CSC 131-01

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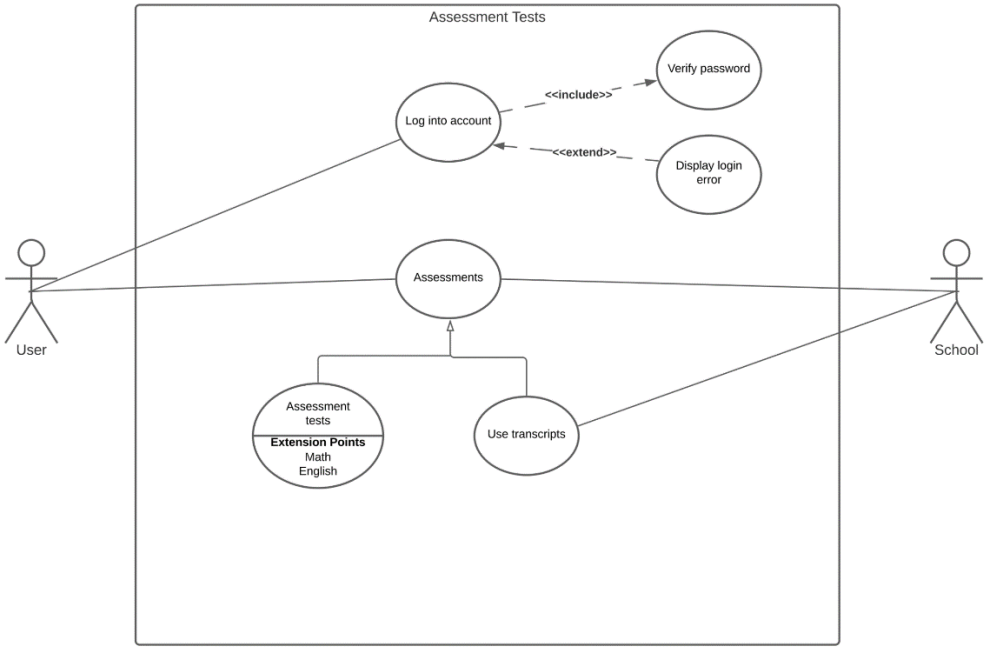
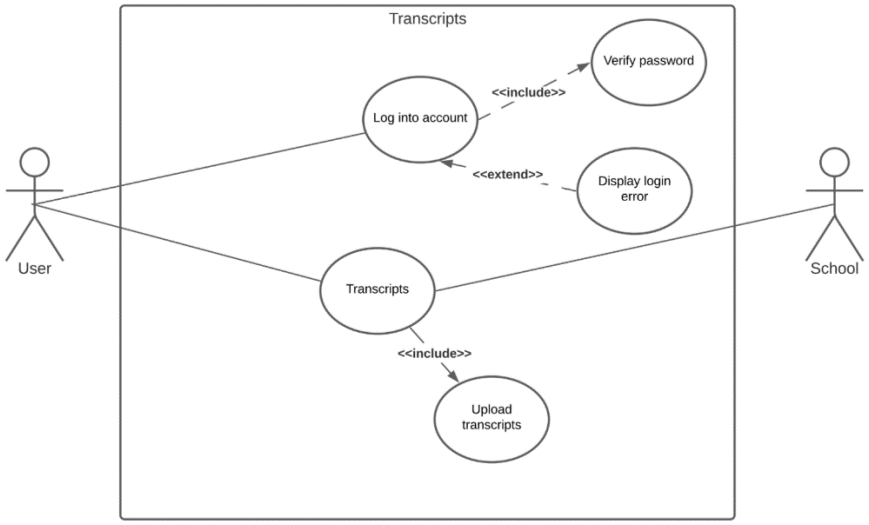
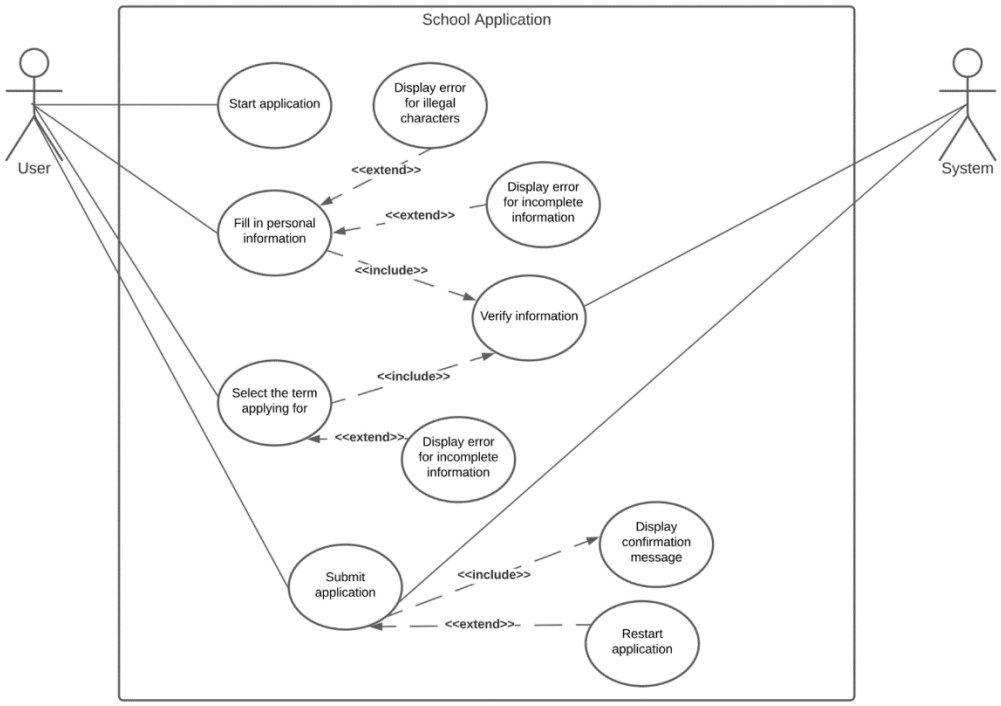
Christopher Son, Josiah Villarante

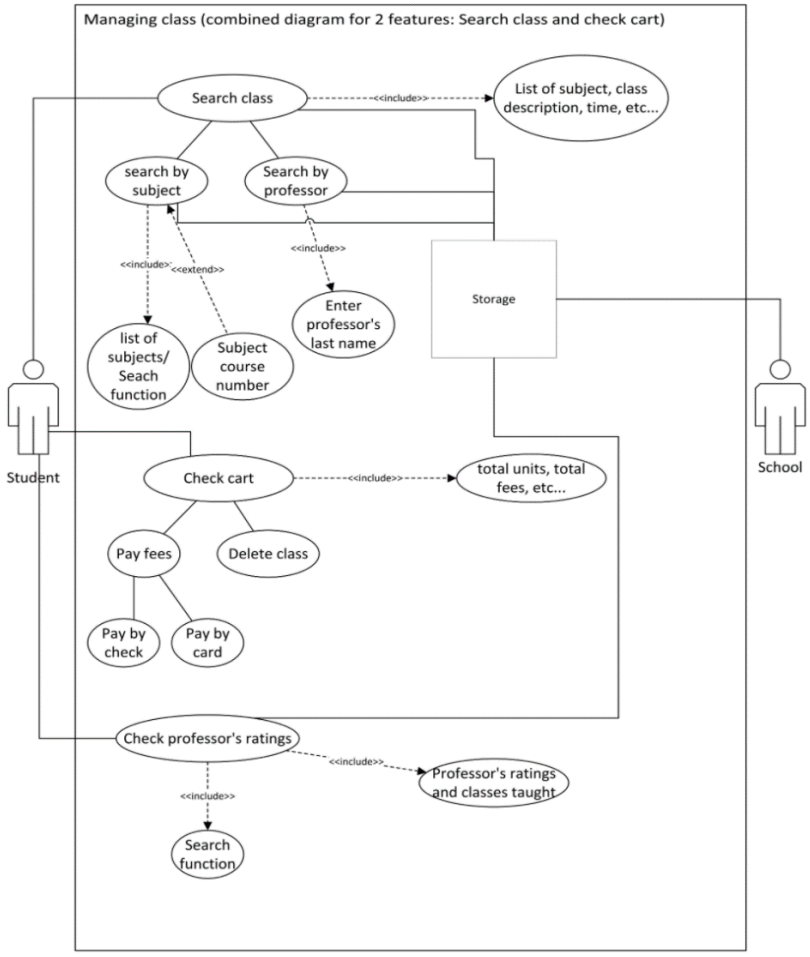
Diagrams:

