Team: Naydel Lopez, Omar Solis

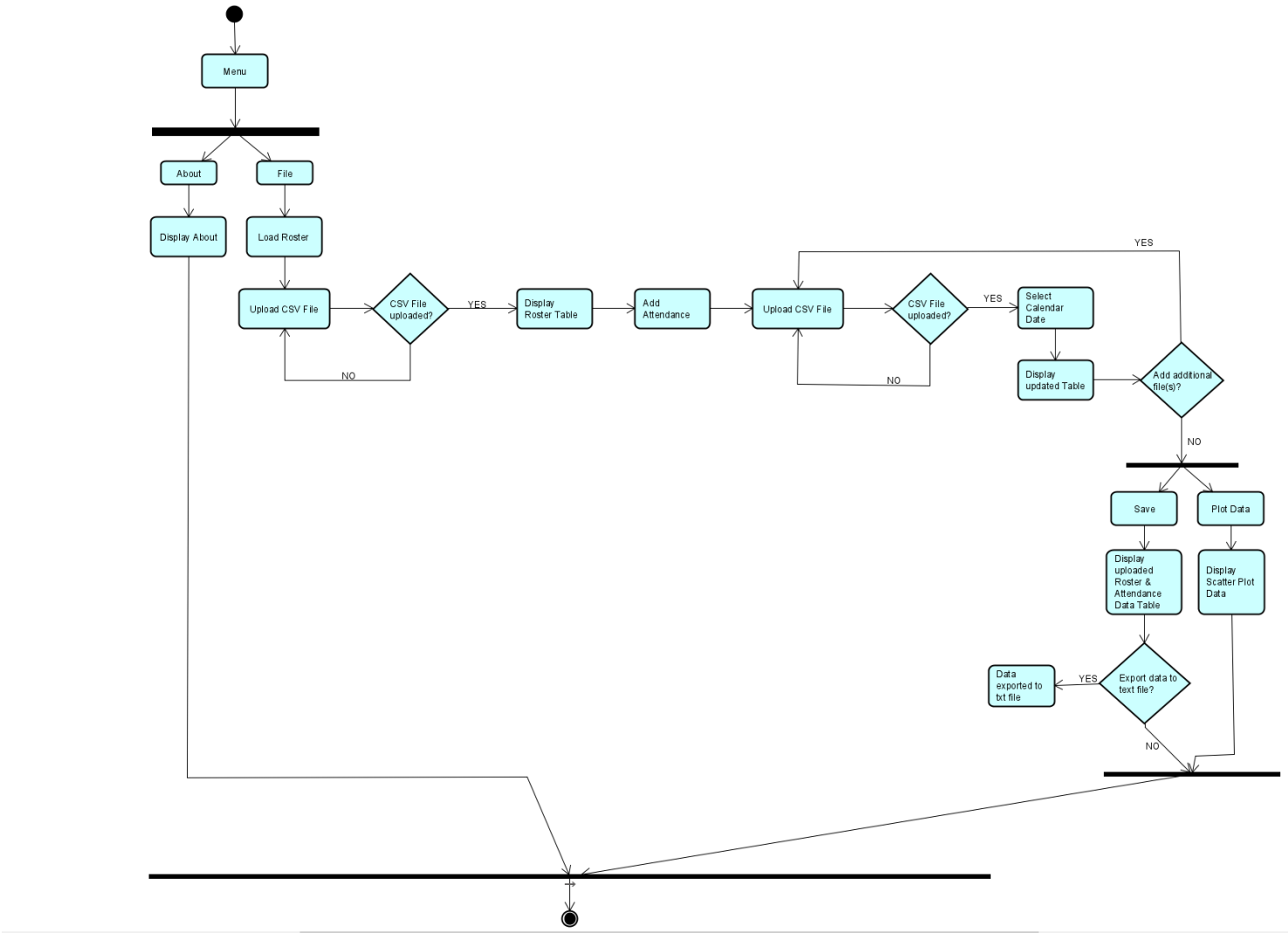
CSE 360 – Fall 2020

Project Report

Requirements:

