

## **CS3200 Final Project**

### **Database driven software for NEU Co-ops**

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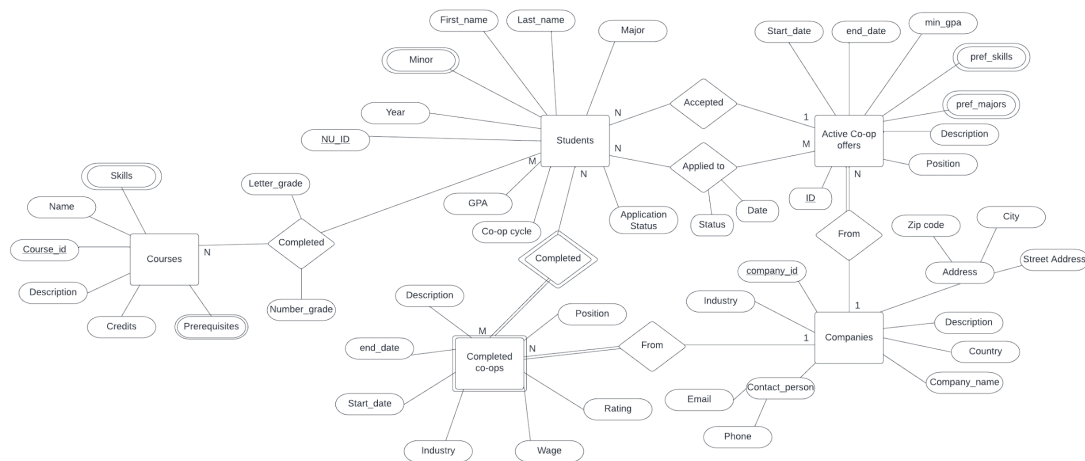
11/22/2022

## ER Diagrams for each persona

### Student Persona

The student will be able to access all information about their own entity, so that they can use this information together with their advisor to make informed choices about how to proceed with their co-op application process. They will also be able to access all information about active co-op offers and the companies, in order for them to choose where to apply based on this information. The students will also have access to data on their own previously completed co-ops, and some statistics derived from other students' experiences at different co-ops.

