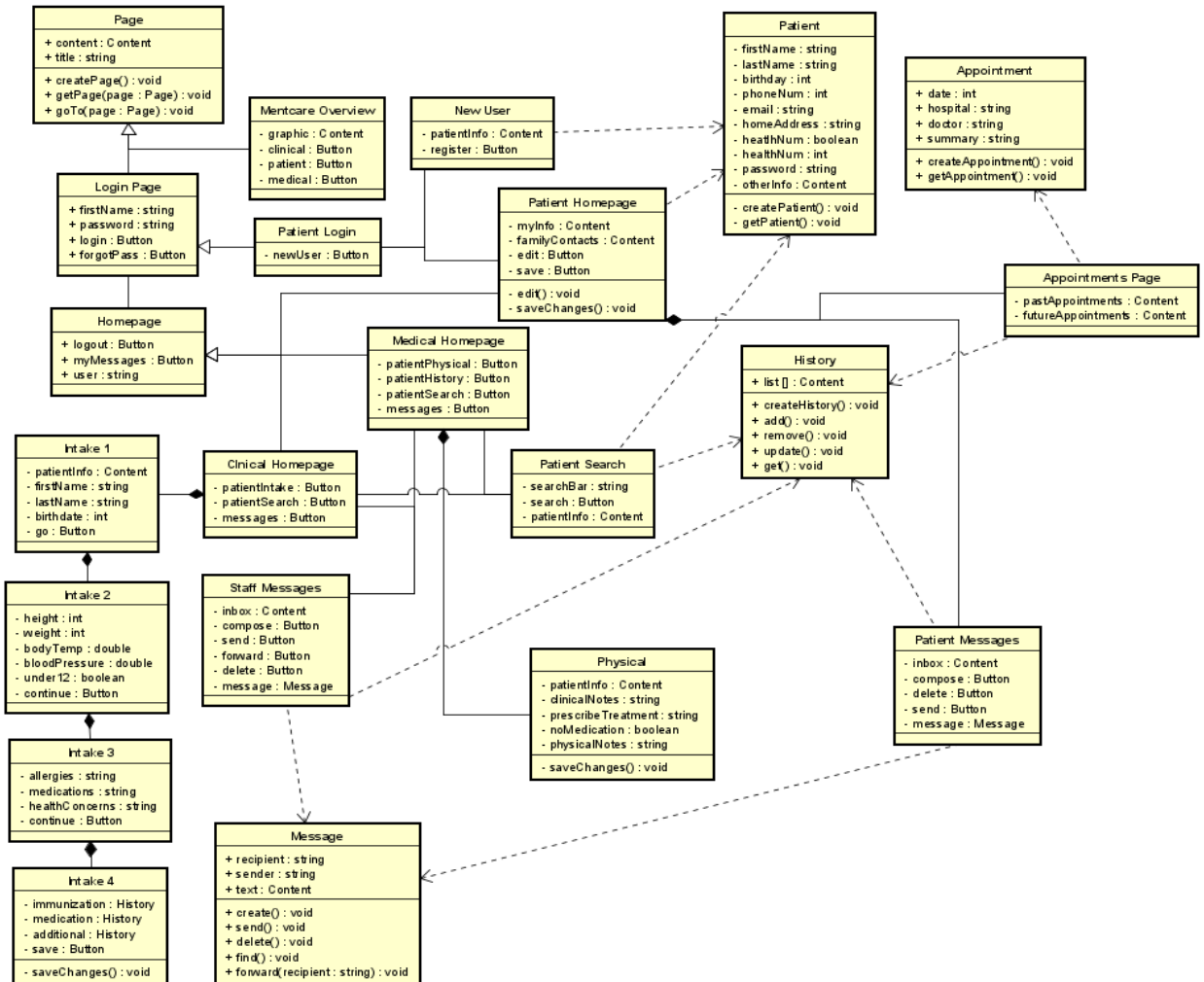
Bradley Maggs

- a) Link for a the technical presentation (around 15 minutes). You can record this as a YouTube video or upload your video to the google drive of your team leader or one of your team members and provide a link to the google drive video

Google drive or YouTube link here:

https://drive.google.com/file/d/1V_JFwx_Zh1DxEu5jC3ViR2Ucr0FZtJi/view?usp=sharing

- b) Final class diagram (copy and paste the Astah class diagram here).



