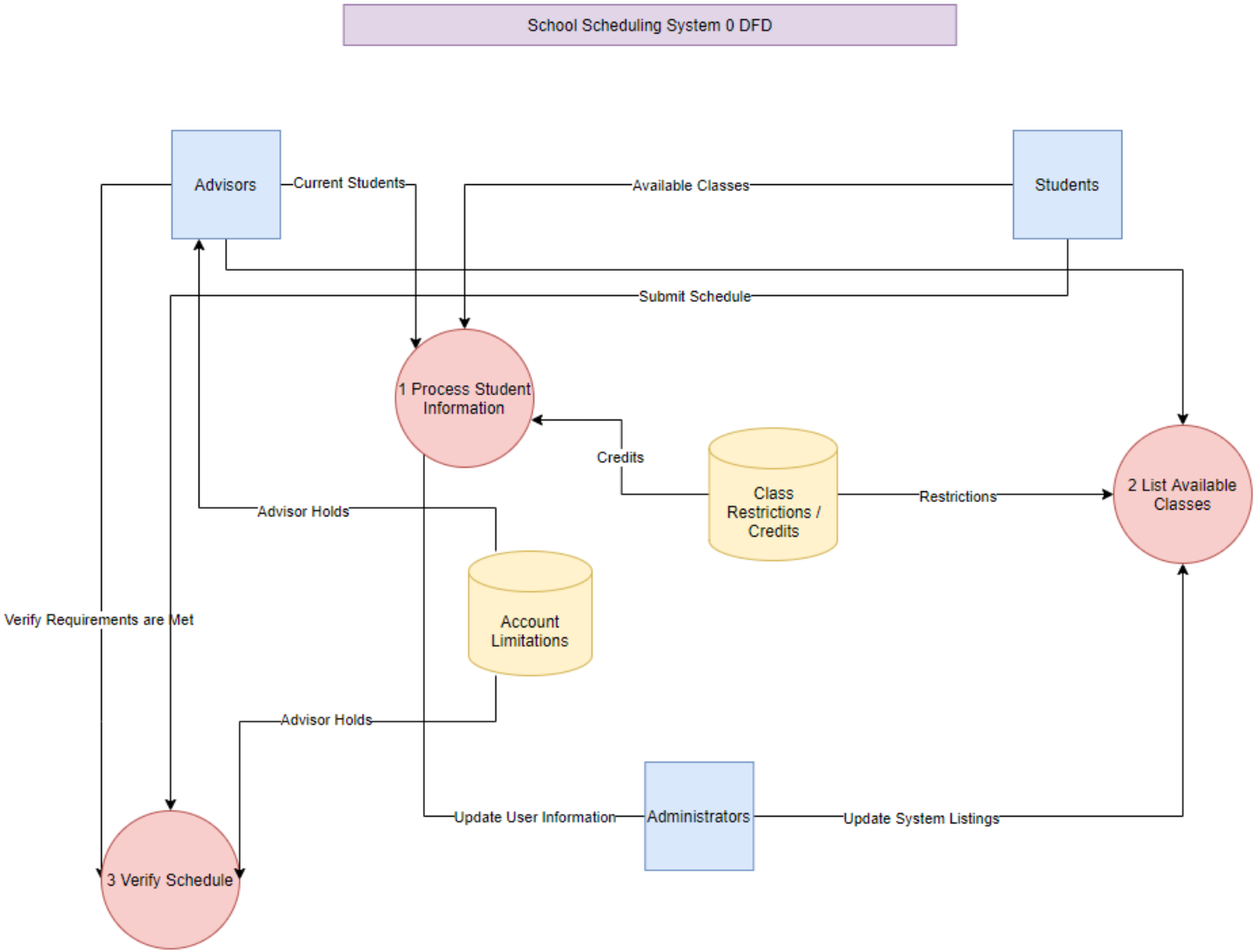