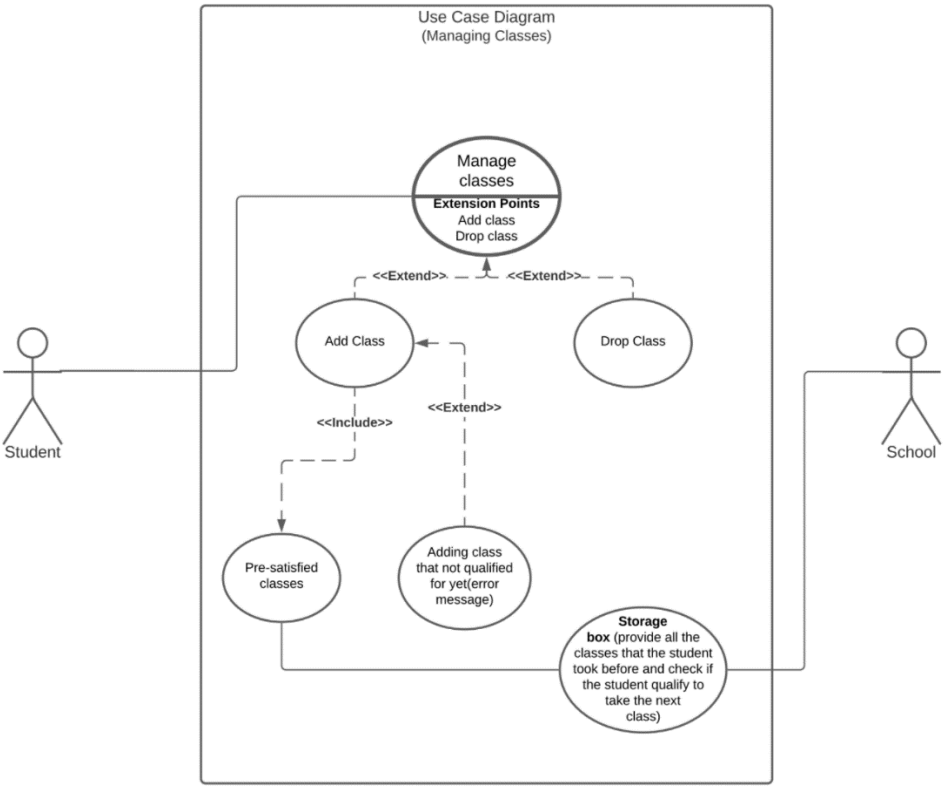
Use Case

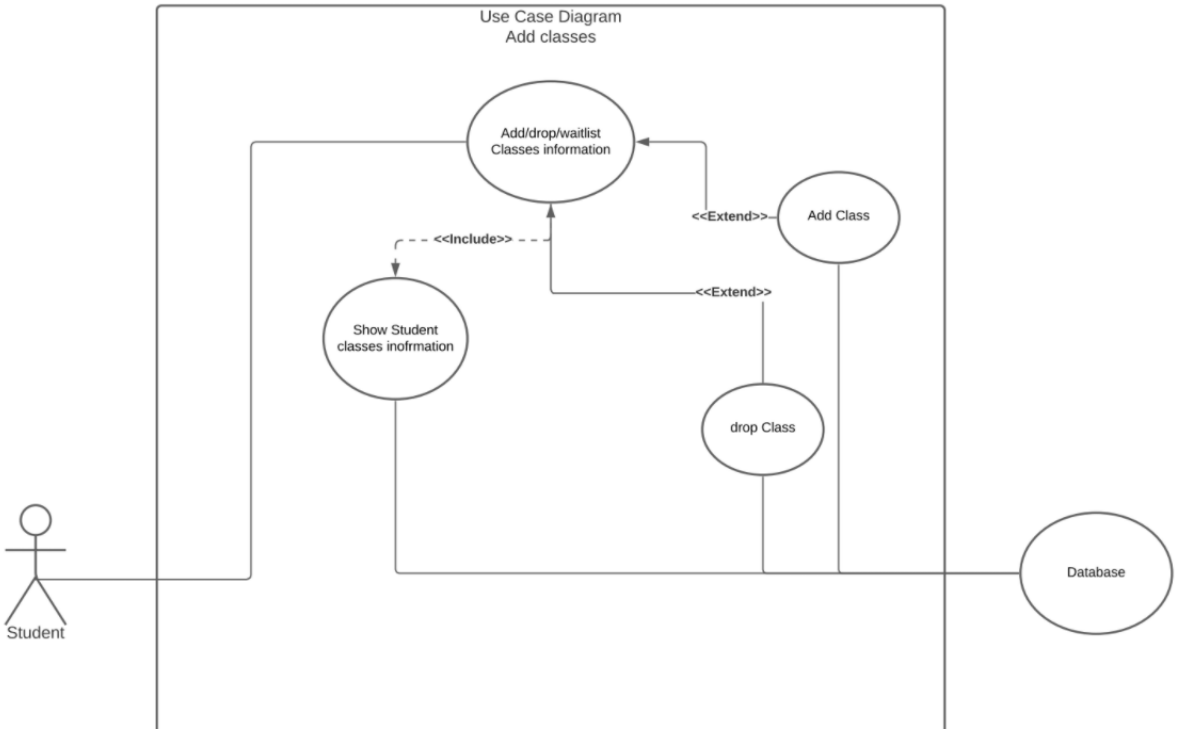


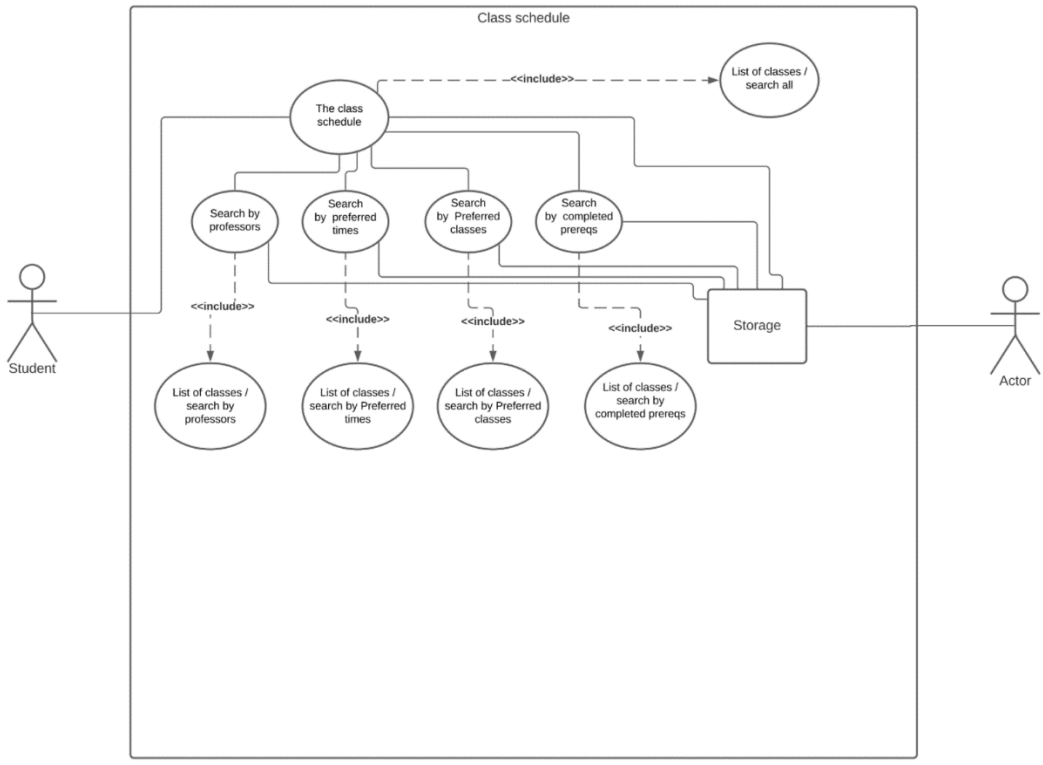


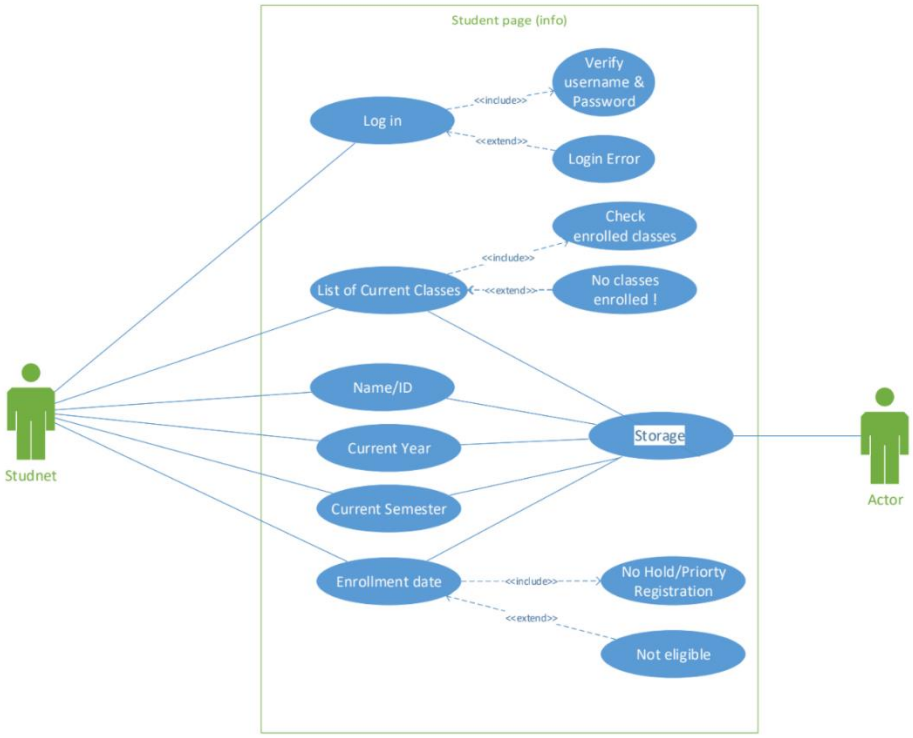

School Application
User
System
Start application
Display error for illegal characters
<<extend>>
Fill in personal information
<<extend>>
Display error for incomplete information
<<include>>
Verify information
Select the term applying for
<<include>>
<<extend>>
Display error for incomplete information
Submit application
<<include>>
Display confirmation message
<<extend>>
Restart application

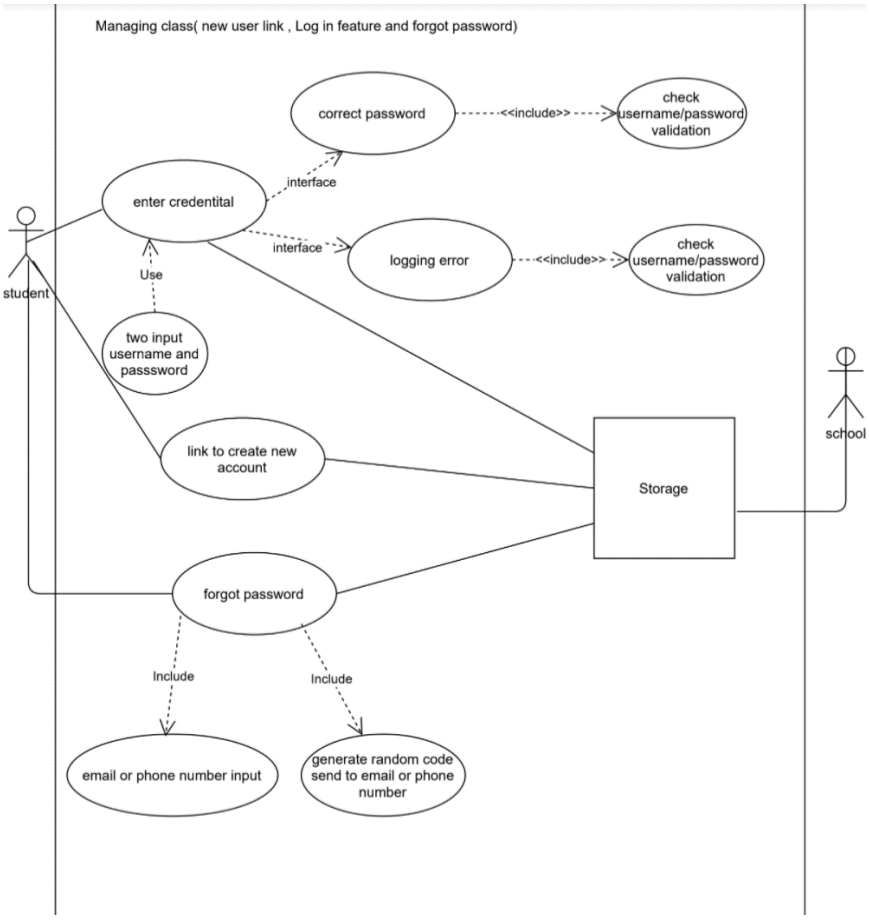

Managing class (combined diagram for 2 features: Search class and check cart)
Search class
<<include>>
List of subject, class description, time, etc...
search by subject
Search by professor
<<include>>
<<extend>>
<<include>>
Storage
Enter professor's last name
list of subjects/ Seach function
Subject course number
Student
School
Check cart
<<include>>
total units, total fees, etc...
Pay fees
Delete class
Pay by check
Pay by card
Check professor's ratings
<<include>>
Professor's ratings and classes taught
<<include>>
Search function


Use Case Diagram
(Managing Classes)
Manage classes
Extension Points
Add class
Drop class
<<Extend>>
<<Extend>>
Add Class
Drop Class
<<Include>>
<<Extend>>
Pre-satisfied classes
Adding class that not qualified for yet(error message)
Storage box (provide all the classes that the student took before and check if the student qualify to take the next class)
Student
School

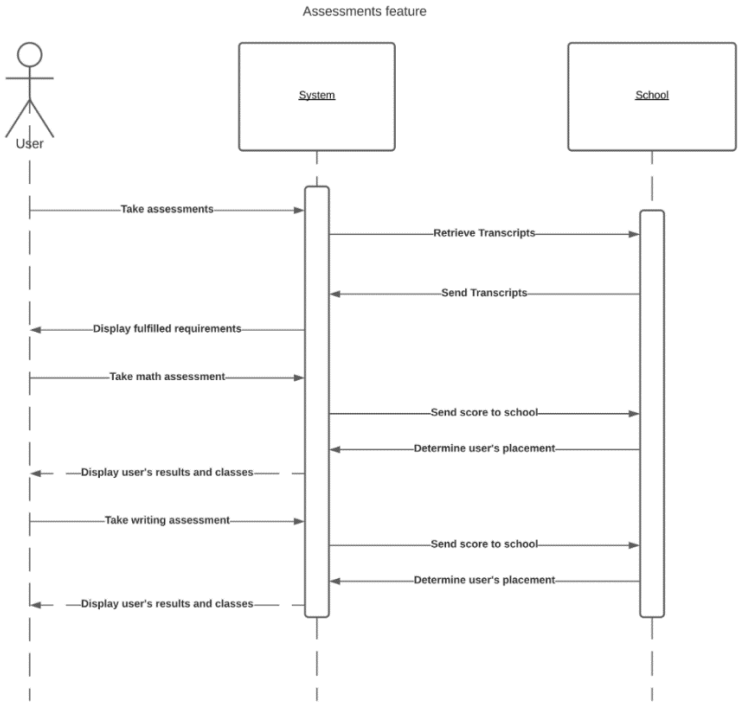

Use Case Diagram
Add classes
Add/drop/waitlist Classes information
<<Extend>>
Add Class
<<Include>>
<<Extend>>
Show Student classes inofrmation
drop Class
Student
Database