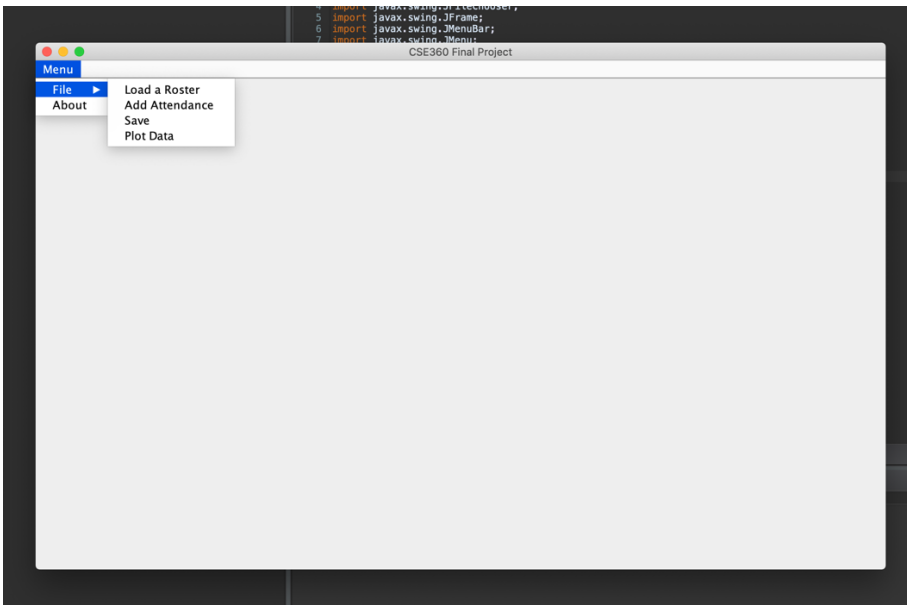
We decided to represent our requirements using an activity diagram.

Activity Diagram:

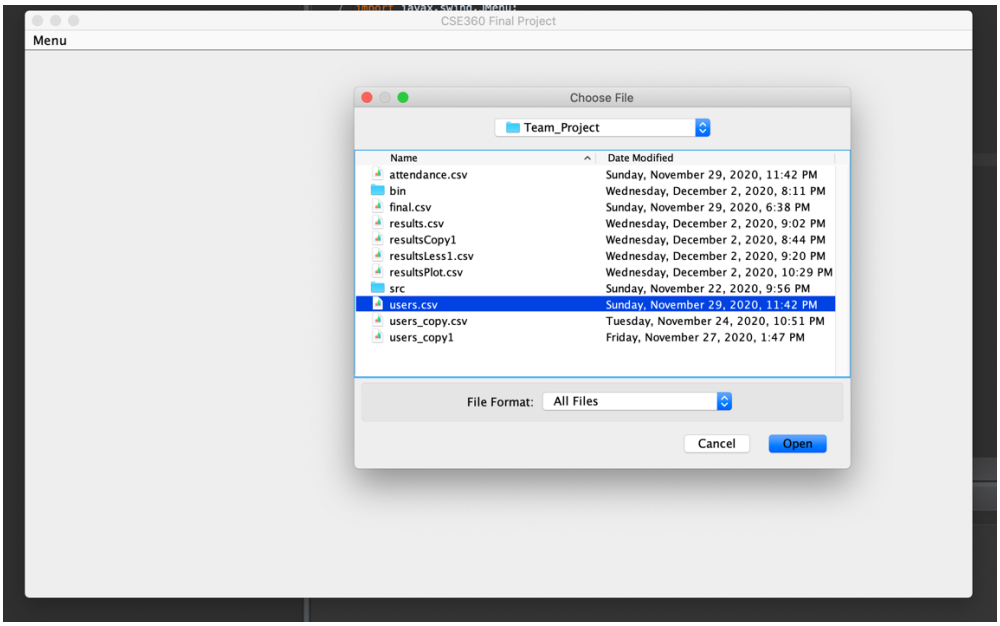


Screenshot(s):

