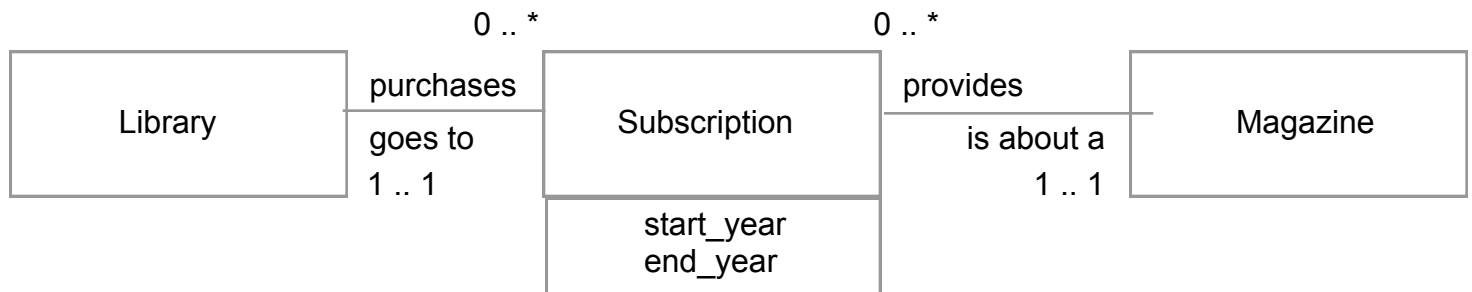


has_many through Assignment

Magazine Subscriptions



Library **has_many** Magazine **through** Subscription
 Magazine **has_many** Library **through** Subscription
 Subscription **belongs_to** Library
 Subscription **belongs_to** Magazine

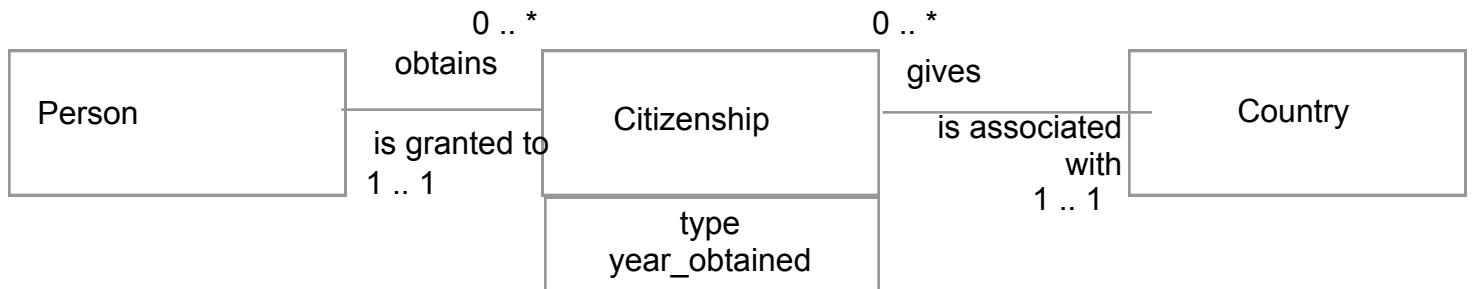
libraries	
id	name
1	Round Rock
2	Kyle

magazines	
id	name
3	The Economist
4	The Atlantic Monthly

subscriptions				
id	library_id	magazine_id	start_year	end_year
20	1	3	1972	2014
30	2	3	1985	
40	2	4	2003	

Left null to indicate
subscription ongoing

Citizenship (Naturalization and Birth)



Person **has_many** Country **through** Citizenship
 Country **has_many** Person **through** Citizenship
 Citizenship **belongs_to** Person
 Citizenship **belongs_to** Country

people	
id	name
1	James
2	Lee

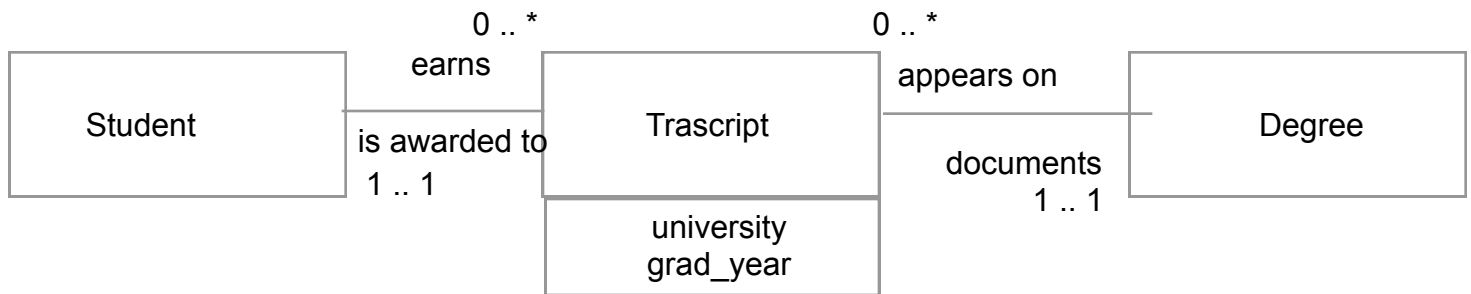
countries	
id	name
3	United Kingdom
4	Australia
5	United States

citizenships				
id	person_id	country_id	type	year_obtained
20	1	3	birth	1975
30	1	4	naturalization	1997
40	2	5	birth	1984
50	2	4	naturalization	2012

Assumption: James was born in 1975, and Lee was born in 1984.

Degree Awarded by University to Students

Received help via email from Kerry Sim



Student **has_many** Degree **through** Transcript
Degree **has_many** Student **through** Transcript
Transcript **belongs_to** Student
Transcript **belongs_to** Degree

students	
id	name
1	Snuyen
2	Anlyan

degrees	
id	name
3	B.A. in Finance
4	M.S. in Information Studies
5	B.A. in History

transcripts				
id	student_id	degree_id	university	grad_year
20	1	3	Peking University	2000
30	1	4	University of Texas at Austin	2012
40	2	5	Harvard University	2010
50	2	4	University of Texas at Austin	2016