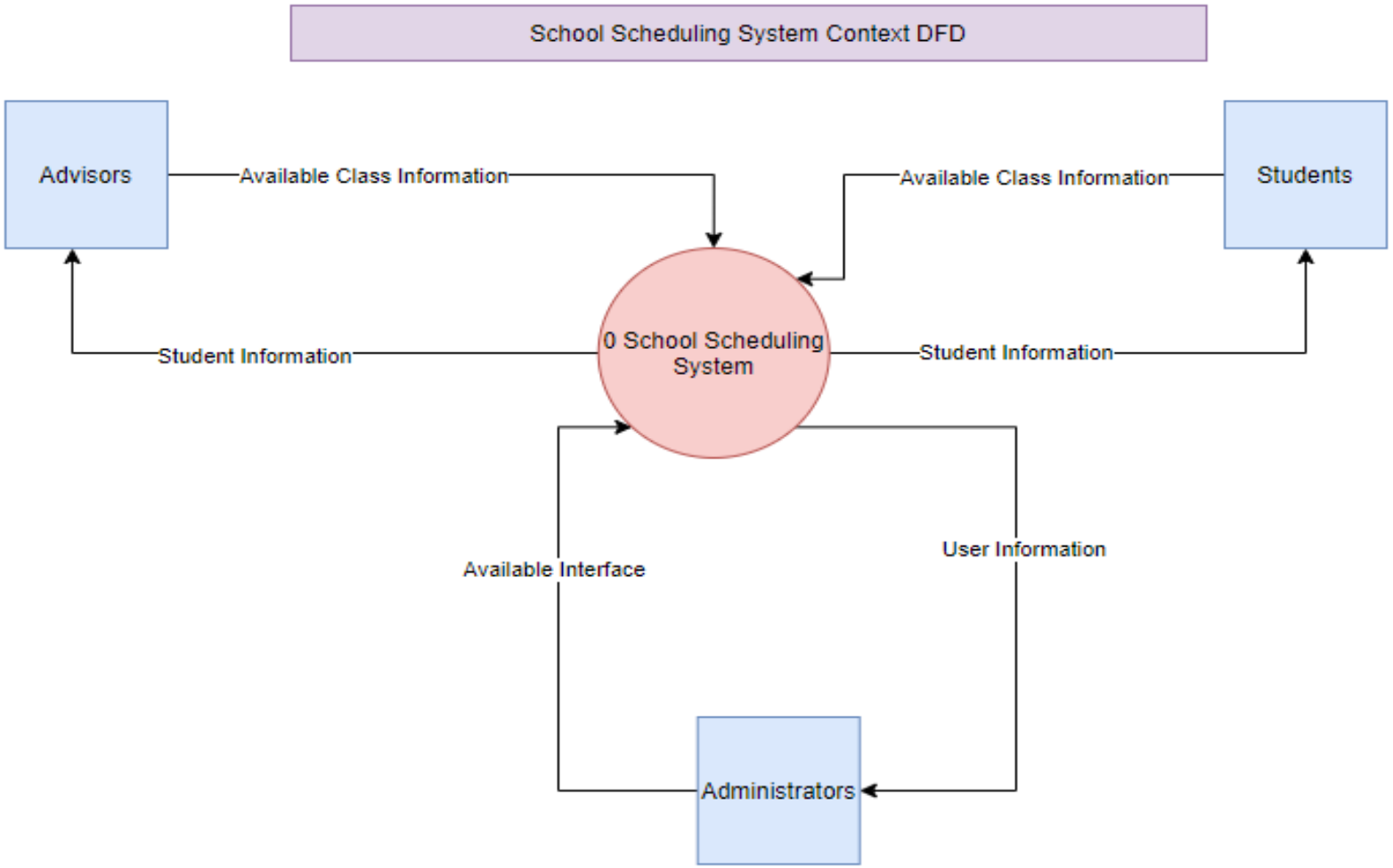
