

FUNDAMENTALS

SURVEY

FUNDAMENTALS

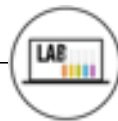
RUBY

FUNDAMENTALS

REALDOM

FUNDAMENTALS

HELPERS



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)



FUNDAMENTALS

RELATIONSHIPS



FUNDAMENTALS

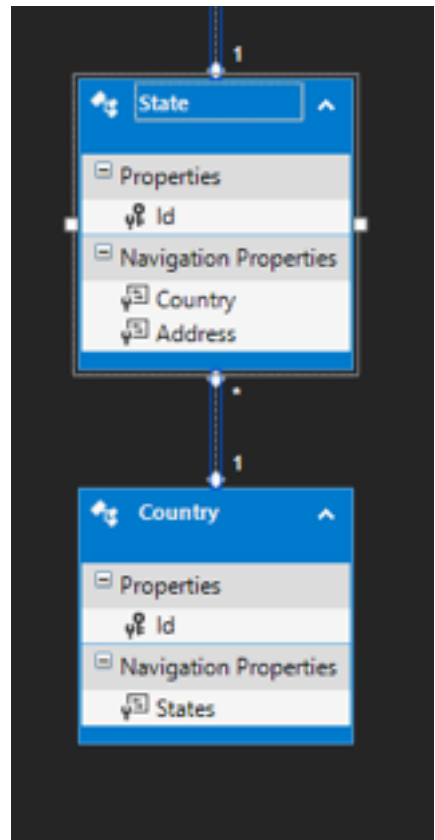
ASSOCIATIONS

- 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)

FUNDAMENTALS

ONE TO MANY (1 - M)

- Example
 - One country has Many states



FUNDAMENTALS

ONE TO MANY (1 - M)

Countries

Id	Name
1	Australia
2	New Zeland

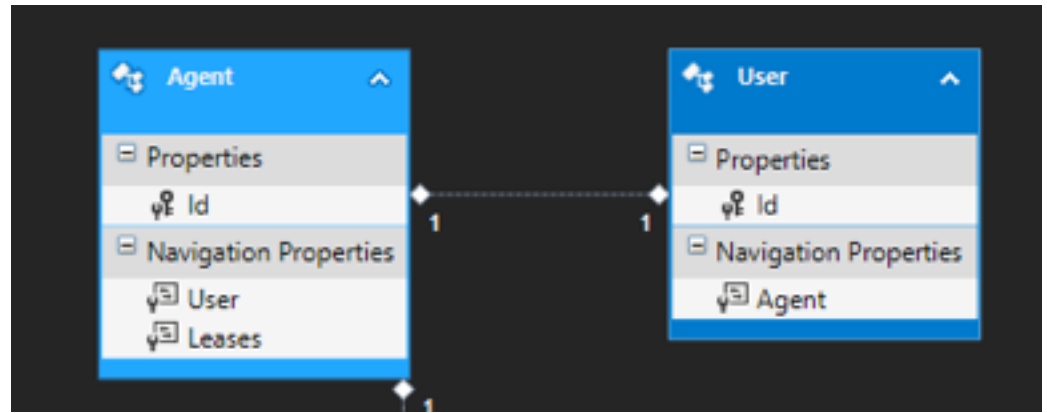
States

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

FUNDAMENTALS

ONE TO ONE (1 - 1)

- Example
 - One user has One agent



FUNDAMENTALS

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

FUNDAMENTALS

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

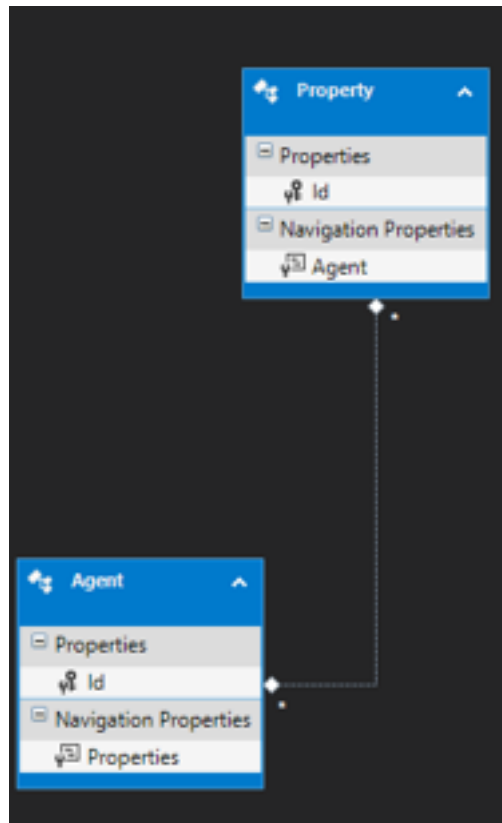
FUNDAMENTALS

MANY TO MANY (M - M)