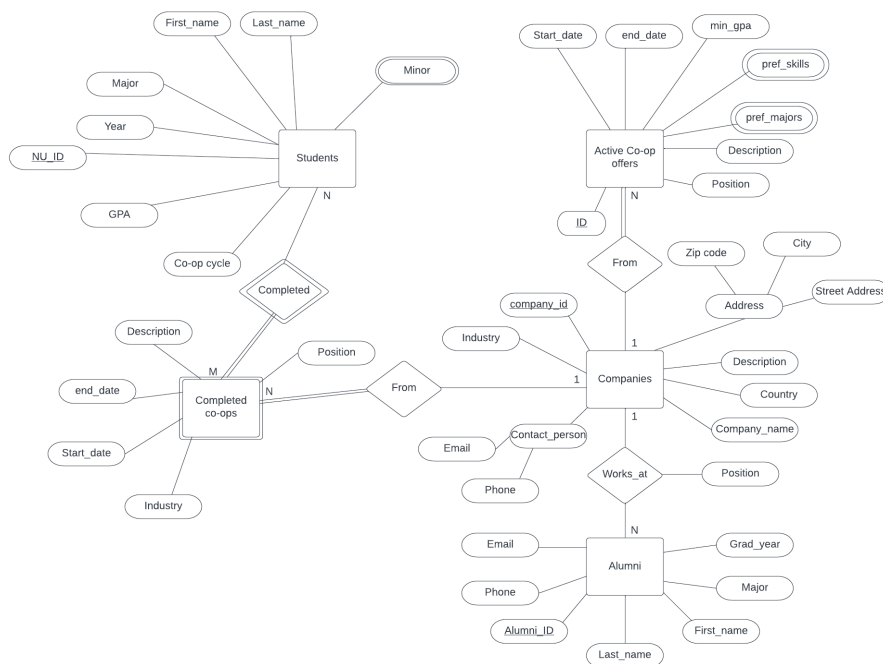
Student Persona ER Diagram



## Company Persona

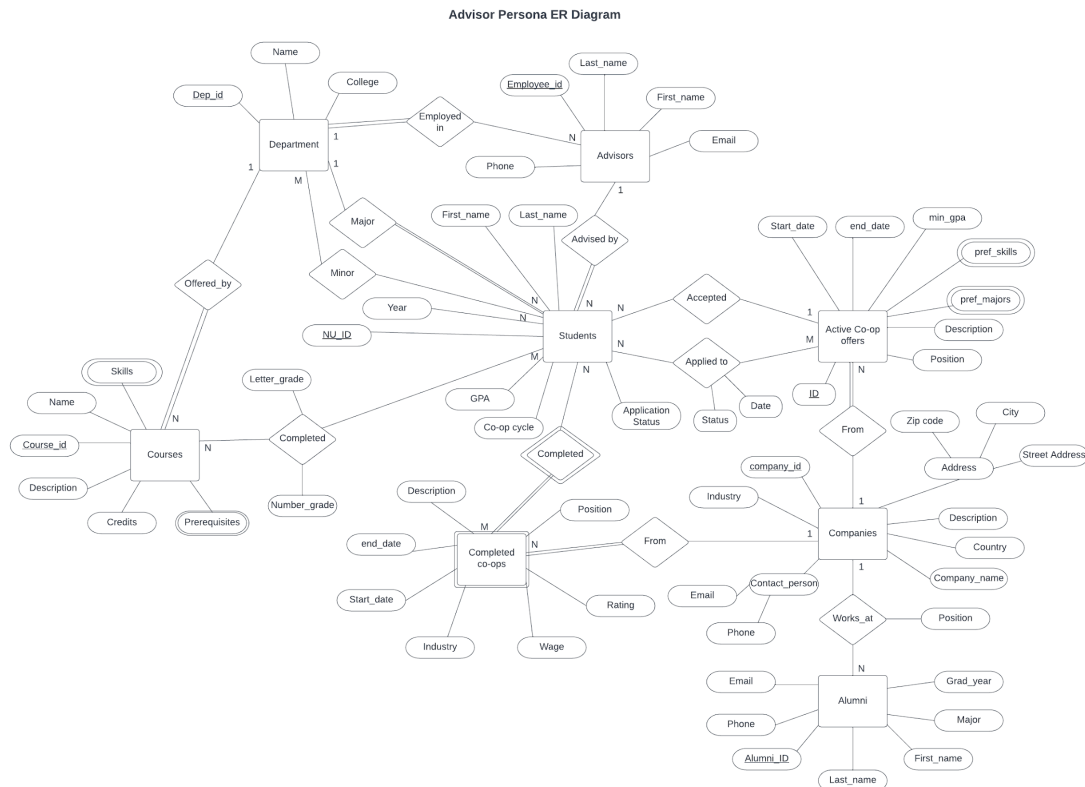
The companies will be able to access selected information about students when they have applied to their co-ops, in order to assess their applications in the best way possible. They will not be able to see where they have applied elsewhere to protect the privacy of students. They will also not be able to access specific data on students such as which courses they have completed and their grades for each course. However, companies will be able to access some information on previously completed coops by students, so that they can assess whether they are a good fit for their co-op offers. The employers will also be able to access information on alumni working in their company.