- c) Testing report

Test Case #	Steps from Phase II (Scenario)	System Output	Passed(Y/N)
1	<ul style="list-style-type: none"> Click the clinical staff button Login with incorrect credentials 	Access denied	Y
2	<ul style="list-style-type: none"> click the clinical staff button login with the correct credentials 	Login successful, advance to respective page.	Y
3	<ul style="list-style-type: none"> Start at the patient login page New user After filling in information, click register 	New patient object created	Y
4	<ul style="list-style-type: none"> Navigate to the patient portal homepage Navigate to my appointments, then messages log out 	successfully navigate through portal homepage, then successfully log out.	Y
5	<ul style="list-style-type: none"> Navigate to patient portal homepage Edit family contacts Save 	Family contacts updated	N
6	<ul style="list-style-type: none"> Navigate to clinical staff homepage Enter first name, last name, and date of birth click Go 	Patient first and last name, and date of birth are all displayed on the top	Y
7	<ul style="list-style-type: none"> Navigate to second page of patient intake Enter info in all boxes except blood pressure, keep patient under 12 box unchecked click continue 	Please enter blood pressure popup, does not continue to next page.	N

8	<ul style="list-style-type: none"> ● Navigate to the second page of patient intake ● Enter info in all boxes except blood pressure, check patient under 12 box ● continue 	Successfully continue to next page.	N
9	<ul style="list-style-type: none"> ● Navigate to the third page of patient intake ● enter values in all fields ● navigate to the fourth page of patient intake ● enter values in all fields ● save 	Values should all be successfully saved	Y
10	<ul style="list-style-type: none"> ● navigate to patient search page ● enter last name, first name of patient in system ● click search 	patient object should appear	Y
11	<ul style="list-style-type: none"> ● navigate to staff message center ● compose message ● select recipient ● enter values into header and body ● send 	message object created, recipient should receive message	Y
12	<ul style="list-style-type: none"> ● navigate to staff message center ● click existing message ● delete 	message object deleted	Y
13	<ul style="list-style-type: none"> ● navigate to last page of patient intake ● sort medication by name 	medications should be sorted by name	N
14	<ul style="list-style-type: none"> ● navigate to last page of patient ● sort medication by date 	medications are sorted by date	N

Failed Test Cases and Recommended Solutions

5. For test 5, the user is to update family contacts. The family contact segment was not added to our final product, but patient info was able to be edited by patient.

7. No check box was added for underage patient, my recommended solution would be to add in a checkbox in Javafx, and add logic so that only the checkbox or the BP textbox can be used,

8. Same as 7.

13. There is no sorting medications for our patients, we ended up using a free textbox area to add in medication which works better in a situation where you're asking patients about medication use.

14. Same as 13.

d) Conclusions (No more than ½ page, single space 12 font size)

In conclusion, the Mentcare system is a comprehensive platform designed to facilitate the management of patient care and communication between clinical staff, medical staff, and patients. It consists of various pages with specific functionalities tailored to each user type.

During the semester, we learned how to coordinate as a team of engineers and design and build a functional prototype through collaboration. We learned to take a document of received requirements and brainstorm possible solutions and designs. Through these four iterations, our group brainstormed necessary and appropriate objects to include in our prototype, and we represented these objects in multiple applications of UML Diagrams.

As a whole, our team had a positive experience bouncing ideas off of one another and using said ideas as building blocks for our own. With the efforts of the group, we were able to document and build a user-friendly prototype successfully. Though we crossed the finish line at the end, we did have some trials and tribulations. The hardest part of this project was organizing our files in Git Hub and making sure we were all using the correct and complete code. This step did not work so well because it was difficult to ensure we were all up to date with the code. We would recommend that future CSE360 groups designate a "file keeper" on the team that is in charge of keeping track of the files uploaded to the git repository.