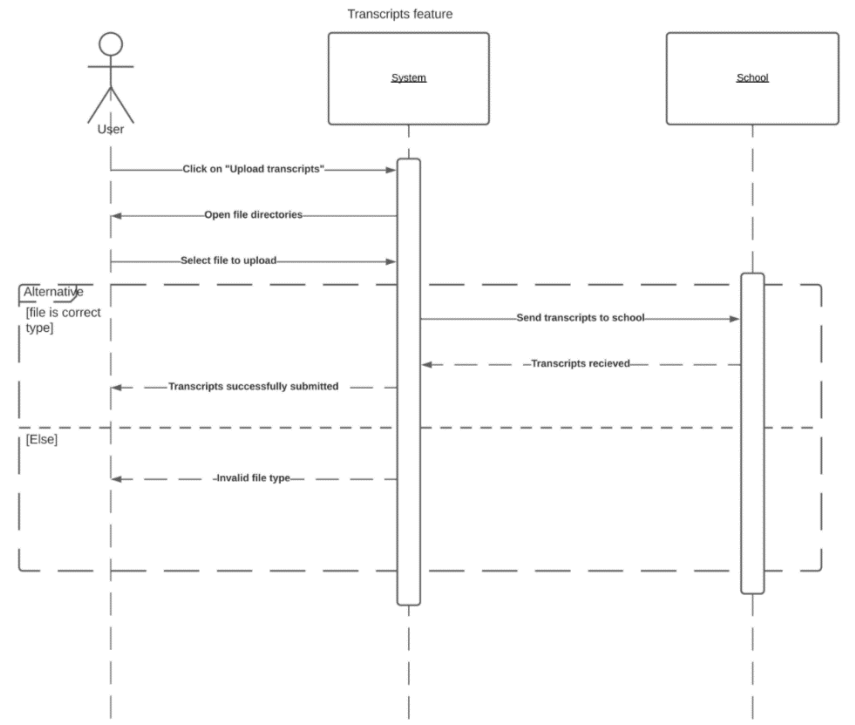

Class schedule
The class schedule
<<include>>
List of classes / search all
Search by professors
Search by preferred times
Search by Preferred classes
Search by completed prereqs
Storage
Student
Actor
<<include>>
<<include>>
<<include>>
<<include>>
List of classes / search by professors
List of classes / search by Preferred times
List of classes / search by Preferred classes
List of classes / search by completed prereqs

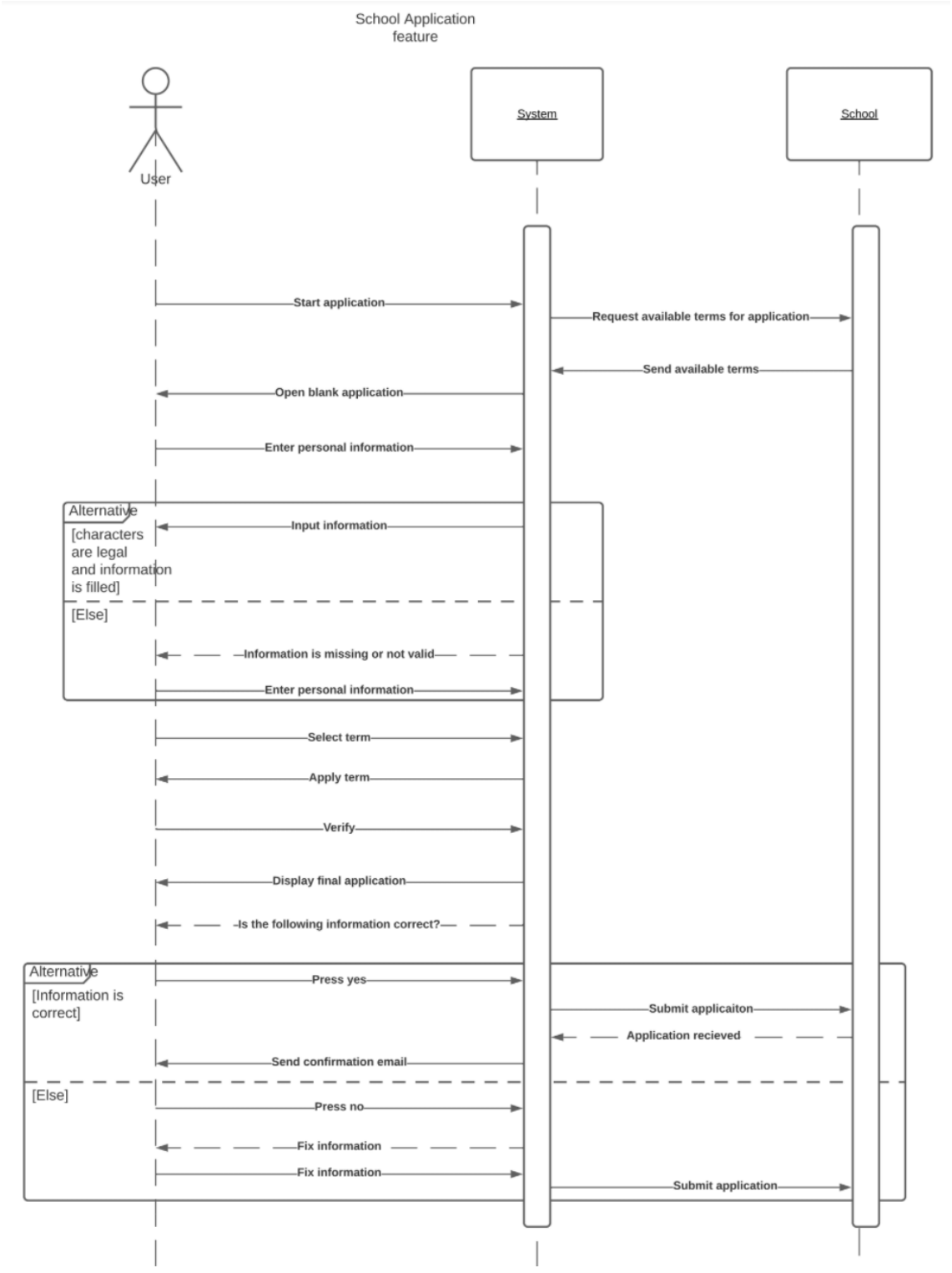

Student page (info)
Log in
<<include>>
Verify username & Password
<<extend>>
Login Error
Check enrolled classes
<<include>>
List of Current Classes
<<extend>>
No classes enrolled !
Name/ID
Current Year
Current Semester
Enrollment date
Storage
<<include>>
No Hold/Priorty Registration
<<extend>>
Not eligible
Studnet
Actor


Managing class(new user link , Log in feature and forgot password)
correct password
<<include>>
check username/password validation
enter credentital
interface
interface
logging error
<<include>>
check username/password validation
student
Use
two input username and passsword
school
link to create new account
Storage
forgot password
Include
Include
email or phone number input
generate random code send to email or phone number

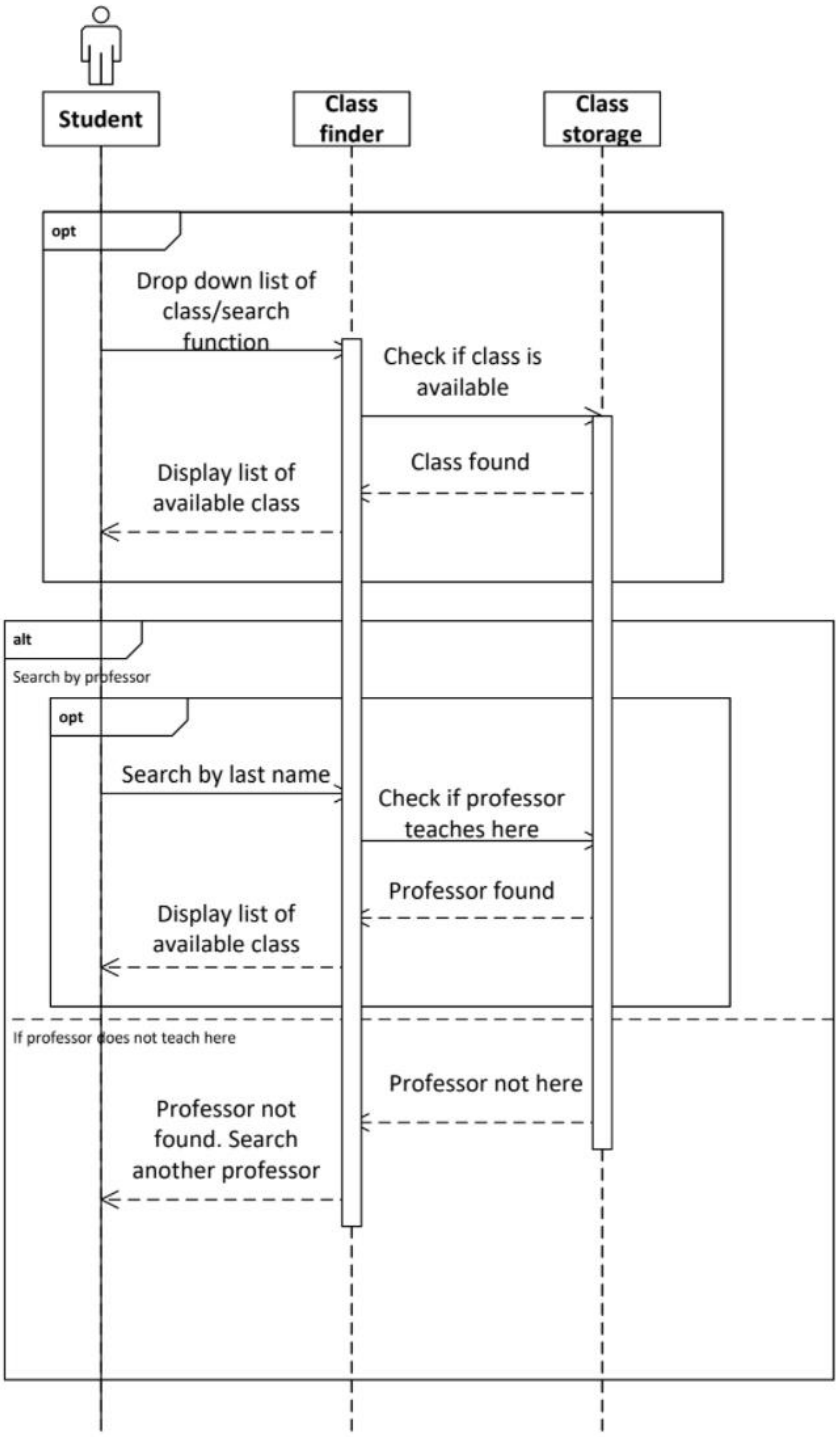
Sequence


Assessments feature
User
System
School
Take assessments
Retrieve Transcripts
Send Transcripts
Display fulfilled requirements
Take math assessment
Send score to school
Determine user's placement
Display user's results and classes
Take writing assessment
Send score to school
Determine user's placement
Display user's results and classes


Transcripts feature
User
System
School
Click on "Upload transcripts"
Open file directories
Select file to upload
Alternative
[file is correct type]
Send transcripts to school
Transcripts recieved
Transcripts successfully submitted
[Else]
Invalid file type