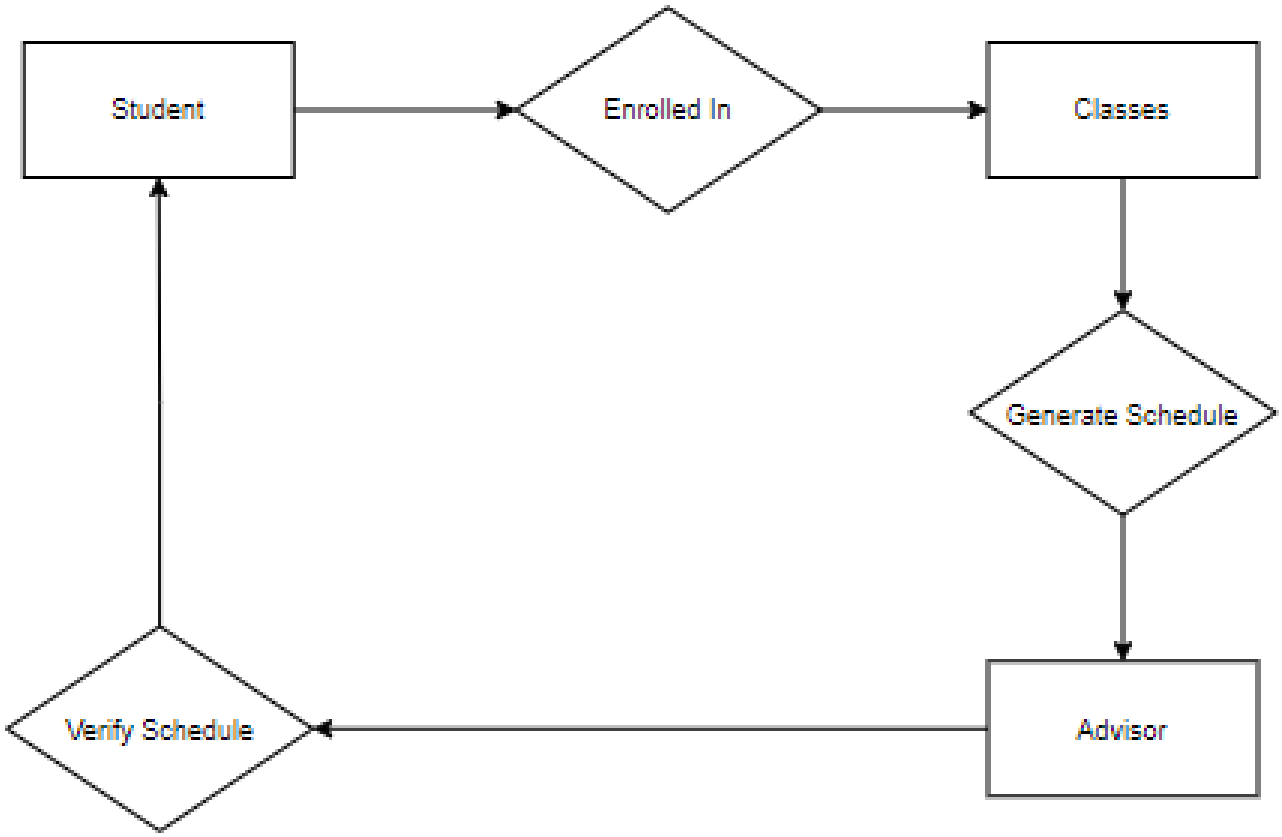