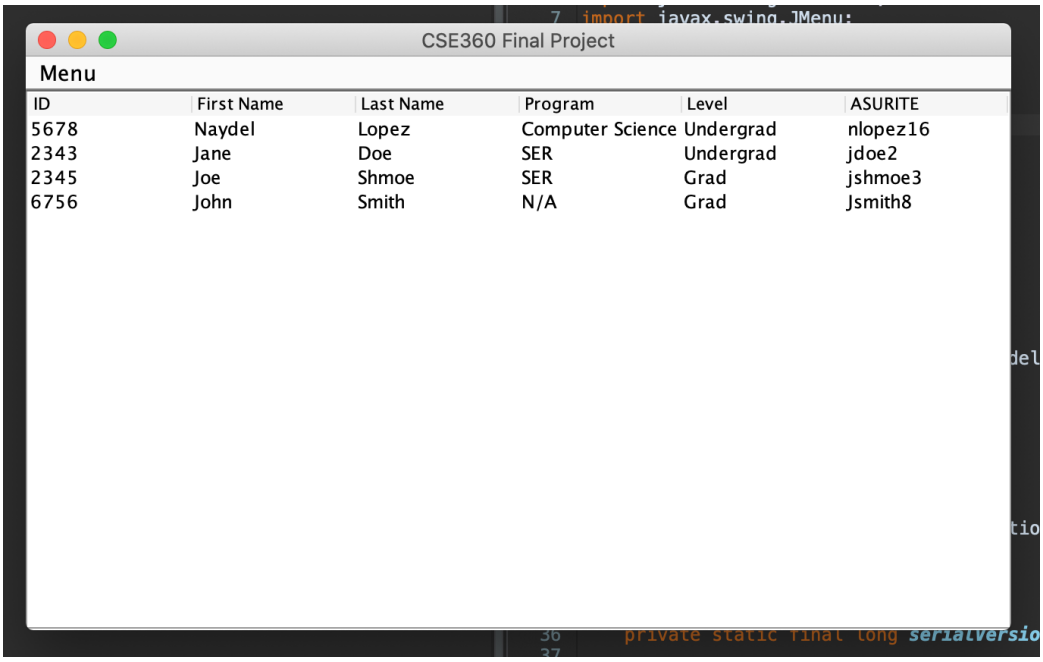
1) Initial Screen after compiling and running project. Clear Menu bar with appropriate items.



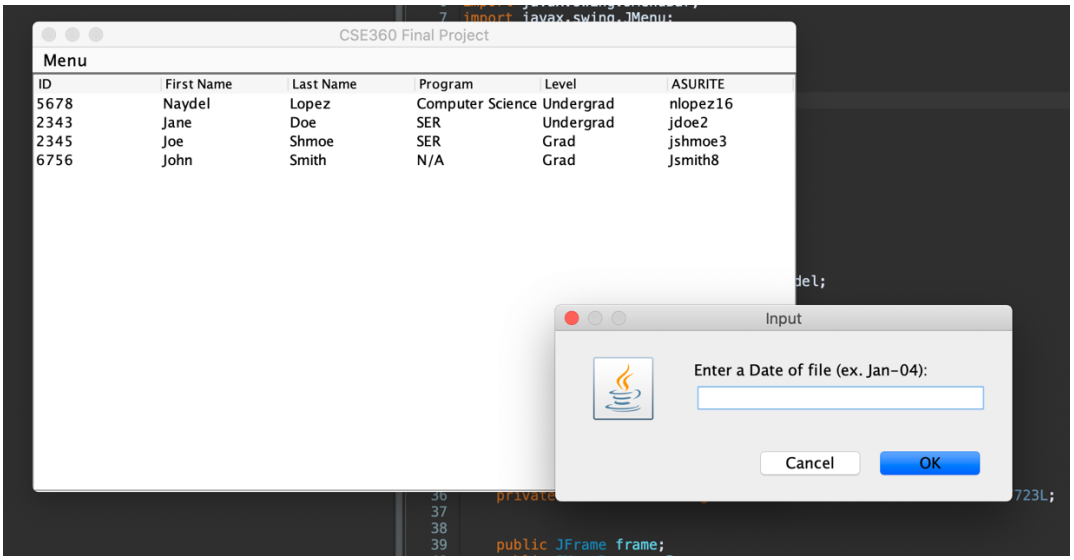
2) After clicking load roster, file chooser appears and takes a file input.