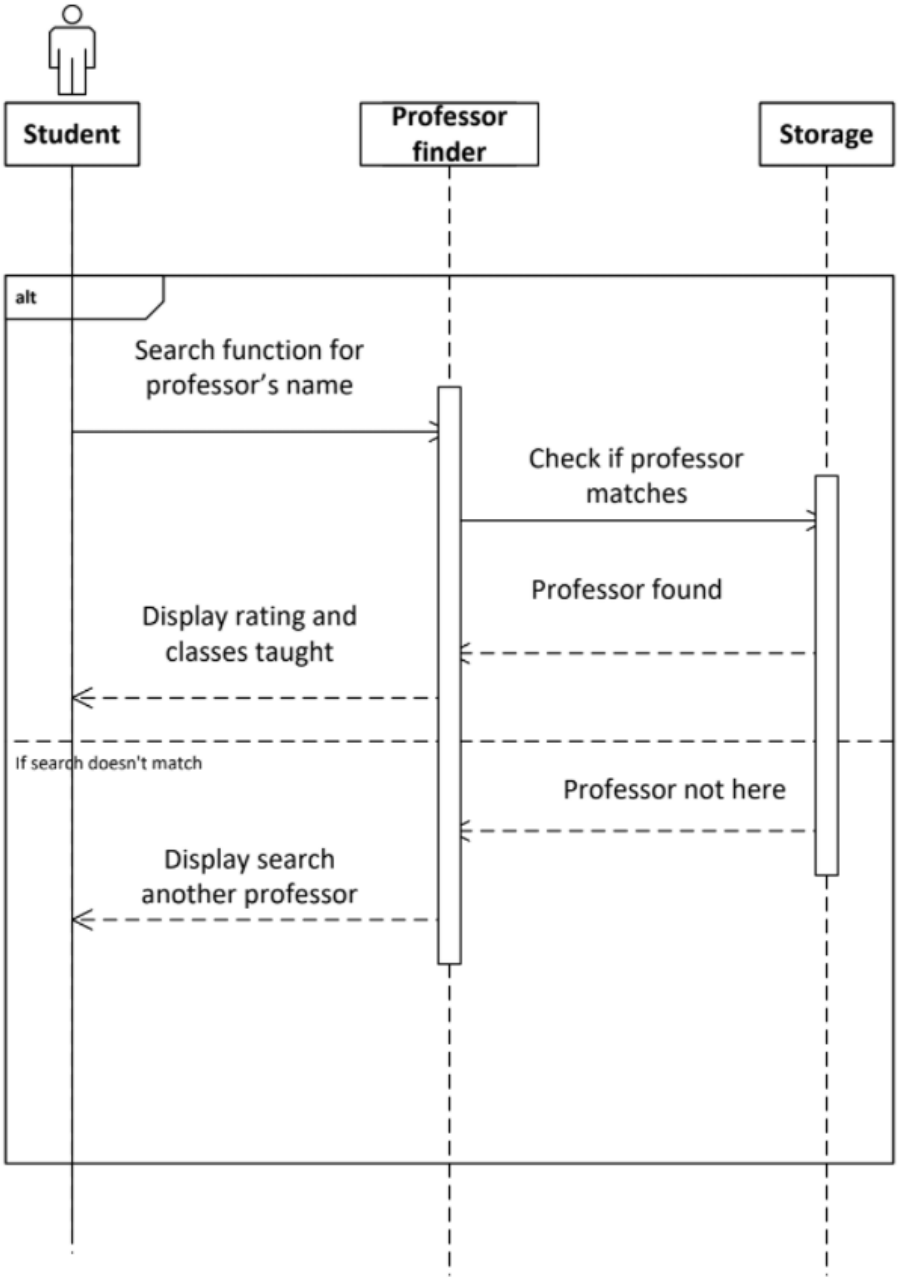

School Application feature
User
System
School
Start application
Request available terms for application
Send available terms
Open blank application
Enter personal information
Alternative
[characters are legal and information is filled]
Input information
[Else]
Information is missing or not valid
Enter personal information
Select term
Apply term
Verify
Display final application
Is the following information correct?
Alternative
[Information is correct]
Press yes
Submit applicaiton
Application recieved
Send confirmation email
[Else]
Press no
Fix information
Fix information
Submit application

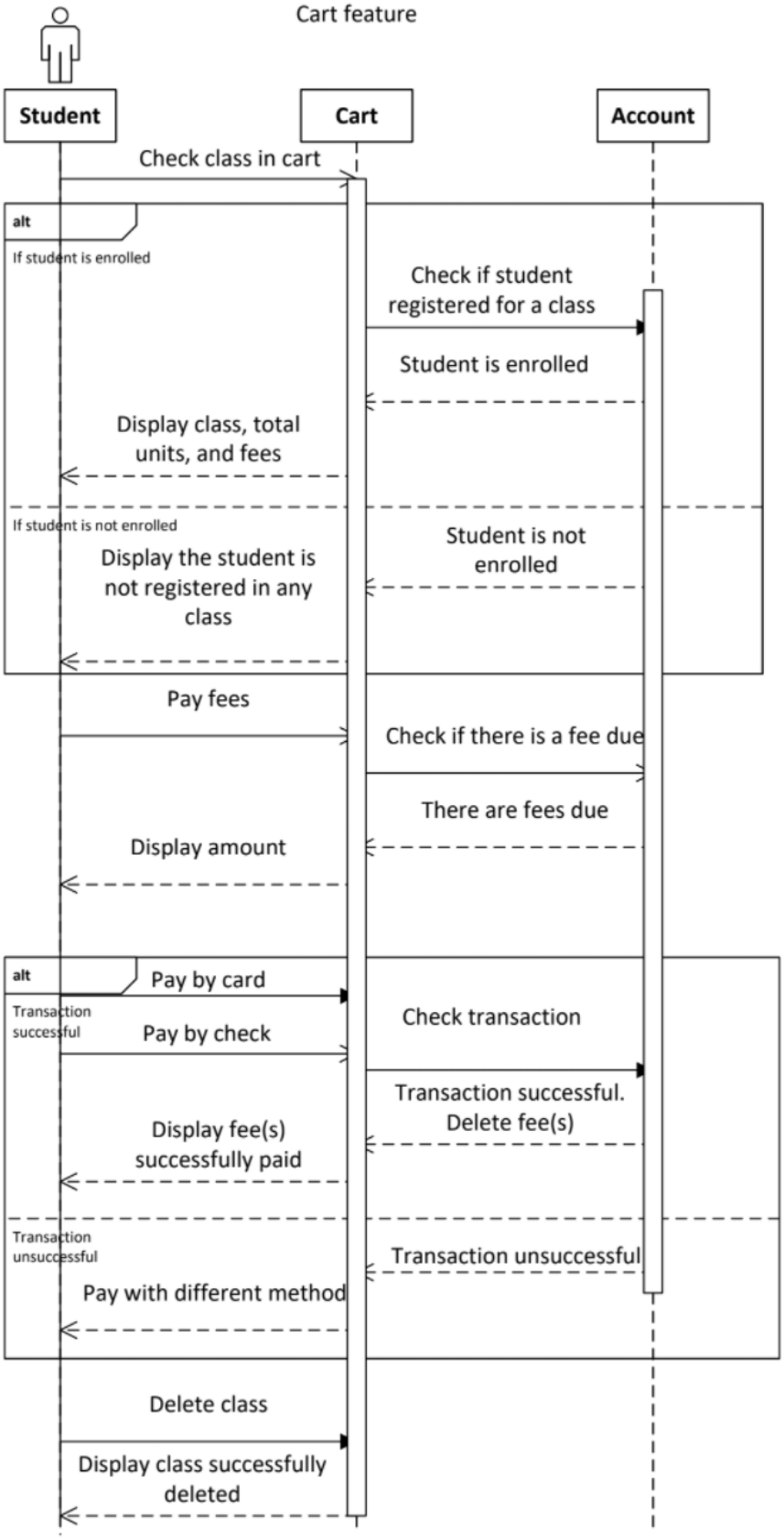
Search class feature



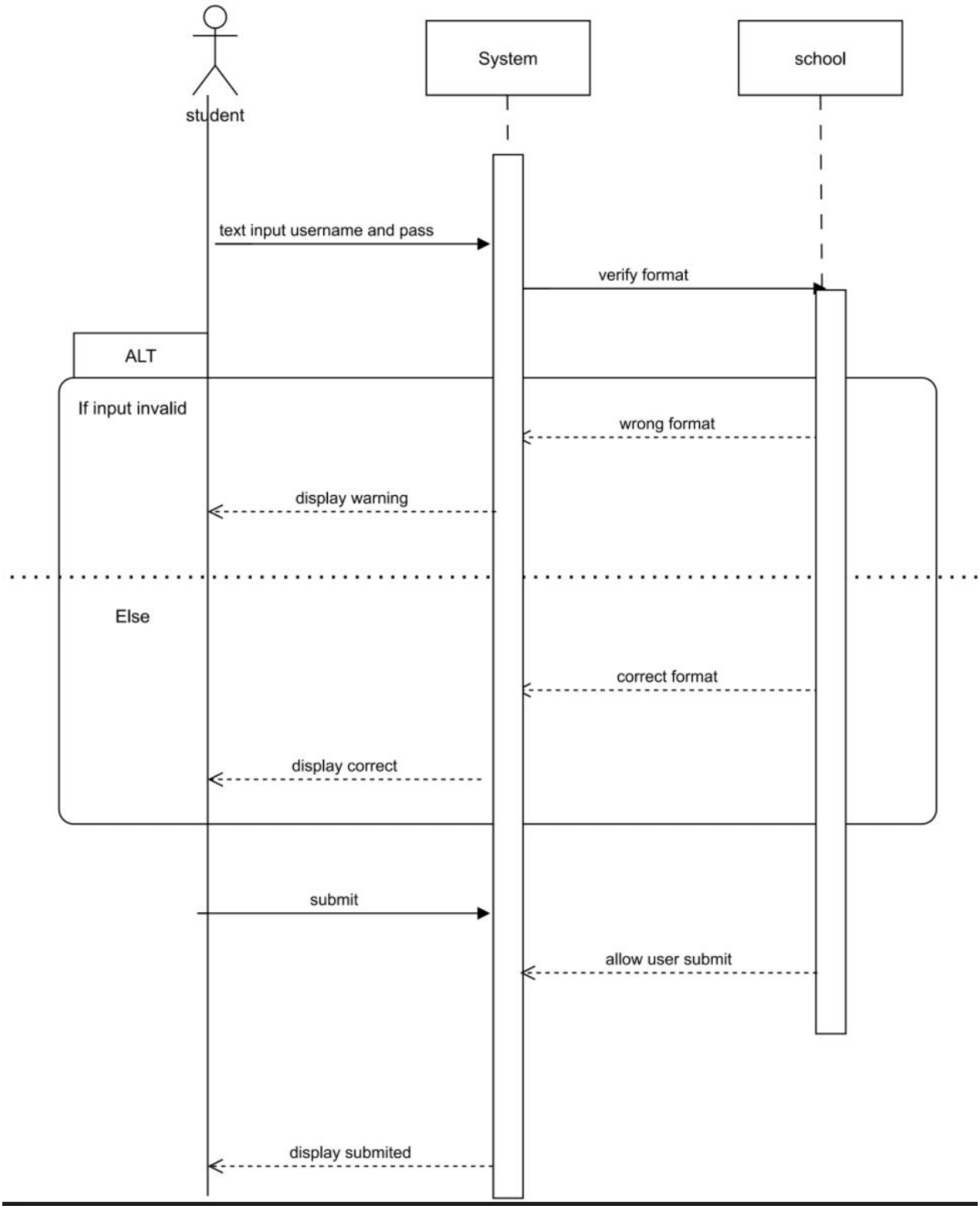
* Two boxes labeled “opt” are for options (since there are two options to search for classes): search by subject and search by professor.