▸ Example

▸ Agent & Property

- One agent can lease Many Properties
- One property can be leased by Many agents over time



FUNDAMENTALS

MANY TO MANY (M - M)

Agents

id	staff_no
1	123456789
2	234567890
3	345678901

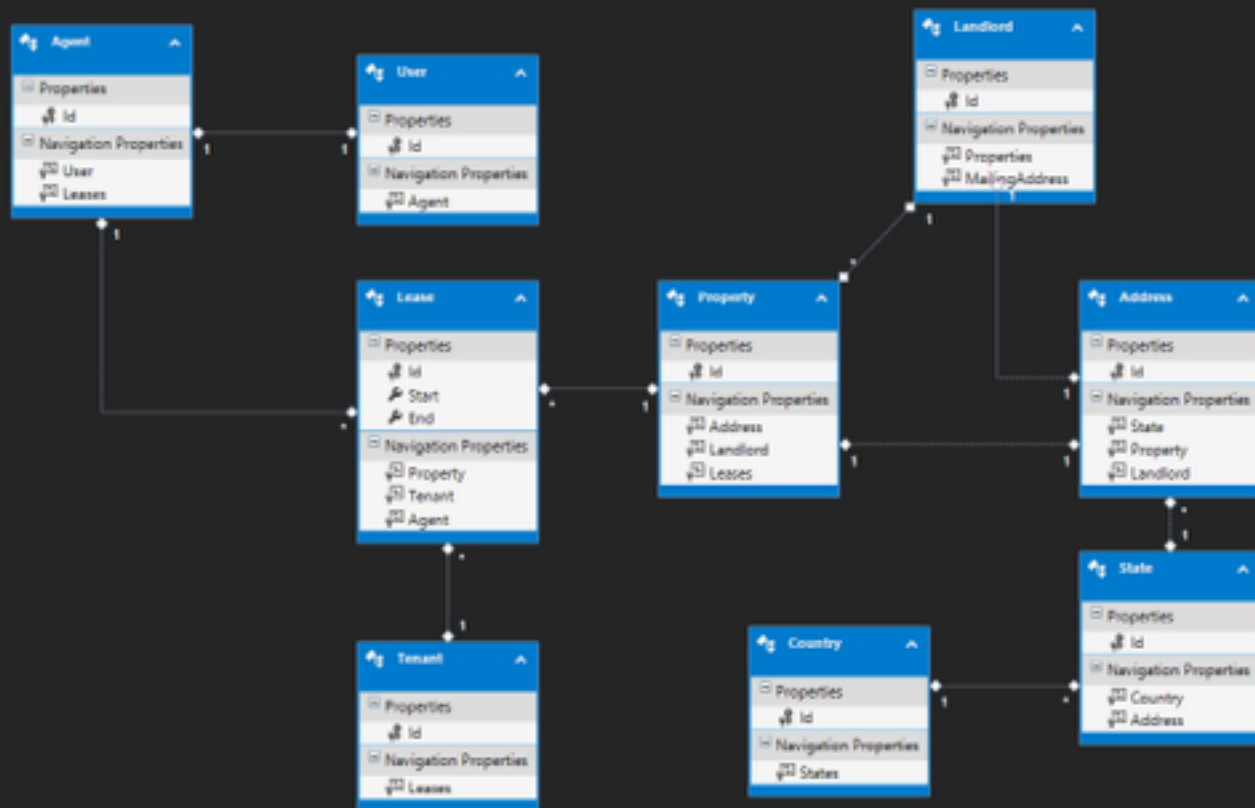
Properties

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
4	3	2	2014-01-01	2016-01-01

REALDOM MODEL



FUNDAMENTALS

SELECT

PAGINATION