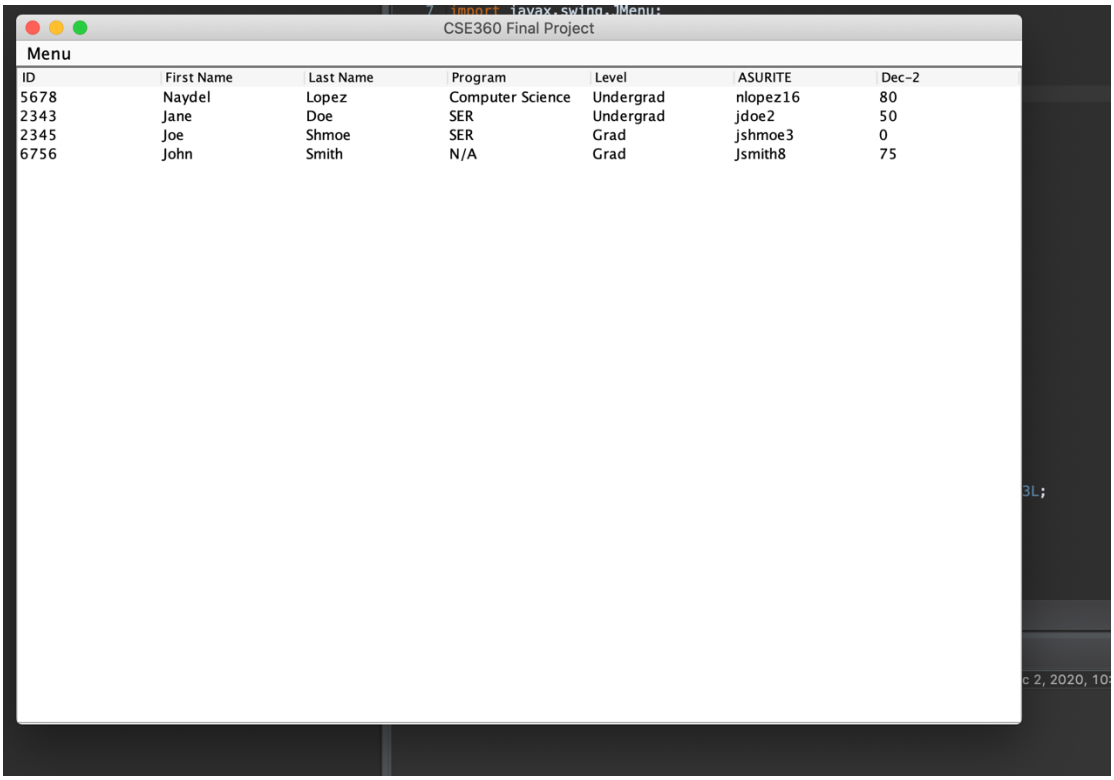
3) After loading “Users.csv” file with. Our mock roster we get a table with the appropriate info.