Company Persona ER Diagram

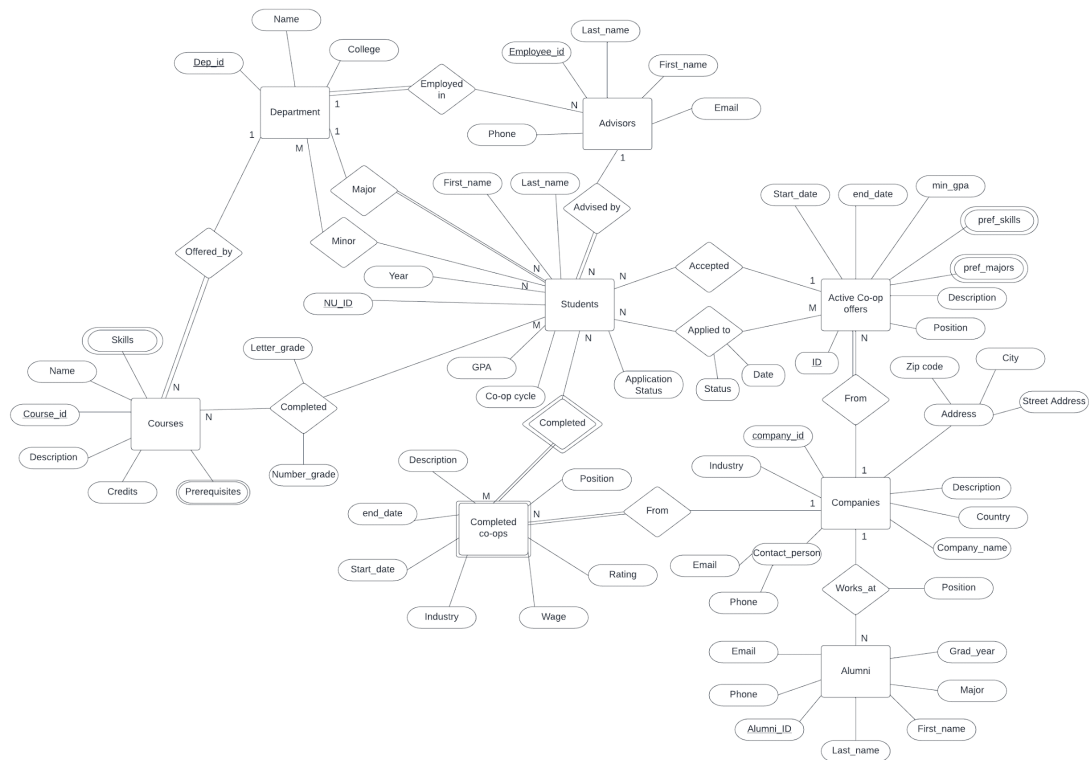


## Advisor Persona

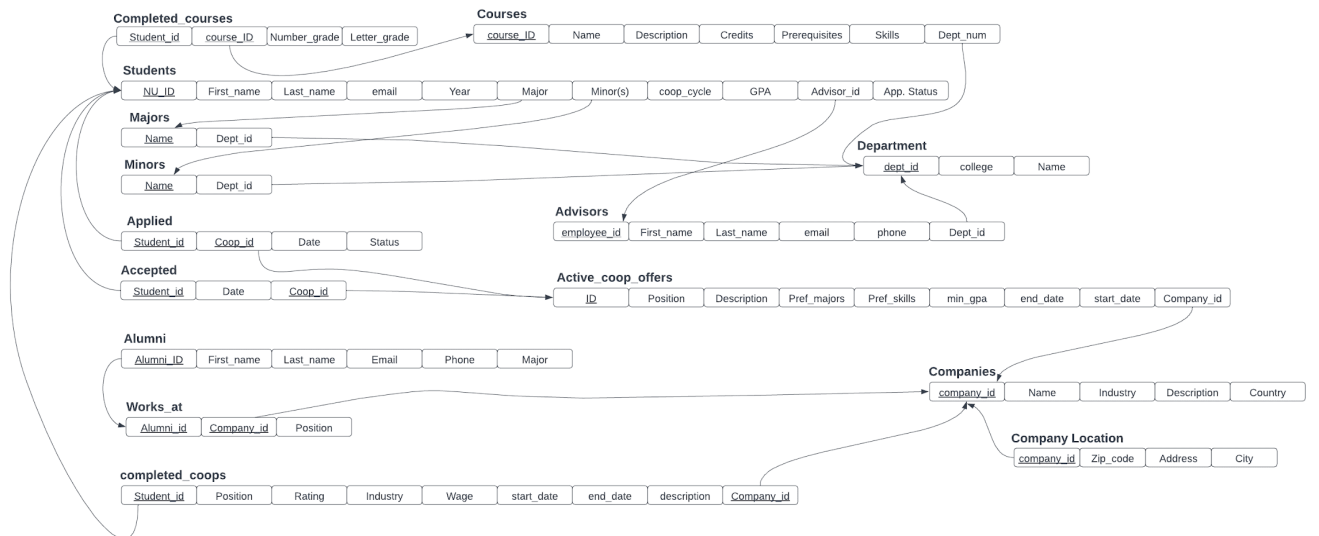
The advisor will be able to access all information for all entities, in order to best help the student find the ideal co-ops. By being able to access information about the classes and skills they have developed, they can make more informed choices about how to advise their students. They also have access to alumni information, including in which companies they are working, so that they can reach out to alumni for connections at companies offering co-ops.