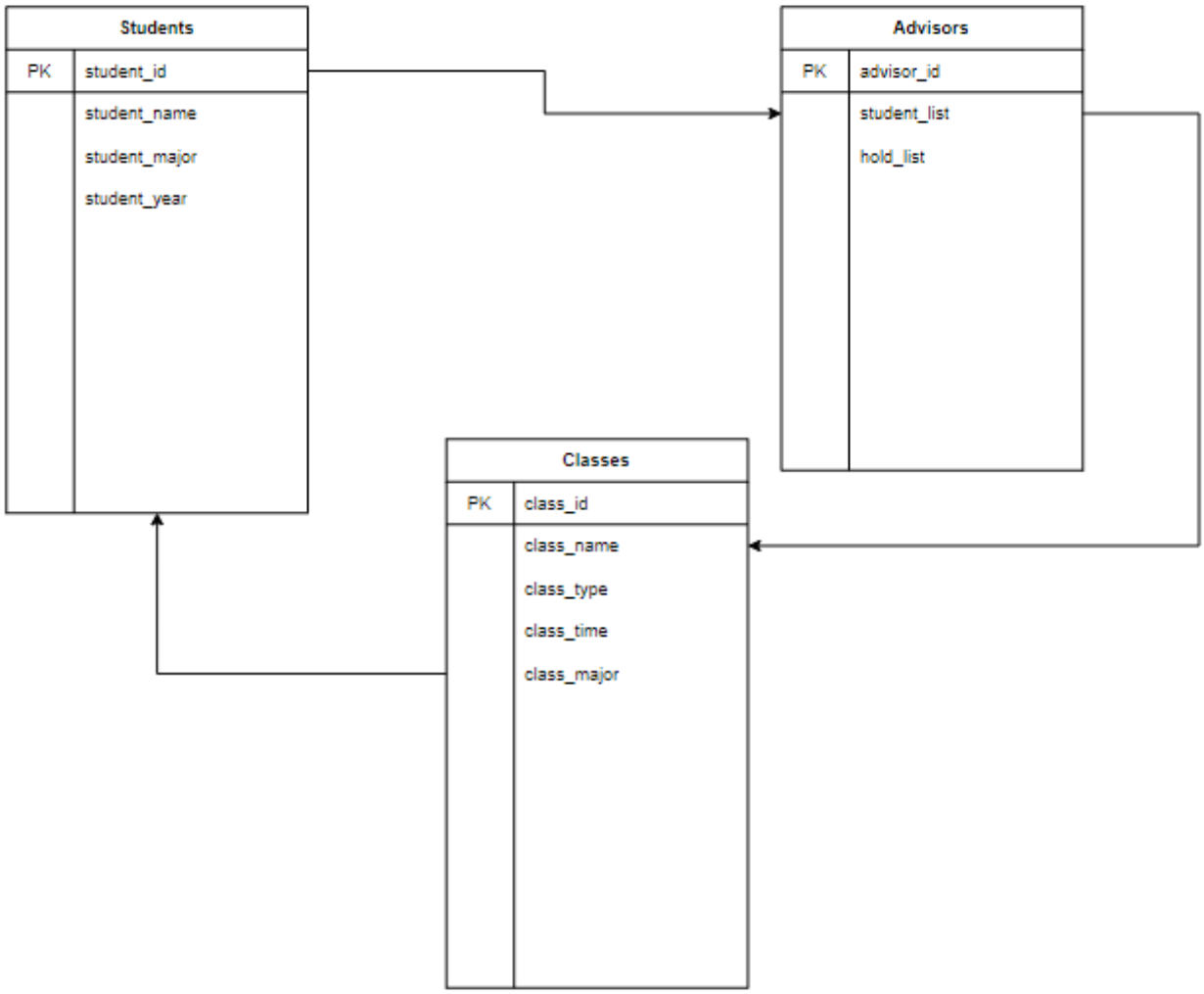