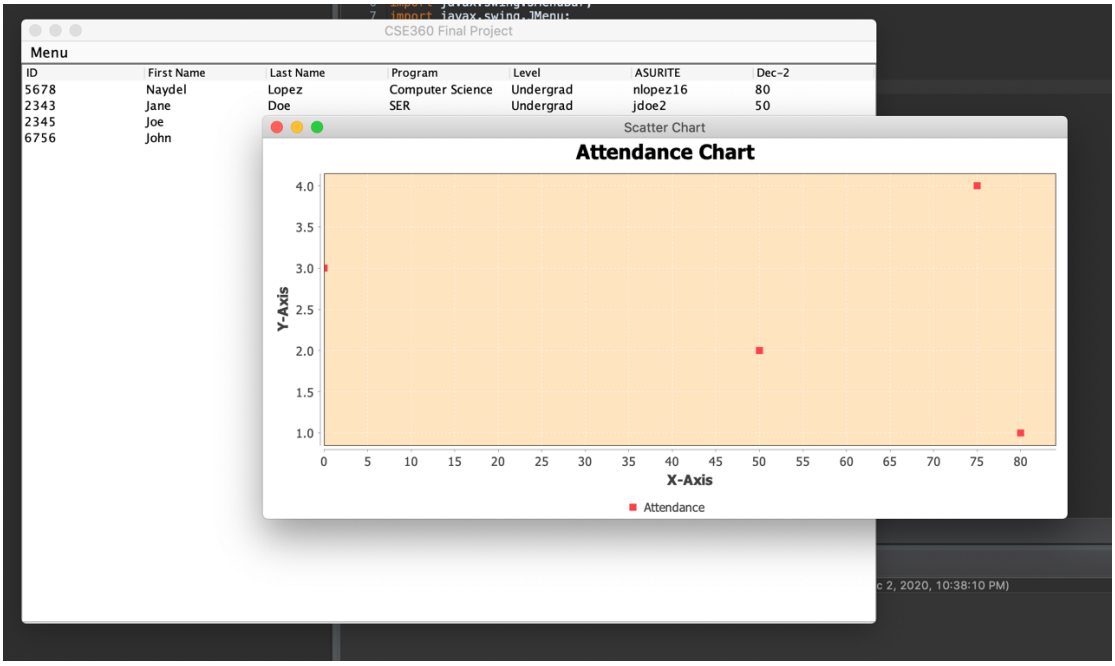
4) After clicking Add Attendance, we get a prompt accepting a date as input.



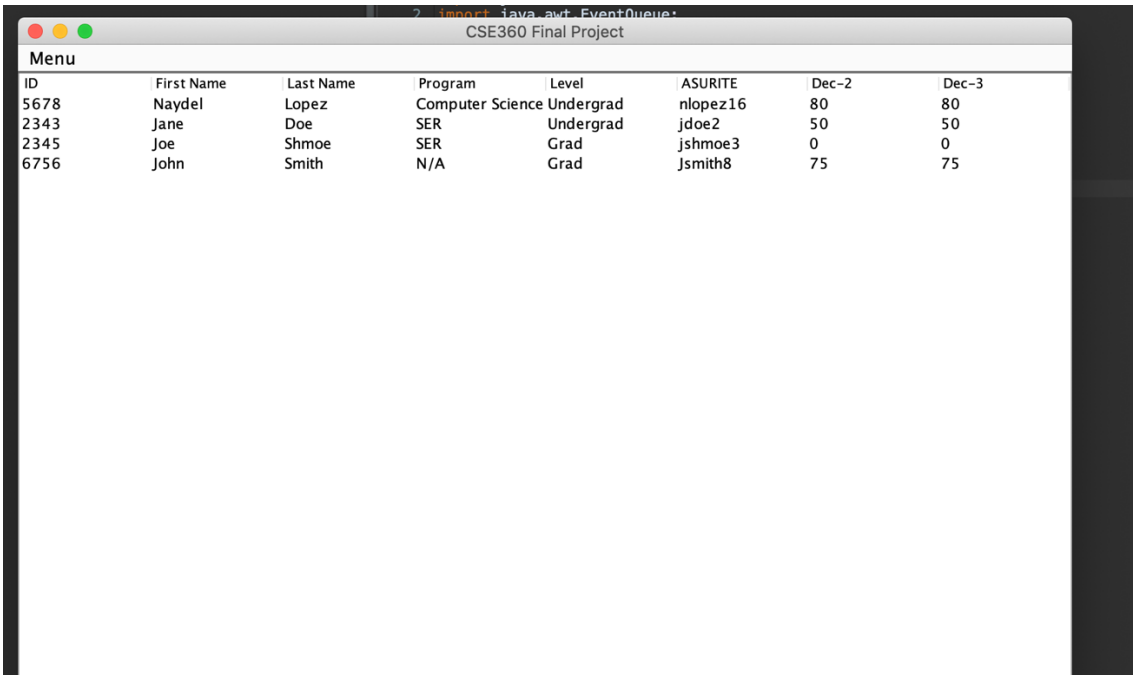
5) After adding an initial attendance list we added the data to the previous table.