Check professor's ratings
feature

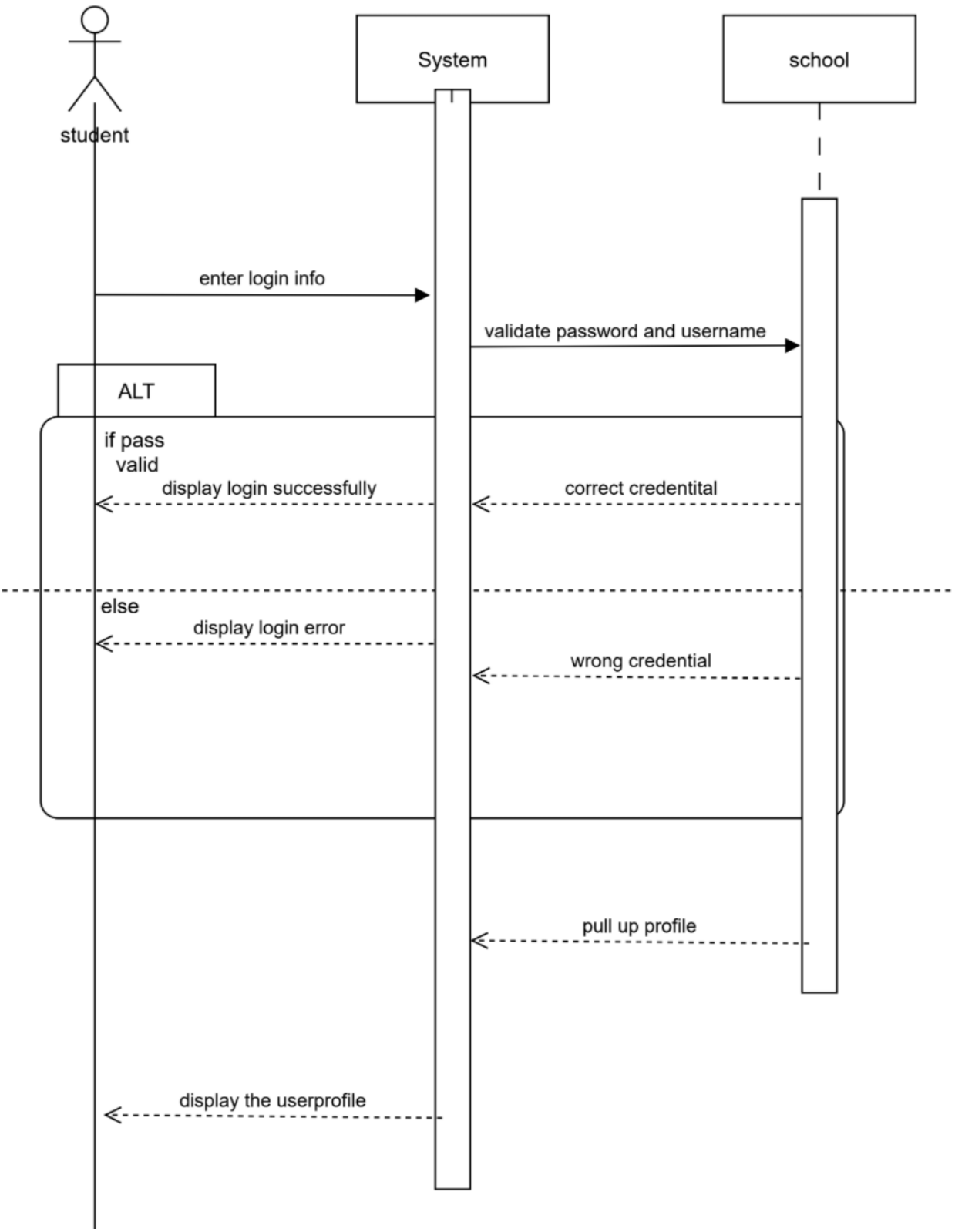


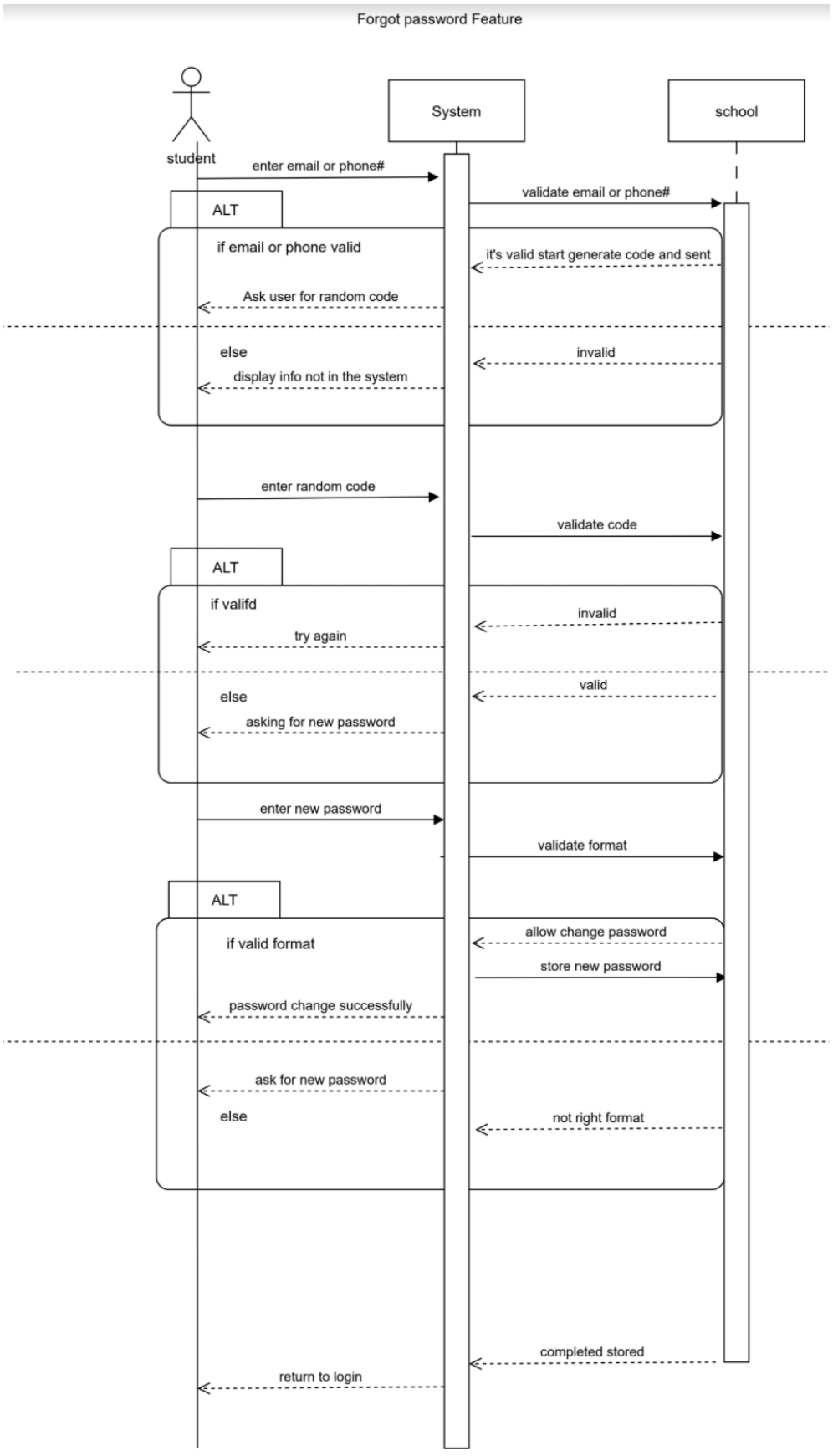

Cart feature
Student
Cart
Account
Check class in cart
alt
If student is enrolled
Check if student registered for a class
Student is enrolled
Display class, total units, and fees
If student is not enrolled
Student is not enrolled
Display the student is not registered in any class
Pay fees
Check if there is a fee due
There are fees due
Display amount
alt
Pay by card
Transaction successful
Pay by check
Check transaction
Transaction successful. Delete fee(s)
Display fee(s) successfully paid
Transaction unsuccessful
Transaction unsuccessful
Pay with different method
Delete class
Display class successfully deleted