School Scheduling System 0 DFD
Advisors
Current Students
Available Classes
Students
Submit Schedule
1 Process Student Information
Credits
Class Restrictions / Credits
Restrictions
2 List Available Classes
Advisor Holds
Account Limitations
Verify Requirements are Met
Advisor Holds
Update User Information
Administrators
Update System Listings
3 Verify Schedule


School Scheduling System Context DFD
Advisors
Available Class Information
Available Class Information
Students
0 School Scheduling System
Student Information
Student Information
Available Interface
User Information
Administrators


Student
Enrolled In
Classes
Generate Schedule
Advisor
Verify Schedule

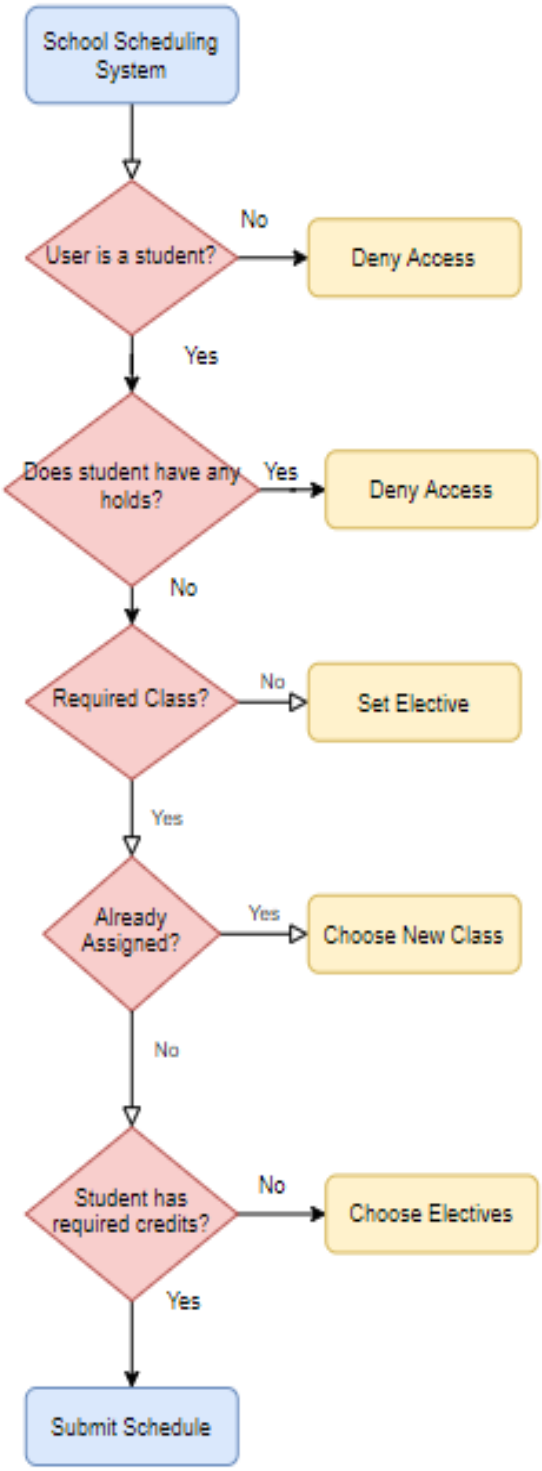
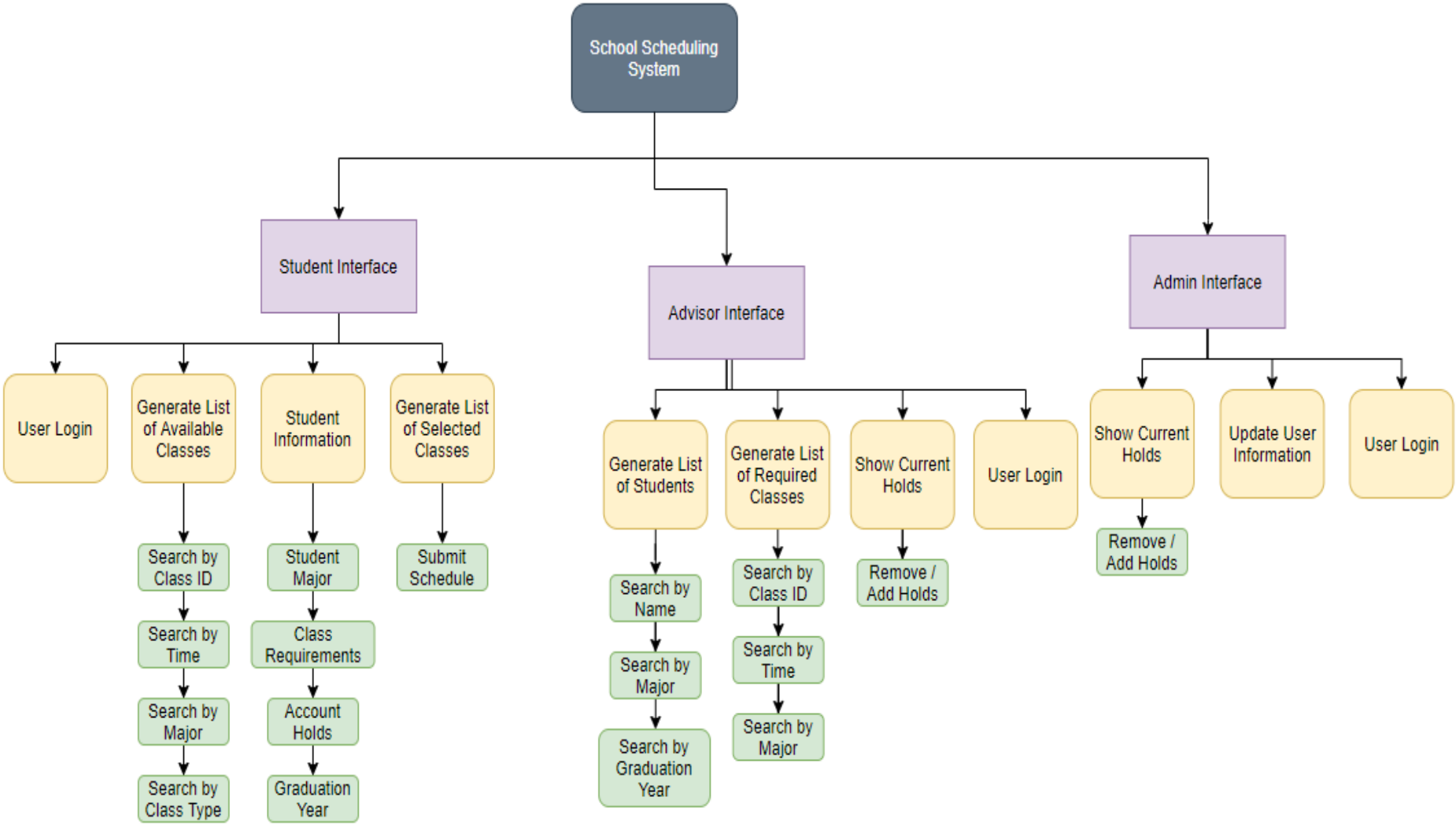

Students
PK
student_id
student_name
student_major
student_year
Advisors
PK
advisor_id
student_list
hold_list
Classes
PK
class_id
class_name
class_type
class_time
class_major

3NF:
Student *(student_id, student_name, student_major, student_year)*
Class *(class_id, class_name, class_type, class_time, class_major)*
Advisor *(advisor_id, student_list, hold_list)*

student_id	student_name	student_major	student_year
JAD_123	*Jane Doe*	*CIST*	*2023*
JOD_456	*John Doe*	*Nursing*	*2022*

class_id	class_name	class_type	class_time	class_major
001	*Technology of Computing*	*Major Required*	*11 AM - 12:45 PM*	*CIST*
002	*Photography*	*Elective*	*2 PM - 3:30 PM*	*N/A*

advisor_id	student_list	hold_list
RKS_789	*JAD_123*	*JAD_123*
MKS_023	*JOD_456*	*N/A*


School Scheduling System
User is a student?
No
Deny Access
Yes
Does student have any holds?
Yes
Deny Access
No
Required Class?
No
Set Elective
Yes
Already Assigned?
Yes
Choose New Class
No
Student has required credits?
No
Choose Electives
Yes
Submit Schedule

Macayla Smith