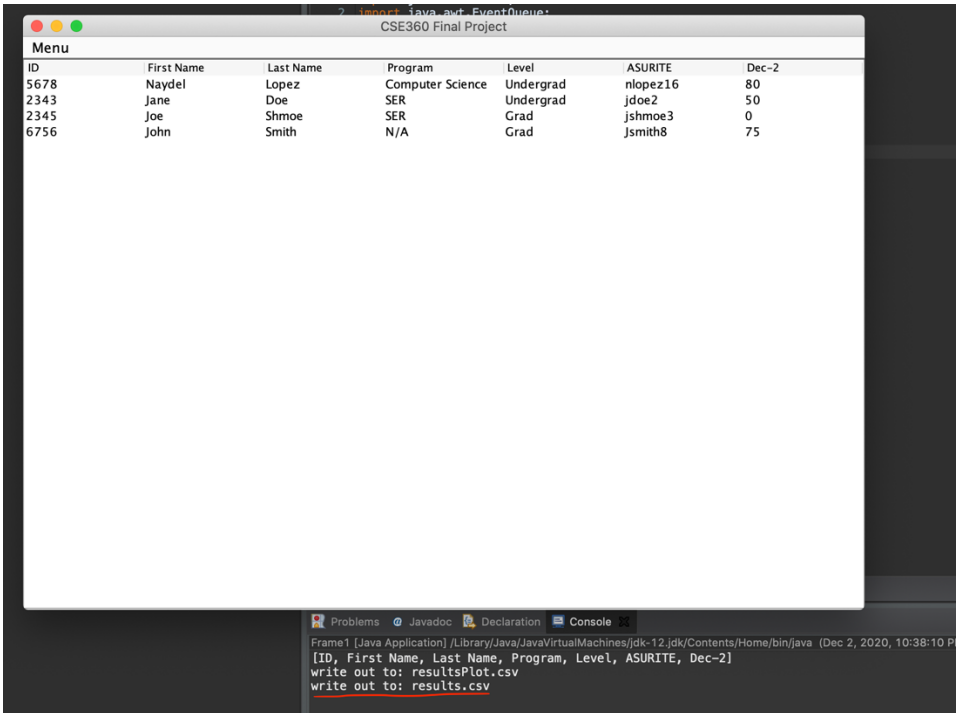
6) Plotting our table in a scatter plot graph.



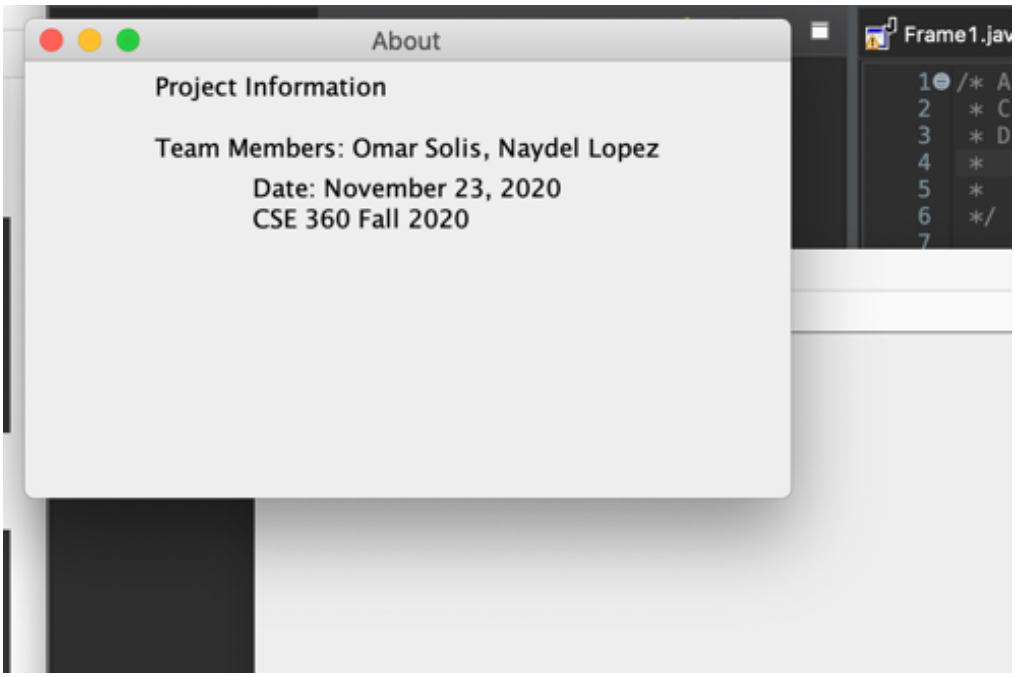
7) Adding additional attendance files to table.