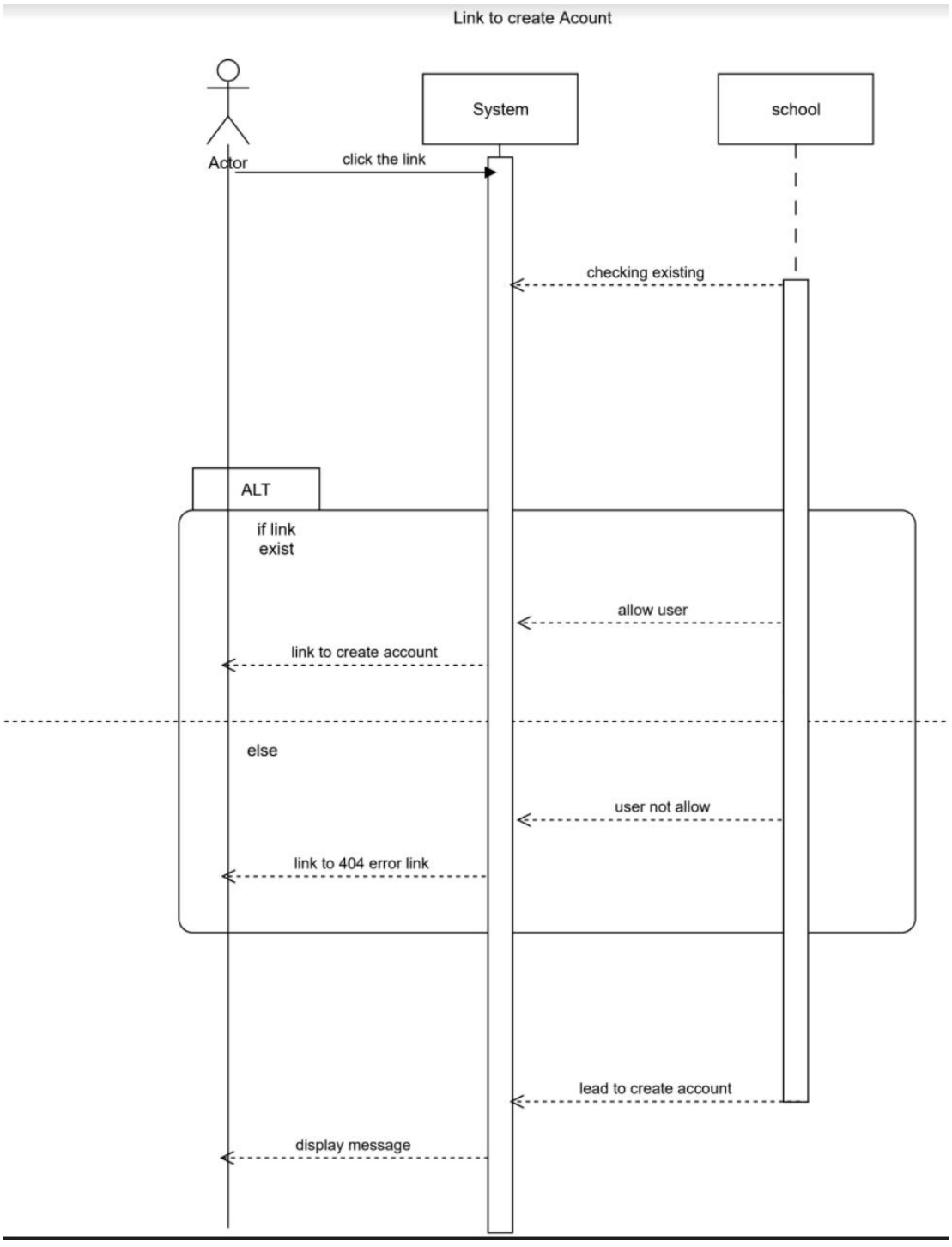
password and username input



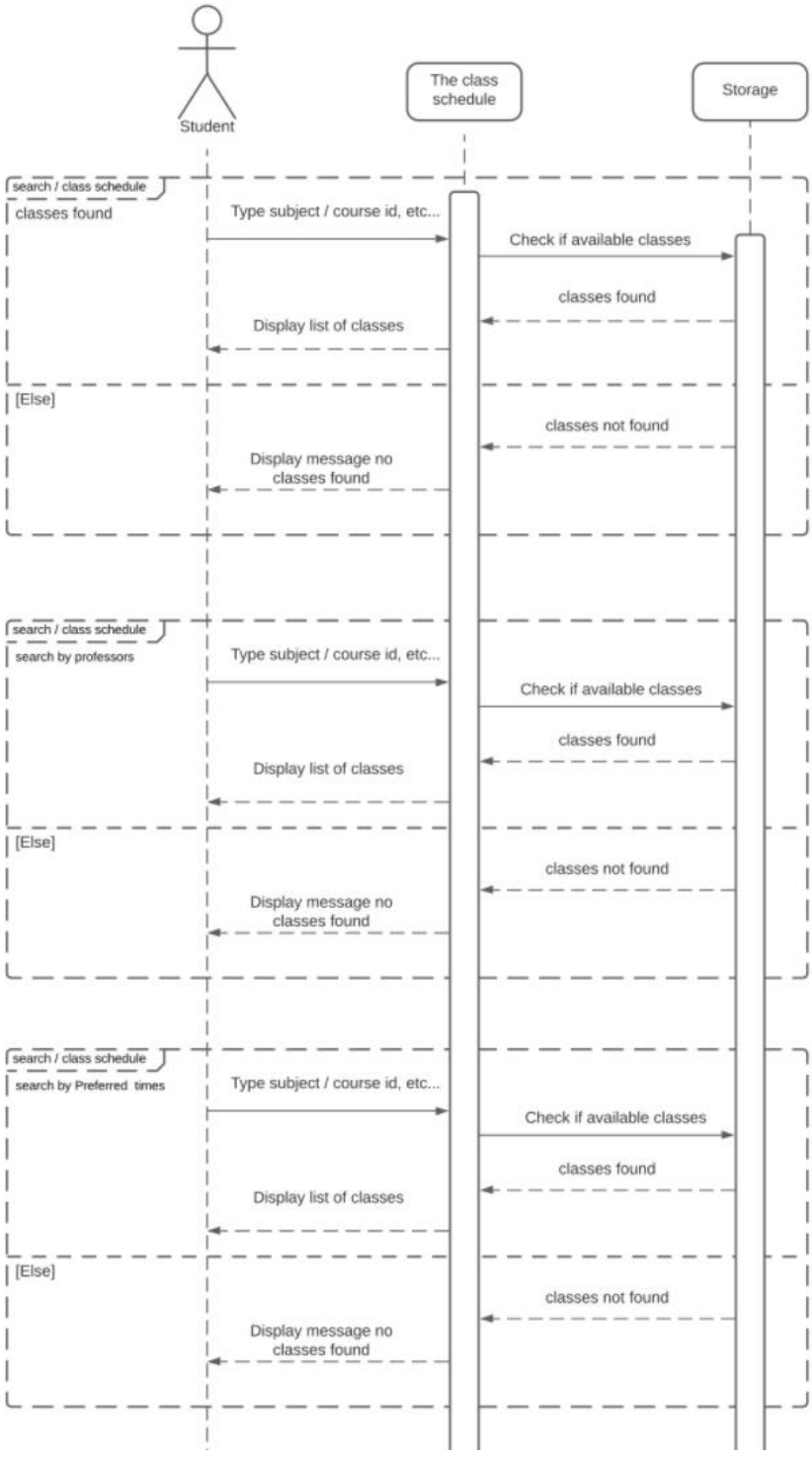
Login feature

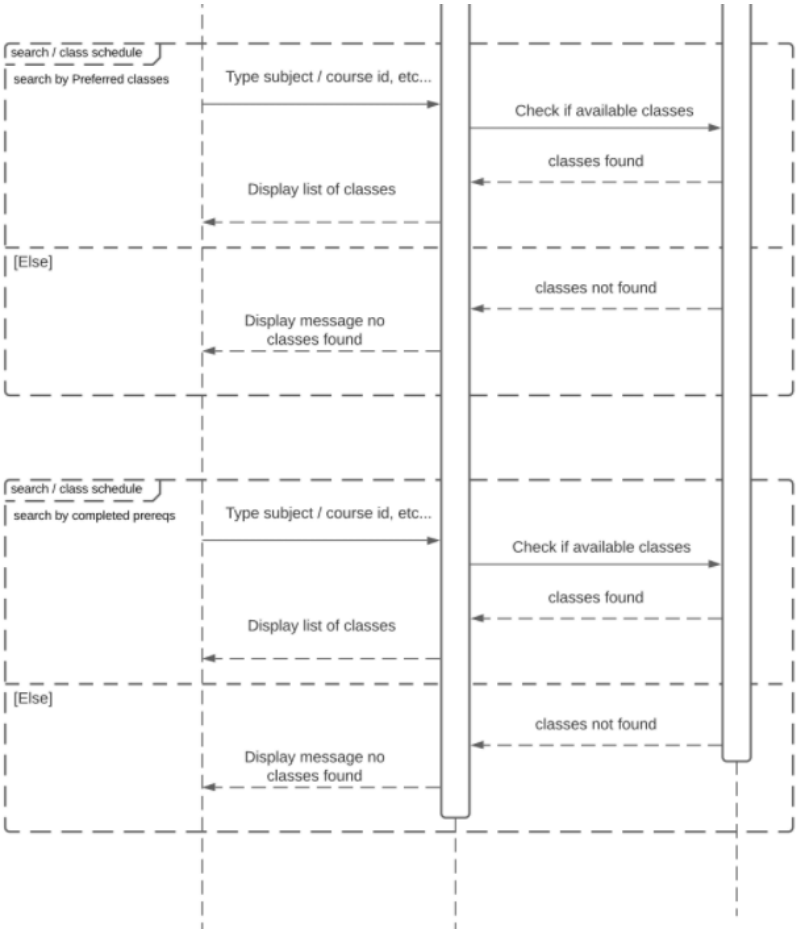



Forgot password Feature
student
System
school
enter email or phone#
validate email or phone#
ALT
if email or phone valid
it's valid start generate code and sent
Ask user for random code
else
invalid
display info not in the system
enter random code
validate code
ALT
if valifd
invalid
try again
valid
else
asking for new password
enter new password
validate format
ALT
if valid format
allow change password
store new password
password change successfully
ask for new password
else
not right format
completed stored
return to login

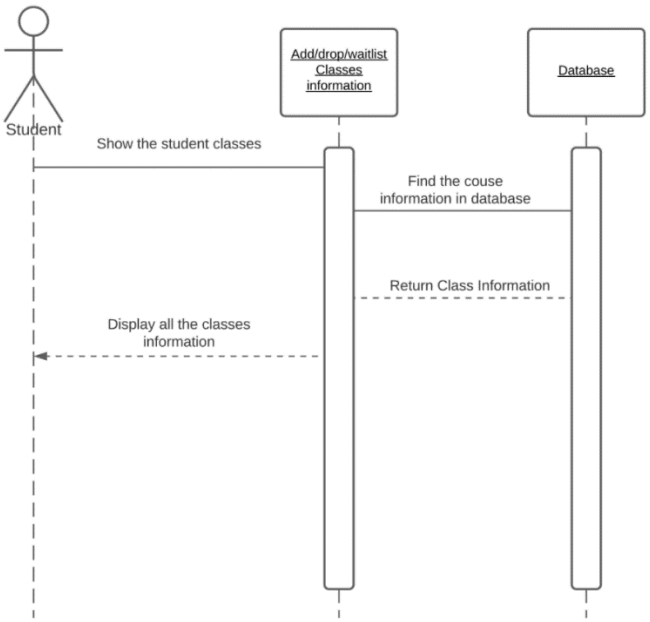

Link to create Acount
Actor
System
school
click the link
checking existing
ALT
if link
exist
allow user
link to create account
else
user not allow
link to 404 error link
lead to create account
display message