## Complete ER Diagram




## Relational Diagram



## Advisor Wireframes

### Northeastern Co-op Service

Logged in as Advisor 

#### Student Search

Major(s) Any ▼  
Co-op cycle Any ▼  
Year Any ▼  
Application Status Any ▼  
Name


Search

#### Co-op Search

Desired Major(s) Any ▼  
Min GPA Any ▼  
Field Any ▼  
Location Any ▼  
Position Any ▼  
Comp. Name


Search

#### Student Results

Name	Year	Co-op cycle	Major	App. Status
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▲
	NU ID	001763869	Interests	6 interests ▼
	Email	ferguson.s@northeastern.edu	Applied to	23 co-ops ▼
	GPA	3.64	Active offers	2 offers ▼
	Minor(s)	Finance	Declined offers	1 offers ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼
Steve Ferguson	Sophomore	Fall	Business Admin.	Applying ▼

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### Northeastern Co-op Service

Logged in as Advisor 

#### Student Search

Major(s) Any ▼  
Co-op cycle Any ▼  
Year Any ▼  
Application Status Any ▼  
Name


Search

#### Co-op Search

Desired Major(s) Any ▼  
Min GPA Any ▼  
Industry Any ▼  
Location Any ▼  
Position Any ▼  
Comp. Name

Search


#### CO-OP Results

Position	Company	Field	Location	Pref. Majors
Software Dev.	ABC INC	CS	Boston	CS, DS ▼
Product Design	ABC INC	CS	Boston	CS, DS, CE ▲
	App. Deadline	10/23/2022	Skills	6 skills preferred ▼
	Email	coop@abcinc.com	Active Applications	16 students ▼
	Min GPA	3.4	Accepted offers	2 students ▼
	Description	..... ▼		
		<a href="#">Contact</a>	<a href="#">Send to Student</a>	
Software Dev.	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
Software Dev.	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼
UI Designer	ABC INC	CS	Boston	CS, DS, CE ▼

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Student Wireframes

Northeastern Co-op Service

Logged in as Student

Search

My Applications

Favorites

Industry

Location

Company

Recommended Major

Keywords


Clear filters

Position	Company	Industry	Location	App. Deadline
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Description .....				
Skills:	Recommended Major:	Min GPA:	Apply	
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022

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Northeastern Co-op Service

Logged in as Student

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Location

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Keywords


Clear filters

Position	Company	Industry	Location	Applied on
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Description .....				
Skills:	Recommended Major:	Send to Advisor	Contact	View Application
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022
Software Designer	Facebook	Social Media	Boston	11/2/2022

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## Company Wireframes

**Northeastern Co-op Service**Logged in as Company 


**My offers** **Create new offer** **View applications** **Company Profile**

Major(s) ▼ Year ▼ Min GPA ▼ Skills ▼

Clear filters

Name	Major	Year	GPA	Date Applied
Bob Peterson	Mechanical Engineering	Sophomore	3.73	10/28/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
<a href="#">Peter Jackson</a>	Data Science & Business Admin.	Sophomore	3.96	10/25/2022 <span>▼</span>
Pref. Skills: <ul style="list-style-type: none"><li>Python</li><li>SQL</li><li>Financial Accounting <span>▼</span></li></ul> Minor(s): Sociology Email: jackson.p@northeastern.edu Phone: (857) 768-5462				
<a href="#">Contact</a> <a href="#">View Application</a> <a href="#">Schedule Interview</a>				
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>
Name Nameson	Mechanical Engineering	Sophomore	3.50	11/2/2022 <span>▼</span>

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**Northeastern Co-op Service**Logged in as Company 

**My offers** **Create new offer** **View applications** **Company Profile**

All ▼ Sort by ▼

Clear filters

Position	Company	Industry	Location	App. Deadline
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
<a href="#">Software Designer</a>	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Description .....				
Skills: Recommended Major: Min GPA: <a href="#">View Applications</a> <a href="#">Edit</a>				
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>
Software Designer	Facebook	Social Media	Boston	11/2/2022 <span>▼</span>

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