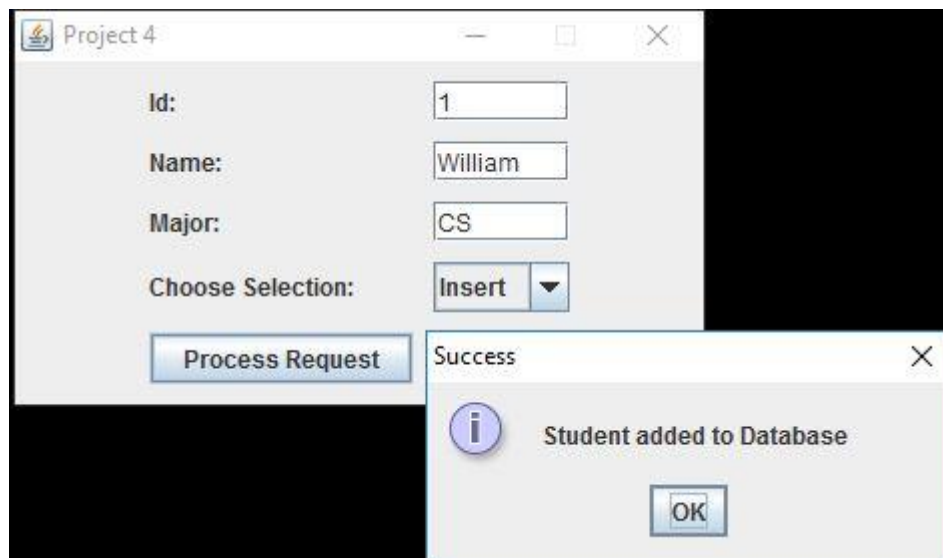
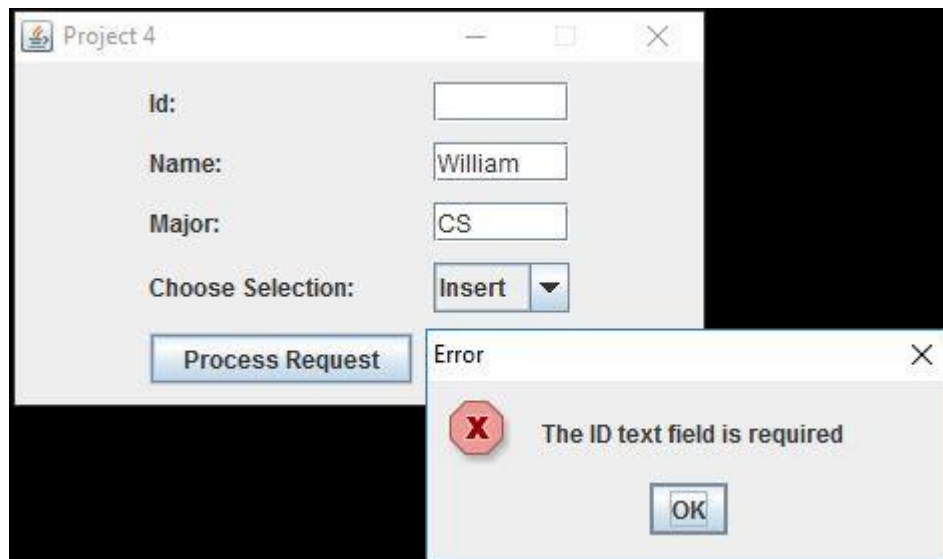


William Crutchfield

CMIS 242

3/4/2017

Final Product



Project 4


Id:

Name:

Major:

Choose Selection: ▼

Error

 ID already exists in database

Project 4


Id:

Name:

Major:

Choose Selection:

Success

 Student found in Database

Name: William
Major: CS
GPA: 4.00

Project 4


Id:

Name:

Major:

Choose Selection: ▼

Success

 Student record was updated

Project 4

Id:

Name:

Major:

Choose Selection: Find ▼

Process Request

Error

✖ ID does not exist in database

OK

Project 4

Id:

Name:

Major:

Choose Selection: Update ▼

Process Request

Choose grade:

?