Class schedule

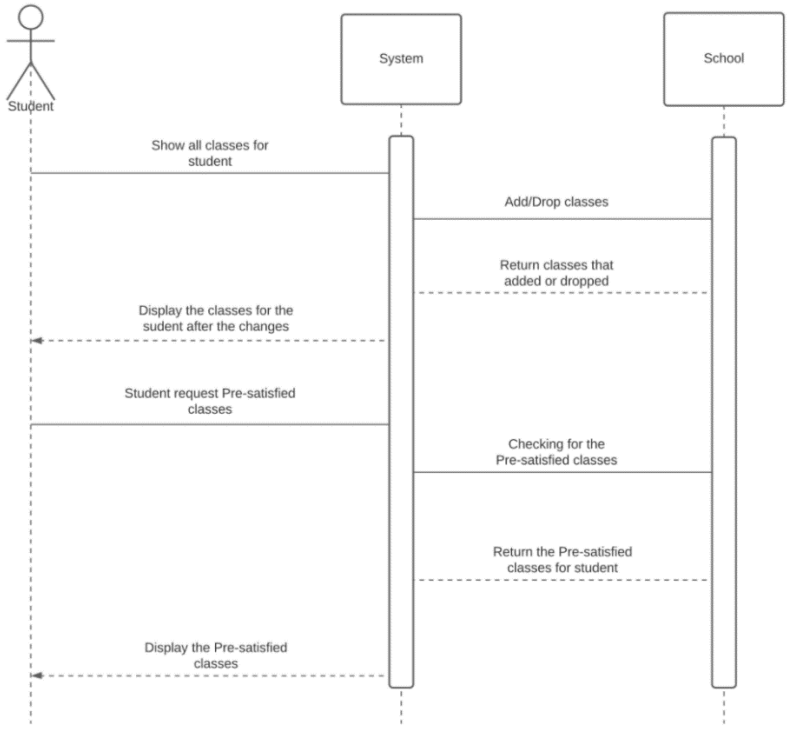




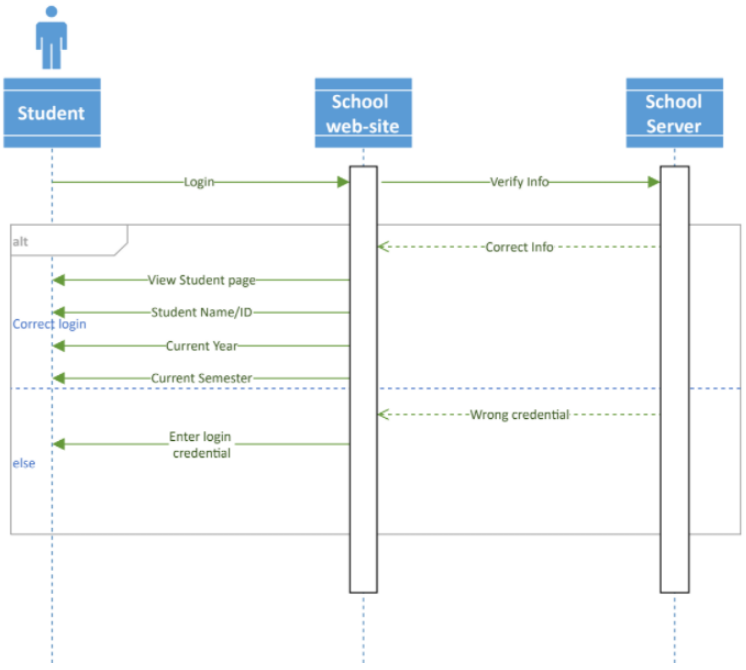
Sequence Diagram
Manage classes



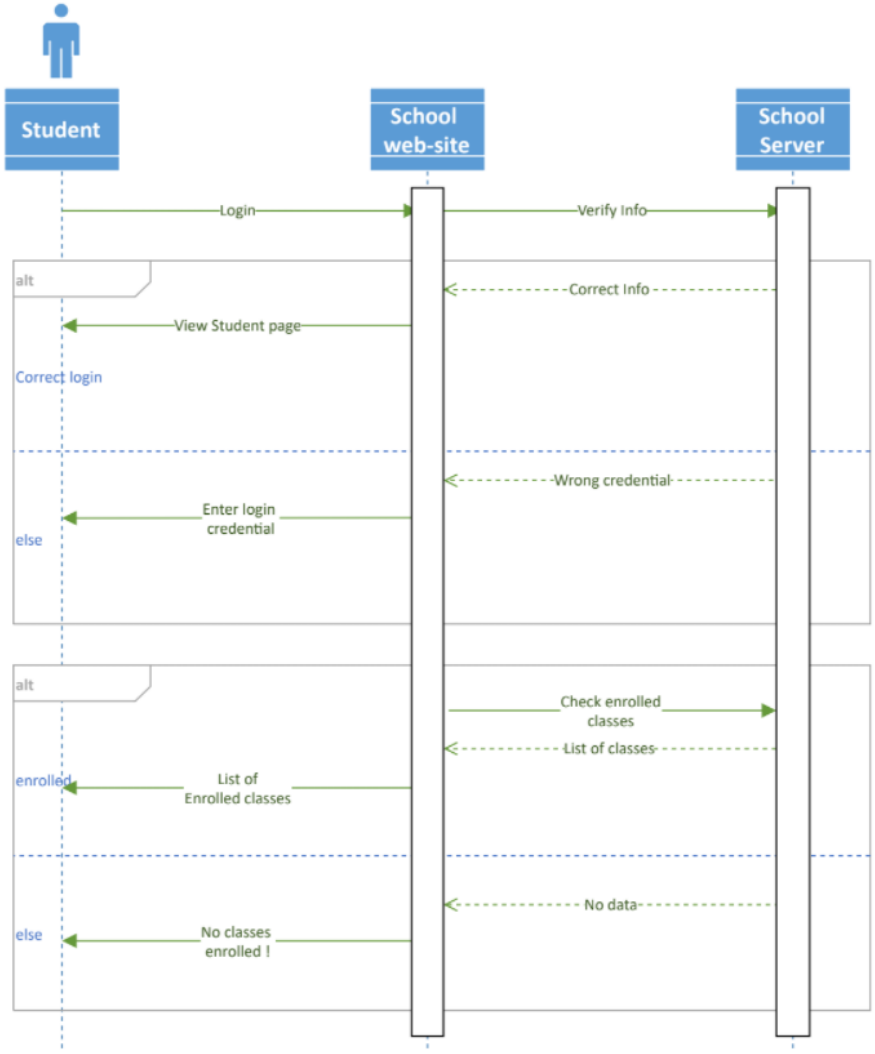
Sequence Diagram
(Managing Classes)



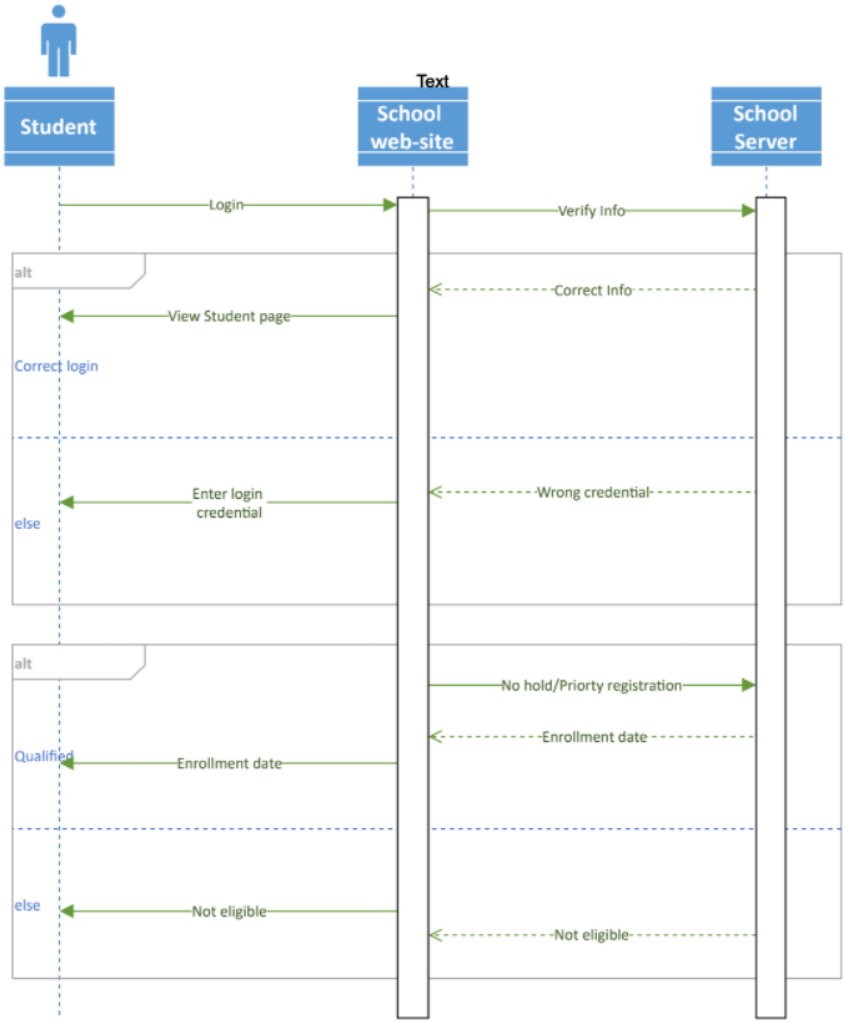
Sequence
Student info



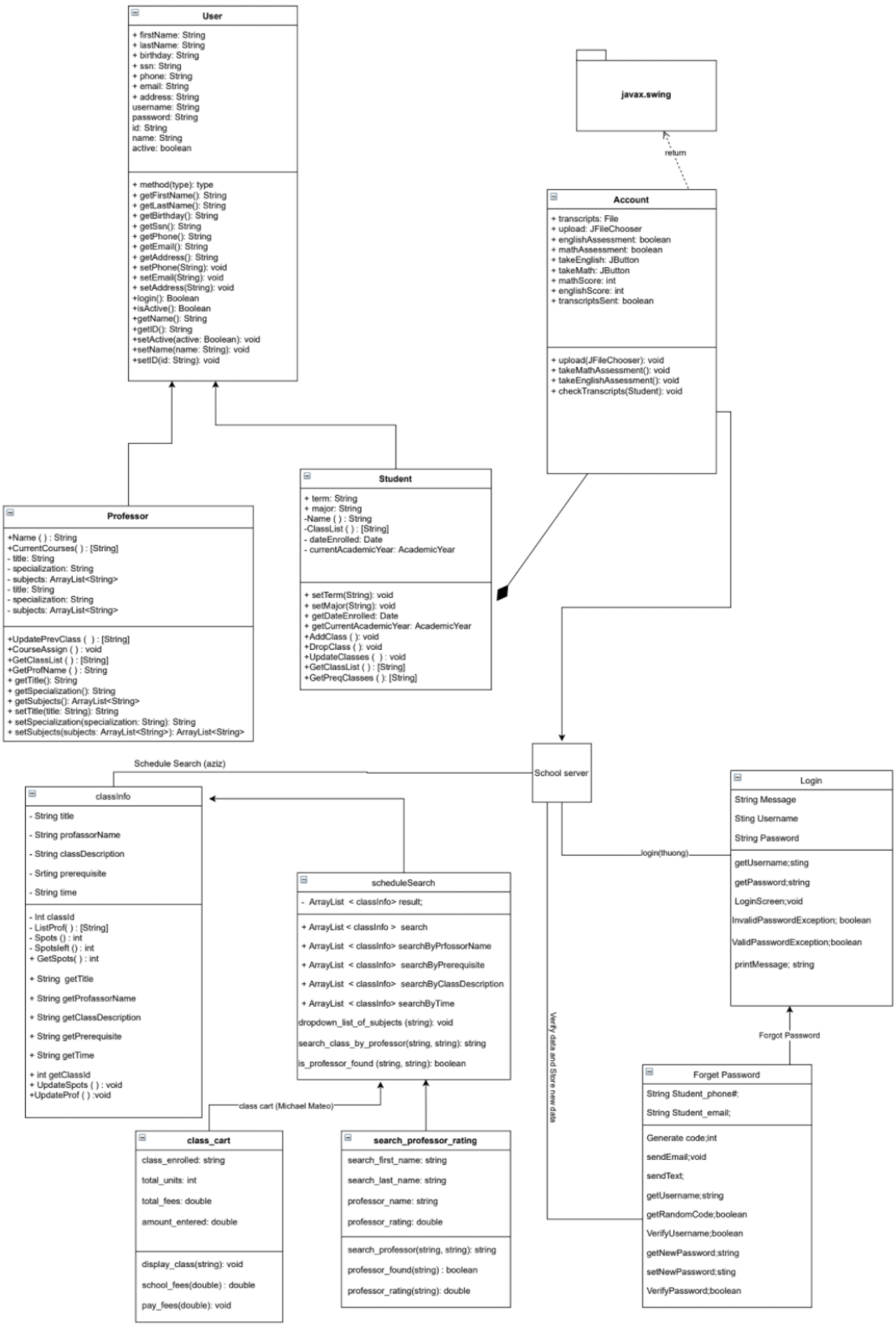
Sequence
list of class



Sequence
Enrollment date



Class Diagram



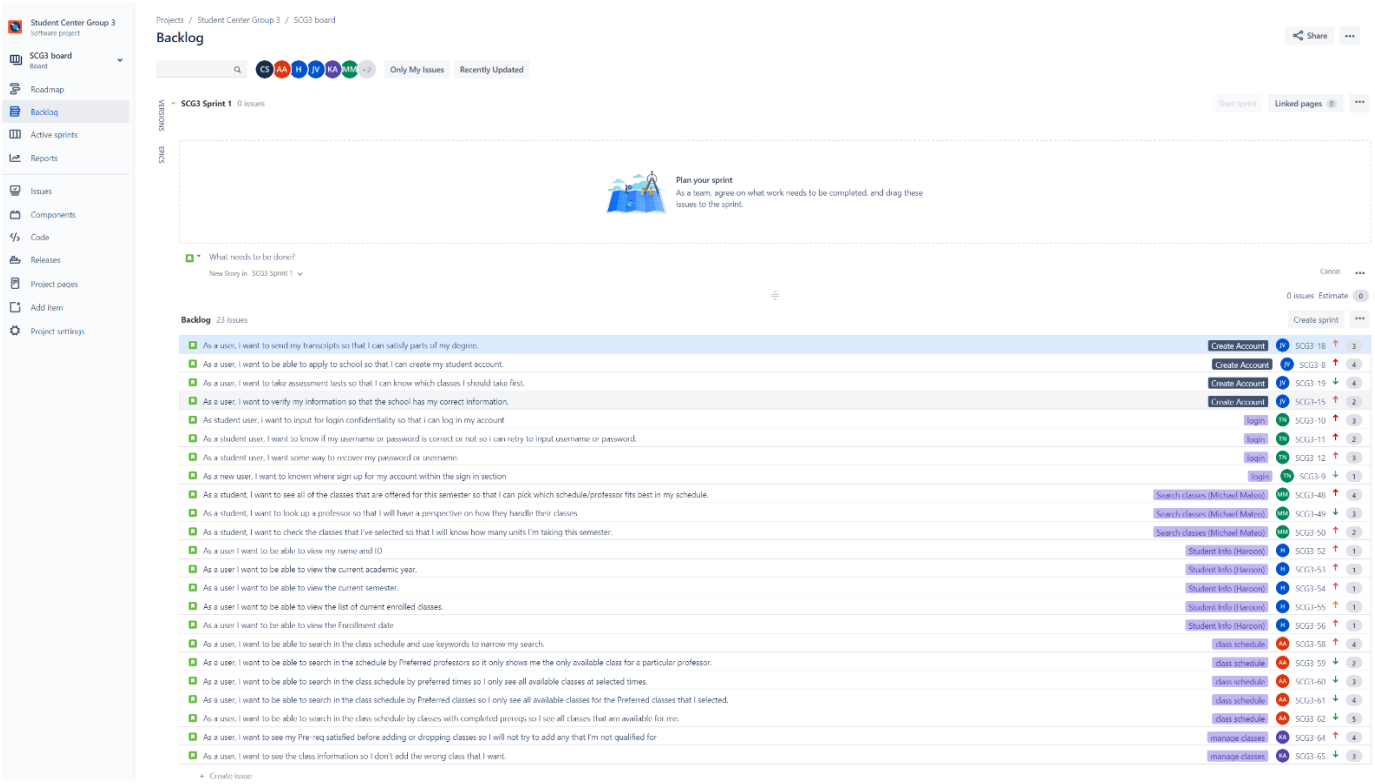
3 P’s (Risk Analysis)