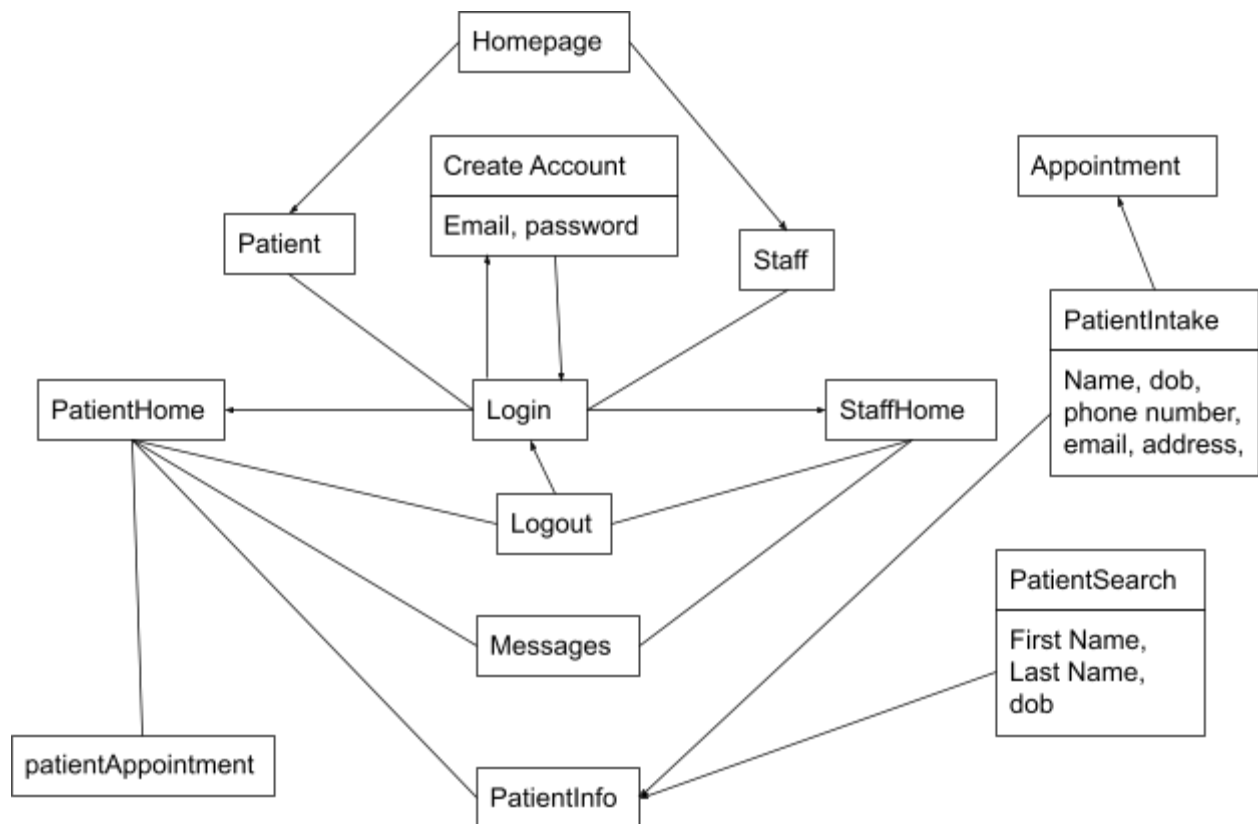
As a team, we collectively spent about 15+ hours coding our prototype. With 5 team members, we aimed to each cover at least 3 hours on our selective portion. By dividing the total work time, we were more successful in completing the prototype and sharing the work load.

e) Data Design (Extra Credit)

Identified data entities:

- Appointments
- Homepage
- Main
- Patient
- patientAppointment
- patientCreateAccount
- patientHome
- patientInfo
- patientIntake
- patientLogin
- patientMessage
- patientNavHandler
- Staffcreateaccount
- staffHome
- staffLogin
- staffMessages
- staffNavHandler
- staffPatientSearch

E-R diagram (you can use word or any software to draw the E-R diagram)



Credit Sheet

Team Member Name	Contributions
Sofia Mase	Conclusion, E-R Diagram (and Identified Data Entities), Phase 1 video
Sherwin Wang	Phase 3 part of presentation, original class diagram, editing final video.
Robert Sierra	Conclusion Video
Matthew Rutherford	Testing, plan for correction, summary video

Bradley Maggs	
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