

Catalog View (3 entities)

department	degree	course_code	course_num	course_title	credits
Computer Science and Engineering	Computer Science	CSE	100	Intro to Computing	1
Computer Science and Engineering	Web Design and Development	WDD	130	Web Fundamentals	2
Mathematics	Data Science	MATH	221B	Biostatistics	3
Mathematics	Data Science	MATH	119	Applied Calculus for Data Analysis	4

Section View (4 entities, includes data from the catalog view)

year	term	course	section	first_name	last_name	capacity
2024	Fall	CSE 100	1	John	Parker	35
2024	Fall	WDD 130	1	Reed	Nielsen	30
2024	Fall	WDD 130	2	Reed	Nielsen	30
2024	Fall	MATH 221B	1	George	Martin	40
2024	Fall	MATH 119	1	Michael	Duncan	40
2025	Winter	CSE 100	2	John	Parker	35
2025	Winter	CSE 100	3	John	Parker	35
2025	Winter	WDD 130	1	Reed	Nielsen	30
2025	Winter	WDD 130	2	Reed	Nielsen	30
2025	Winter	MATH 119	1	Michael	Duncan	40

Student View (Queried from existing entity)

first_name	last_name	gender	city	state	birthdate
Marshall	Spence	M	Garland	TX	2000-06-23
Maria	Clark	F	Akron	OH	2002-01-25
Tracy	Woodward	F	Newark	NJ	2002-10-04
Erick	Woodward	M	Newark	NJ	1998-08-05
Lillie	Summers	F	Reno	NV	1999-11-05
Nellie	Marquez	F	Atlanta	GA	2001-06-25
Allen	Stokes	M	Bozeman	MT	2004-09-16
Josh	Rollins	M	Decatur	TN	1998-11-28
Janine	Bowers	F	Rexburg	ID	2004-06-23
Kerri	Shah	F	Mesa	AZ	2003-04-05

Enrollment View (linking table with 2 to 3 foreign keys)

Here's the logic of the linking table:

John	Teacher	CSE 100	Fall 2024	Section 1
John	Teacher	CSE 100	Winter 2025	Section 2
John	Teacher	CSE 100	Winter 2025	Section 3
Reed	Teacher	WDD 130	Fall 2024	Section 1
Reed	Teacher	WDD 130	Fall 2024	Section 2
Reed	Teacher	WDD 130	Winter 2025	Section 1
Reed	Teacher	WDD 130	Winter 2025	Section 2
George	Teacher	MATH 221B	Fall 2024	Section 1
Michael	Teacher	MATH 119	Fall 2024	Section 1
Michael	Teacher	MATH 119	Winter 2025	Section 1
Marshall	Student	CSE 100	Fall 2024	Section 1
Marshall	Student	WDD 130	Fall 2024	Section 2
Maria	Student	MATH 221B	Fall 2024	Section 1
Tracy	Student	MATH 221B	Fall 2024	Section 1
Erick	Student	MATH 119	Fall 2024	Section 1
Lillie	Student	MATH 221B	Fall 2024	Section 1
Lillie	TA	MATH 119	Fall 2024	Section 1
Nellie	Student	CSE 100	Winter 2025	Section 3
Allen	Student	CSE 100	Winter 2025	Section 2
Allen	TA	WDD 130	Winter 2025	Section 1
Allen	Student	MATH 119	Winter 2025	Section 1

Josh	Student	WDD 130	Winter 2025	Section 2
Janine	Student	WDD 130	Winter 2025	Section 2
Kerri	Student	CSE 100	Winter 2025	Section 2