8) Saving final table and putting placing the file in the original source folder.



9) Finally our About page with team info



Testing:

Our testing approach for the project was using User Story Testing. We created user stories for each possible step/action that is an available function for the user. The user stories were listed with four (4) additional sections to state that the team tested the user story, comment on any bugs, and state any additional comments to assure issues were being discussed and addressed. We went with this approach because we felt it was easier to keep track and easier to pinpoint any major issues amongst the team. We kept this document as a Live google doc, which made it easier for the team to stay updated from the smallest to major testing issues.

User Story Test Cases

As a/an	I want to...	so that...	N Tested	O Tested	Bugs	Comments
Instructor	have a drop down menu	I can see what functionalities are available.	X	X	NO BUGS	Implemented without issue
Instructor	have a menu bar	I can navigate through the menu options.	X	X	NO BUGS	Implemented without issue
Instructor	have an about option	I can be informed of the team who created the application.	X	X	NO BUGS	Implemented without issue
Instructor	have a file option	I can have a drop list of additional options.	X	X	NO BUGS	Implemented without issue
Instructor	upload a CSV roster file(s) into the application	I can review the data.	X	X	NO BUGS	Implemented without issue
Instructor	upload a CSV attendance file(s) into the application	I can review the data.	X	X	NO BUGS	Implemented without issue
Instructor	know if the file was successfully uploaded	I know that I don't need to re-attempt to upload.	X		NO BUGS	Implemented without issue
Instructor	have a data table of the uploaded data	I have the data organized.	X	X	1 BUG	First value in our attendance file appears to continue to set to 0
Instructor	see a calendar option	I can select a date that corresponds to the data I am uploading.	X	X	NO BUGS	
Instructor	see duplicate user ID's time merged for the selected date	I dont have to worry about seeind duplicate user's on the table.		X	1 BUG	Users not always merge, sometimes they appear as seprate values
Instructor	see duplicate data merged	I can review one row for a students vs. various duplicate rows.		X	1 BUG	Data is sometimes merged, unable to get this to work 100% accuratly
Instructor	receive confirmation of any additional students who aren't listed on the roster	I am informed if nonregistered students are joining.		X	N/A	Unable to implement this properly so have been ommited from final submittion
Instructor	receive confirmation of the time of how long nonregistered students are on the zoom call	I am informed how often and how long its occuring.	X	X	Multiple isses	Non registered. Users are counted however they are getting dropped from our table and we were unable to debug.
Instructor	upload several CSV files for different dates	I can keep the attendance table updated.	X	X	NO BUGS	Multiple files are accepted
Instructor	see selected dates listed on the data table	I can keep track of what data was uploaded under what dates.	X	X	NO BUGS	Promp asking for date is available for user input
Instructor	have the option to save the uploaded files	I don't have to worry about re-uploading files.	X	X	No BUGS	Save option works apporiatly, saving the file in the source directory
Instructor	have the option to export the table data into a CVS File	I can further review and/or keep data for my records.	X	X	NO BUGS	Save option works apporiatly, saving the file in the source directory
Instructor	have the option to plot the uploaded data	I can further review and analyze when needed.	X	X	1 BUG	Plot option works and produces a plot graph however we were unclear on what exactly the coordinates were supposed to represent, therefore each user. Represents a sigle. Coordinate and we are not. Sure if that is 100% what is Required.

