HOMEWORK

EDIT DATA

DRY VIEWS

DRY VIEWS

- Through the use of Partial Views
  - Name starts with _ (underscore)
  - Accessed via render partial: command
  - Do not use too many partials
    - Rails Anti-pattern (1)

RELATIONSHIPS

ASSOCIATIONS

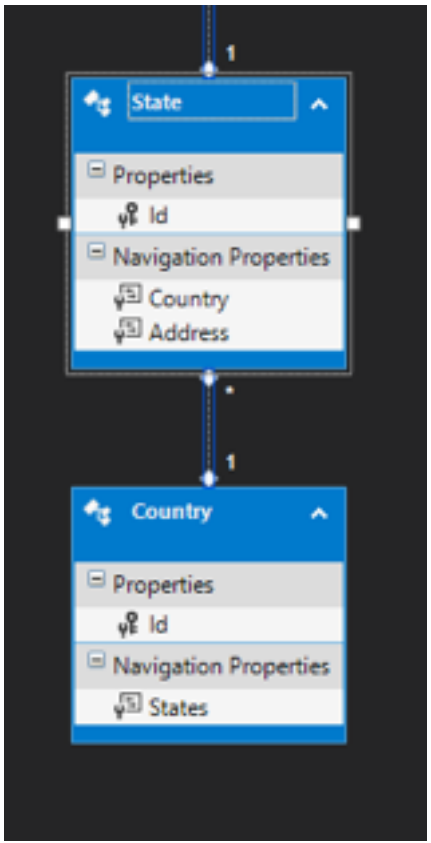
- Relationships are modelled through associations in rails
- Associations have cardinality
  - One to One (1 - 1)
  - One to Many (1 - M)
  - Many to Many (M - M)

ONE TO MANY (1 - M)

- Examples
  - One person has Many friends
  - One country has Many states
  - One account has Many transactions
- 1 object has 1 or More objects
- 1 object belongs to 1 object only
- 1 record in 1 table relates to 1 record in another table

ONE TO MANY (1 - M)

- Example
  - One country has Many states



ONE TO MANY (1 - M)

Countries

Id	Name
1	Australia
2	New Zeland

States

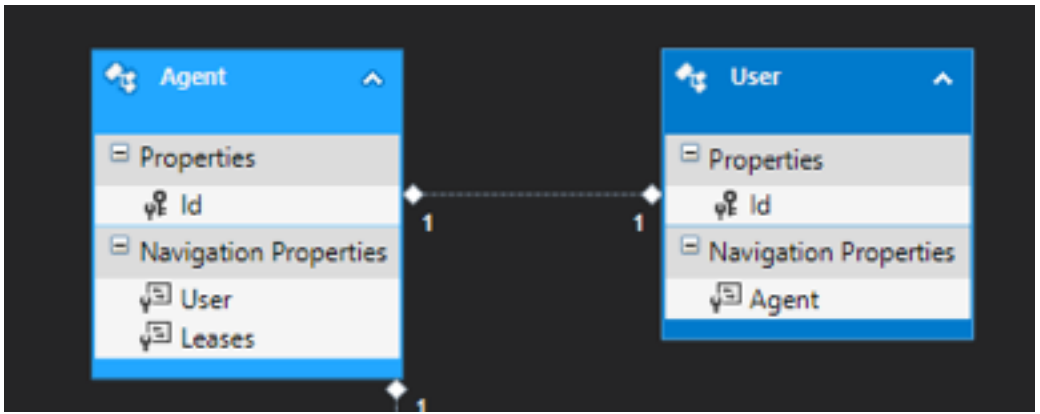
Id	Name	country_id
1	NSW	1
2	QLD	1
3	VIC	1
4	TAS	1
5	SA	1
6	NT	1
7	ACT	1
8	Ottago	2
9	Cantebury	2

ONE TO ONE (1 -1)

- Examples
  - One person has One passport
  - One country has One capital
  - One property has One address
- 1 object relates to 1 and only 1 object
  - Must be true in both directions
- 1 record in 1 table relates to 1 record in another table
  - True in ONE direction only

ONE TO ONE (1 - 1)

- Example
  - One user has One agent



ONE TO ONE (1 - 1)

- Example
  - One user has One agent

Users

Id	Name
1	shirren
2	rahul
3	ben

Agents

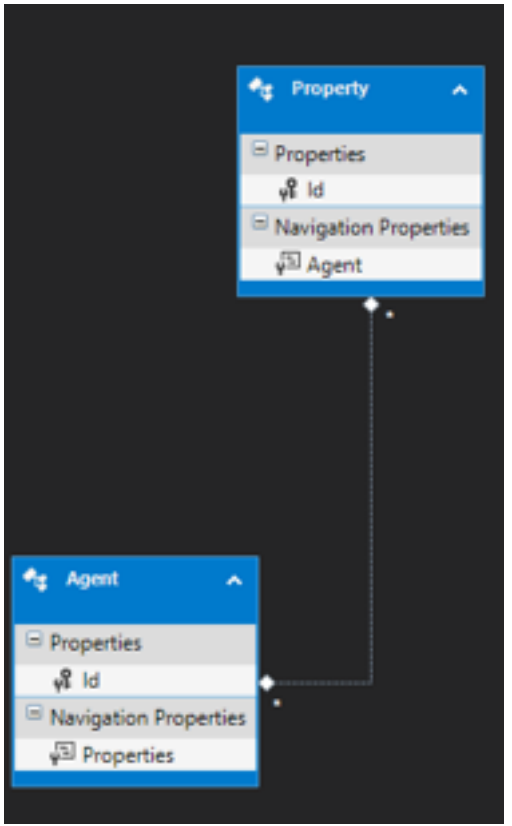
id	staff_no	user_id
1	123456789	2
2	234567890	1
3	345678901	3