B ▼

OK Cancel

Project 4

Id:

Name:

Major:

Choose Selection: Update ▼

Process Request

? Choose credits: 3 ▼

OK Cancel

Project 4

Id:

Name:

Major:

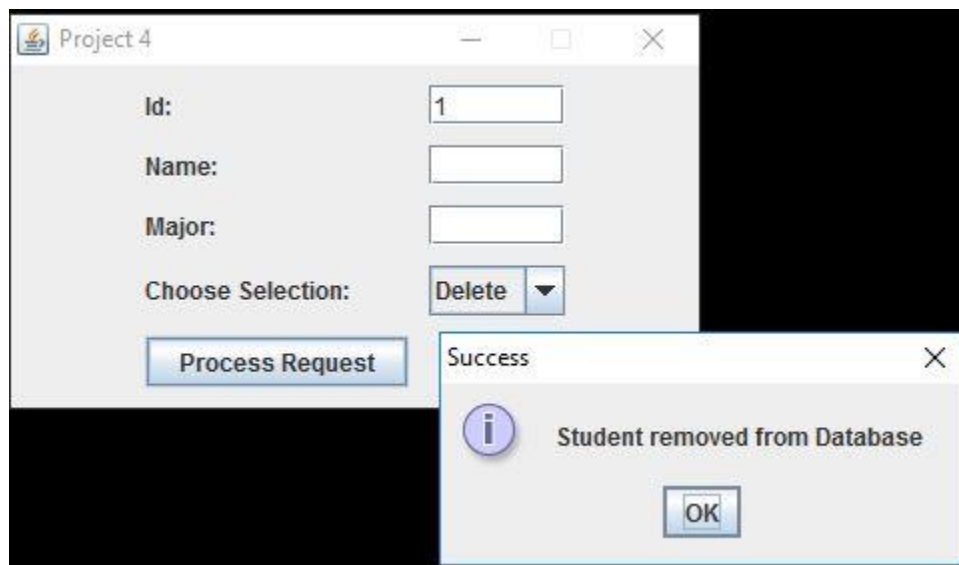
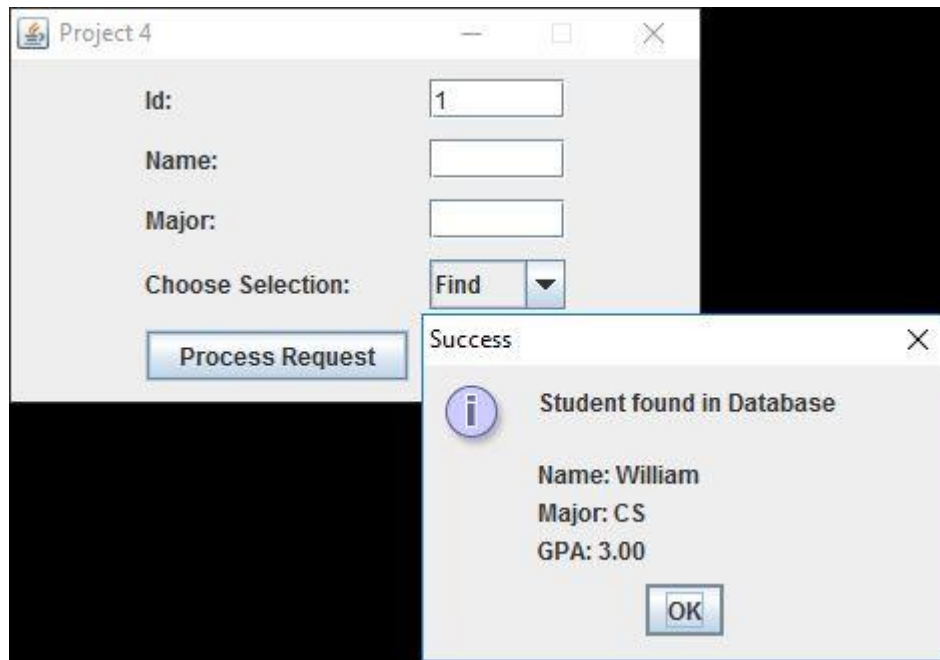
Choose Selection: Update ▼

Process Request

Success

i Student record was updated

OK



Above is window captures of the completed program.

Test Cases

Much of the testing I did for this project was related to the GPA calculation. For some reason, I was having trouble in the cumulative credits being correct.

#	Input	Output	Result	P/F
1	Grade: (Blank) Credits: (Blank)	GPA: (Blank)	Needs to default to 4.0	F

2	Grade: (Blank) Credits: (Blank)	GPA: 4.00	Fixed	P
3	Grade: A,F Credits: 6,6	GPA: 0.00	Incorrect credit calculation	F
4	Grade: A,F Credits: 6,6	GPA: 2.00	Calculation Fixed	P

Overall, this project was very fun! It helped me have a much better understanding of creating databases and being able to use HashMaps in Java. HashMaps were something I had heard about before, but had very little experience with. It was an informative, and challenging project. If there is anything I could have done better please let me know!