Project Management:

The process model that was used for this project was the Waterfall Method. We decided with the waterfall method because we felt that it was the most effective and easier model to follow.

Req -> design -> implementation + testing -> deployment

The following responsibilities were split throughout the project.

- **Create Requirements:** Discussed and created requirements over Facetime.
- **Set Expectations and decide on Process Model:** Discussed and set clear expectations, communication methods and decided on what process model we would follow.
- **Create User Story Testing cases:** Discussed the test cases and reviewed to confirm steps were not missing.
- **Coding:** Discuss the code and review to clean up code if possible
- **Testing and Debugging:** This was split to catch any bugs that potentially were not caught at first from one tester or the other.
- **Project Report Requirements:** Project Report was completed collaboratively to assure all details were included.

Once all expectations were set for the team. We decided to meet daily for 45 minutes to an hour to discuss progress, issues and/or concerns. We had our team meetings options when it came to communicating over Facetime, Zoom, Discord, phone calls and text messages. Majority of the meetings were over Facetime. This was our assignment table to have clear expectations of what needed to be done. Although this was created and followed, this was still very collaborative. All progress would be updated on our live google doc, and all progress was shared via-email after each team meeting.

Activity Diagram	Naydel
User Story Test Cases	Omar/Naydel
Project Screenshots	Omar/Naydel
Code:	
Menu Bar	Omar
Menu Items	Omar
About	Omar
File	Omar
Load Roster	Omar
Load Attendance	Naydel/Omar
Save	Omar/Naydel
Plot Graph	Naydel
Testing:	Omar/Naydel
Debugging	Naydel/Omar
Project Report	Naydel/Omar

Burndown Chart:

BURNDOWN CHART

Item ID	User Stories Test Cases	Initial Estimate	Nov 21s Day 1	Nov 22n Day 2	Nov 23r Day 3	Nov 24t Day 4	Nov 25t Day 5	Nov 26t Day 6	Nov 27t Day 7	Nov 28t Day 8	Nov 29t Day 9	Nov 30t Day 10	Dec 1st Day 11
1	As an instructor, I want to have a menu bar, so that I can navigate through the menu options.	1	1										
2	As an instructor, I want to have an about option, so that I can be informed of the team who created the application.	1	1										
3	As an instructor, I want to have a file option with four functionalities so that I can navigate through it easily.	1		1									
4	As an instructor, I want to upload a roster file, so that I can successfully upload roster data into program.	2	1										
5	As an instructor, I want to know if the roster file was successfully uploaded so that I can re-attempt if it was unsuccessful.	2		1	1								
6	As an instructor, I want a roster data table, so that my uploaded data is visible and organized.	2			1								
7	As an instructor, I want to upload an attendance file, so that I can successfully upload attendance data into the data table.	2				1							
8	As an instructor, I want to know if the file was successfully uploaded so that I can re-attempt if it was unsuccessful.	2				1							
9	As an instructor, I want a calendar so that I can select the date that corresponds to the attendance data.	1				1							
10	As an instructor, I want duplicate user ID's merged for the selected date so that I can keep the roster/attendance table organized.	1							1	-3	1	1	1
11	As an instructor, I want a confirmed pop up message so that I know the data was successfully saved.	1								1	1		
12	As an instructor, I want to know if students listed in the attendance file match the roster so that I can know if all students attending are registered for the class.	1					1				1	1	
13	As an instructor, I want to be able to upload files for different dates so that I can keep the attendance table updated.	1					1						
14	As an instructor, I want the selected date(s) added to the data table so that I can keep track of what data has been uploaded.	1					1						
15	As an instructor, I want to save the uploaded data so that I do not need to re-upload files.	1					1						
16	As an instructor, I want to export the saved data to a text file so that I can review/analyze and keep for my records.	1						1					
17	As an instructor, I want data plotted so that I can review and analyze the course attendance.	1						1					
	.												
	Remaining Effort	22	19	17	15	12	8	6	5	7	4	2	
	Ideal Trend	22	20	18	15	13	11	9	7	4	2	0