	Predictable	Unpredictable	Solutions
People risk	-Many of the team members cannot attend meetings due to other assignments/projects. This may result in a risk on an unfinished project, leading to a delay of deeming it “Done”.	-Team members may get sick or would have to attend an emergency that was unforeseen, delaying the completion of some tasks.	-These risks can be mitigated as we would create a tentative schedule of when each task is due by and what is needed for completion. Also team members can stay accountable by checking in on progress of others
Process Risk	-Many of the developers could have designs that may compromise each other's designs and would detrimentally take an effect on the procedural aspects in creating our product.	-Developers may run into an error or bug implementing their designs into their code, thus hindering the completion of a more important story requiring that design.	-These risks can be managed by having the developers all collaborate and make sure each design fits well with each other. Also through communication, many issues may be resolved.
Product Risk	-Being on a time table, the final product may face some productivity issues as the code has not been thoroughly tested and does not completely fulfill any of the tests that have been required	-Every developer is of different skill level and the final product may not compile due to a marginal difference in competency of code level. Therefore many problems may arise as the final product may not be fully functional	-To mitigate product risks, a schedule has been set to finalize and deploy the project fully passing every test and with the collaborative efforts from the development team, the code will be entirely completed with instances of peer programming to aid those in implementing the specific code necessary.

Group 3 Project Object List:

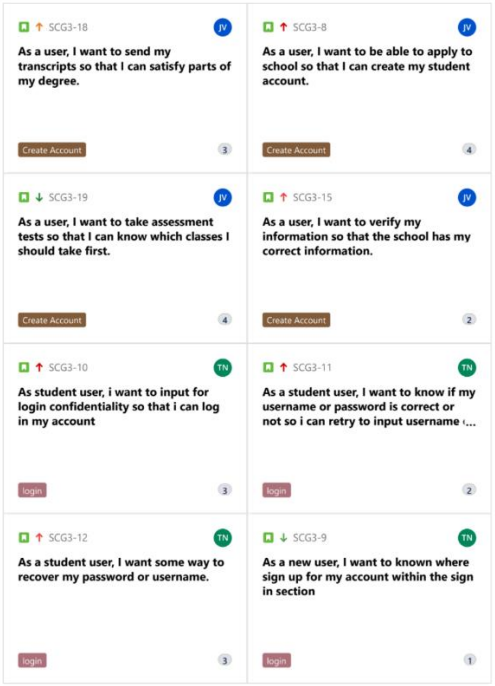
- User
- Account
- Student
- Professor
- Class Info
- Class Cart
- Schedule Search
- Login
- Forget Password
- Search Professor Rating

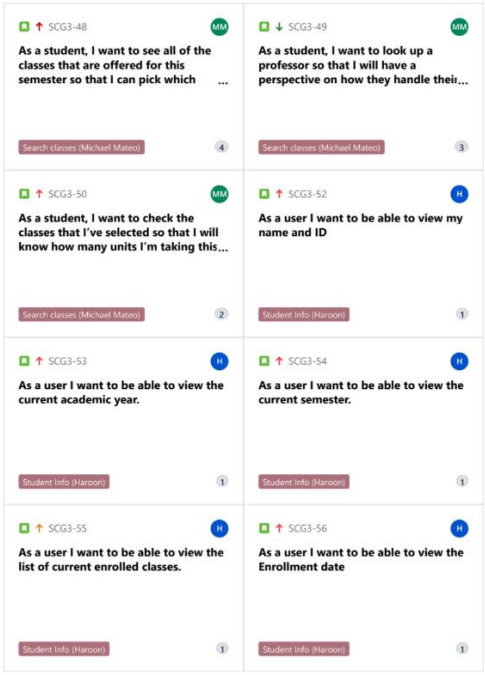
Product Backlog

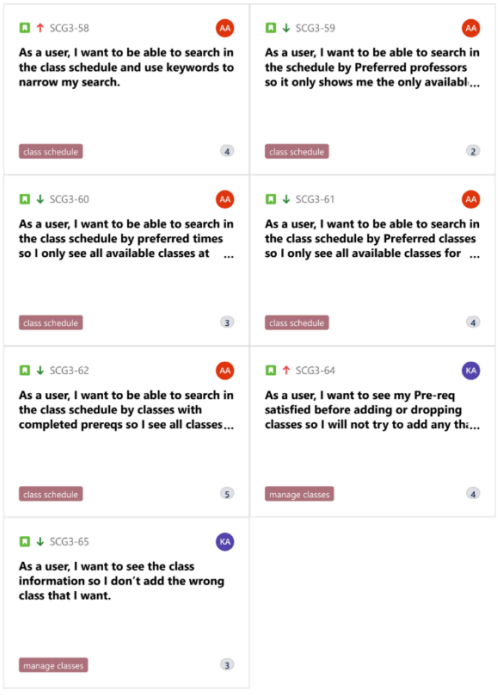


Epic	APR	MAY	JU
SCG3-7 Create Account			
SCG3-18 As a user, I want to send my transcripts so that I can satisfy parts of my degree. TO DO JOSIAH VIL...			
SCG3-8 As a user, I want to be able to apply to school so that I can create my student account. TO DO JOSIAH VIL...			
SCG3-19 As a user, I want to take assessment tests so that I can know which classes I should take first. TO DO JOSIAH VIL...			
SCG3-15 As a user, I want to verify my information so that the school has my correct information. TO DO JOSIAH VIL...			
SCG3-36 login (Thuong nguyen)			
SCG3-10 As student user, i want to input for login confidentiality so that i can log in my account TO DO THUONG N...			
SCG3-11 As a student user, I want to know if my username or password is correct or not so i can retry to input username or password. TO DO THUONG N...			
SCG3-12 As a student user, I want some way to recover my password or username. TO DO THUONG N...			
SCG3-9 As a new user, I want to known where sign up for my account within the sign in section TO DO THUONG N...			
SCG3-63 Manage Classes (khalid)			
SCG3-64 As a user, I want to see my Pre-req satisfied before adding or dropping classes so I will not try to add any that I'm not qualifie... TO DO KHALID AB...			
SCG3-65 As a user, I want to see the class information so I don't add the wrong class that I want. TO DO KHALID AB...			
SCG3-47 Managing classes 2nd half (Michael Mateo)			
SCG3-48 As a student, I want to see all of the classes that are offered for this semester so that I can pick which schedule/professor fits b... TO DO MICHAEL...			
SCG3-49 As a student, I want to look up a professor so that I will have a perspective on how they handle their classes TO DO MICHAEL...			
SCG3-50 As a student, I want to check the classes that I've selected so that I will know how many units I'm taking this semester. TO DO MICHAEL...			
SCG3-51 Student Info (Haroon)			
SCG3-52 As a user I want to be able to view my name and ID TO DO HMOHAM...			
SCG3-53 As a user I want to be able to view the current academic year. TO DO HMOHAM...			
SCG3-54 As a user I want to be able to view the current semester. TO DO HMOHAM...			
SCG3-55 As a user I want to be able to view the list of current enrolled classes. TO DO HMOHAM...			
SCG3-56 As a user I want to be able to view the Enrollment date TO DO HMOHAM...			
SCG3-57 class schedule (Aziz)			
SCG3-58 As a user, I want to be able to search in the class schedule and use keywords to narrow my search. TO DO ABDULA...			
SCG3-59 As a user, I want to be able to search in the schedule by Preferred professors so it only shows me the only available class for a... TO DO ABDULA...			
SCG3-60 As a user, I want to be able to search in the class schedule by preferred times so I only see all available classes at selected tim... TO DO ABDULA...			
SCG3-61 As a user, I want to be able to search in the class schedule by Preferred classes so I only see all available classes for the Prefer... TO DO ABDULA...			
SCG3-62 As a user, I want to be able to search in the class schedule by classes with completed prereqs so I see all classes that are avail... TO DO ABDULA...			

PBI Cards


SCG3-18
JV
As a user, I want to send my transcripts so that I can satisfy parts of my degree.
Create Account
3
SCG3-8
JV
As a user, I want to be able to apply to school so that I can create my student account.
Create Account
4
SCG3-19
JV
As a user, I want to take assessment tests so that I can know which classes I should take first.
Create Account
4
SCG3-15
JV
As a user, I want to verify my information so that the school has my correct information.
Create Account
2
SCG3-10
TN
As student user, i want to input for login confidentiality so that i can log in my account
login
3
SCG3-11
TN
As a student user, I want to know if my username or password is correct or not so i can retry to input username
login
2
SCG3-12
TN
As a student user, I want some way to recover my password or username.
login
3
SCG3-9
TN
As a new user, I want to known where sign up for my account within the sign in section
login
1


SCG3-48
MM
As a student, I want to see all of the classes that are offered for this semester so that I can pick which
Search classes (Michael Mateo)
4
SCG3-49
MM
As a student, I want to look up a professor so that I will have a perspective on how they handle their
Search classes (Michael Mateo)
3
SCG3-50
MM
As a student, I want to check the classes that I've selected so that I will know how many units I'm taking this
Search classes (Michael Mateo)
2
SCG3-52
H
As a user I want to be able to view my name and ID
Student Info (Haroon)
1
SCG3-53
H
As a user I want to be able to view the current academic year.
Student Info (Haroon)
1
SCG3-54
H
As a user I want to be able to view the current semester.
Student Info (Haroon)
1
SCG3-55
H
As a user I want to be able to view the list of current enrolled classes.
Student Info (Haroon)
1
SCG3-56
H
As a user I want to be able to view the Enrollment date
Student Info (Haroon)
1


SCG3-58
AA
As a user, I want to be able to search in the class schedule and use keywords to narrow my search.
class schedule
4
SCG3-59
AA
As a user, I want to be able to search in the schedule by Preferred professors so it only shows me the only availabl
class schedule
2
SCG3-60
AA
As a user, I want to be able to search in the class schedule by preferred times so I only see all available classes at
class schedule
3
SCG3-61
AA
As a user, I want to be able to search in the class schedule by Preferred classes so I only see all available classes for
class schedule
4
SCG3-62
AA
As a user, I want to be able to search in the class schedule by classes with completed prereqs so I see all classes
class schedule
5
SCG3-64
KA
As a user, I want to see my Pre-req satisfied before adding or dropping classes so I will not try to add any th
manage classes
4
SCG3-65
KA
As a user, I want to see the class information so I don't add the wrong class that I want.
manage classes
3