MANY TO MANY (M - M)

- Examples
  - Student & Course
    - One student can take Many courses
    - One course can be taken by Many students
  - Agent & Property
    - One agent can lease Many Properties
    - One property can be leased by Many agents over time

MANY TO MANY (M - M)

- Example
  - Agent & Property
    - One agent can lease Many Properties
    - One property can be leased by Many agents over time



MANY TO MANY (M - M)

Agents

id	staff_no	user_id
1	123456789	2
2	234567890	1
3	345678901	3

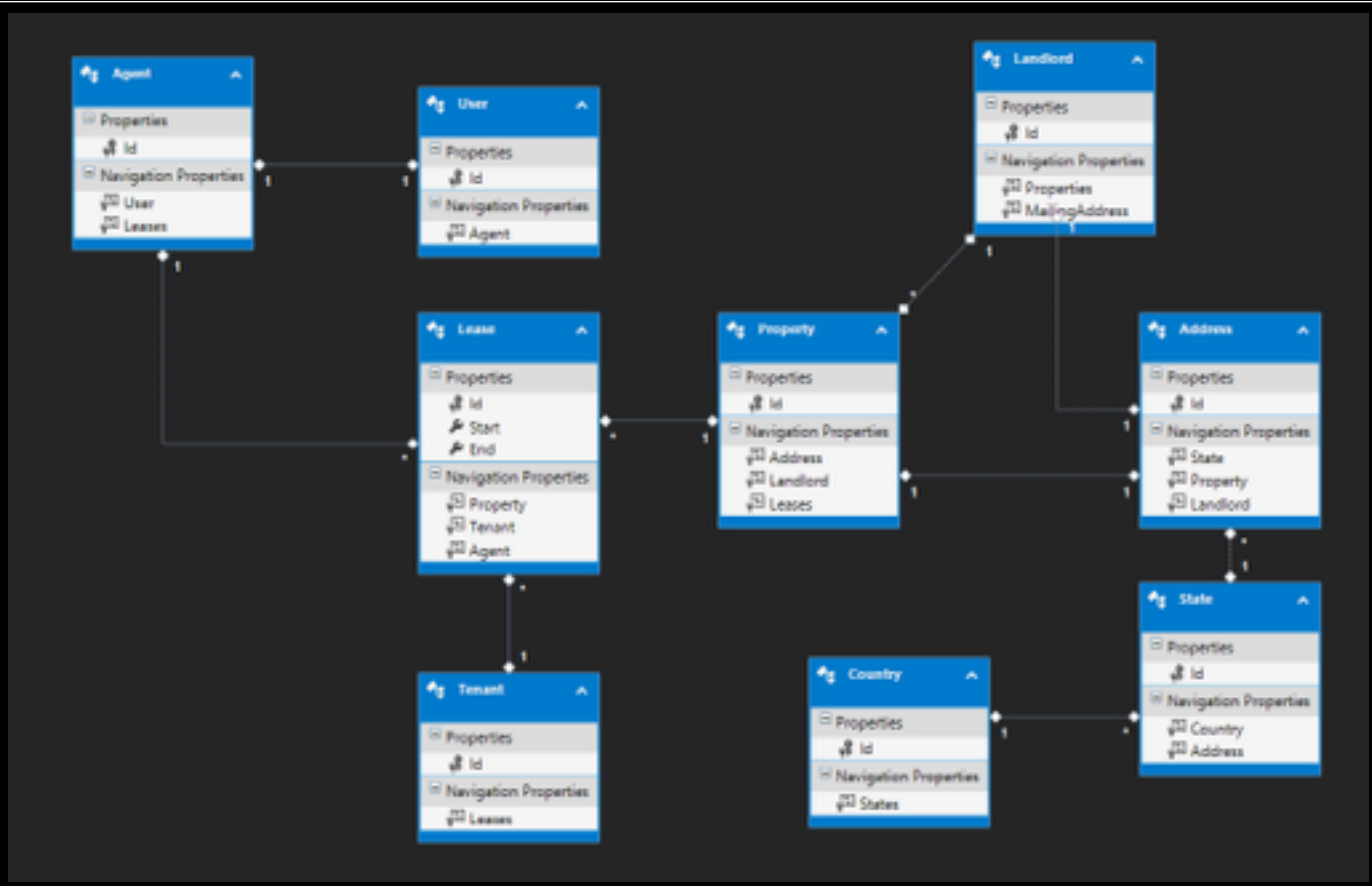
Properties

Id	property_no
1	1234554321
2	2345665432
3	3456776543

Leases

Id	agent_id	property_id	starts	expires
1	1	1	2015-01-01	2016-01-01
2	1	2	2014-12-01	2016-12-01
3	2	3	2015-03-01	2016-03-01

REALDOM MODEL



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