

Link users to their followers/followed users

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Lab 7 – Warm Up



POLITECNICO
DI TORINO



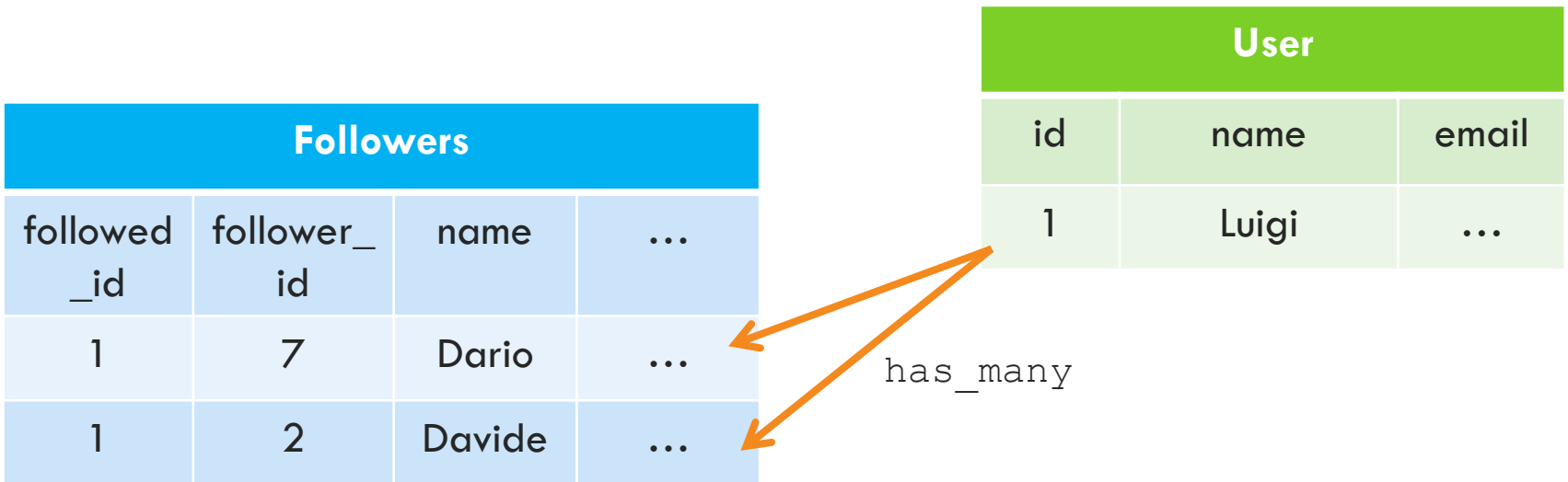
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Relationship model

Relationship model

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- 1 user can have many followers



Relationship model

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- 1 user can have many followed users



Problems...

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- Both the tables are redundant (a lot)!
- What happens when a user updates her name?
 - ▣ We have to update 3 tables instead of 1
- Alternatives?
- Better ways of doing the same thing?

Change perspective!

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- Let's think "REST"!
- What resource is created or destroyed when a user follow or unfollow another user?

Change perspective!

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- Let's think "REST"!
- What resource is created or destroyed when a user follow or unfollow another user?

A RELATIONSHIP

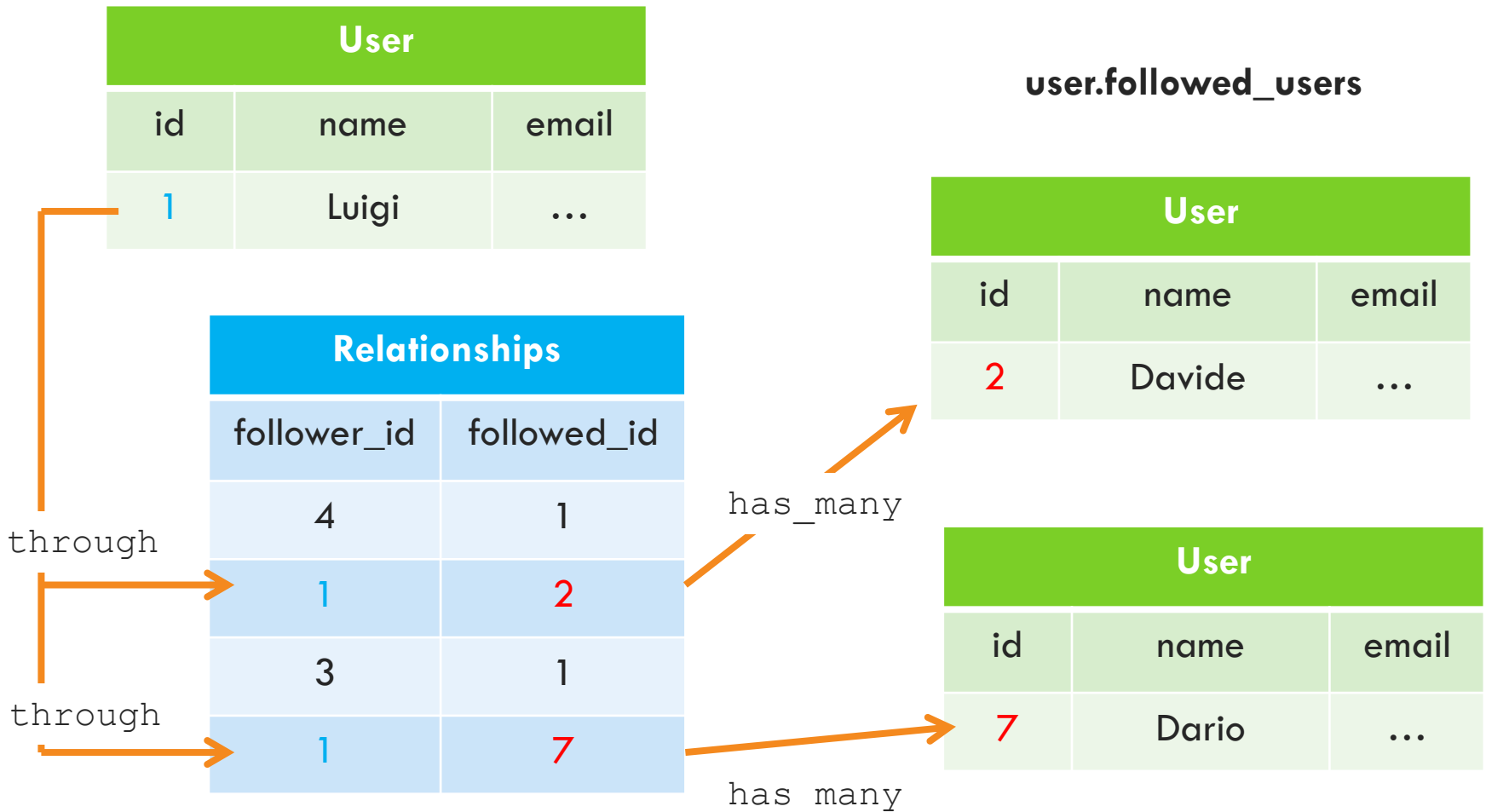
Relationship model

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- A user has many relationship
- A user has many followed users through these relationship
- A user has many followers through these relationships

Relationship model

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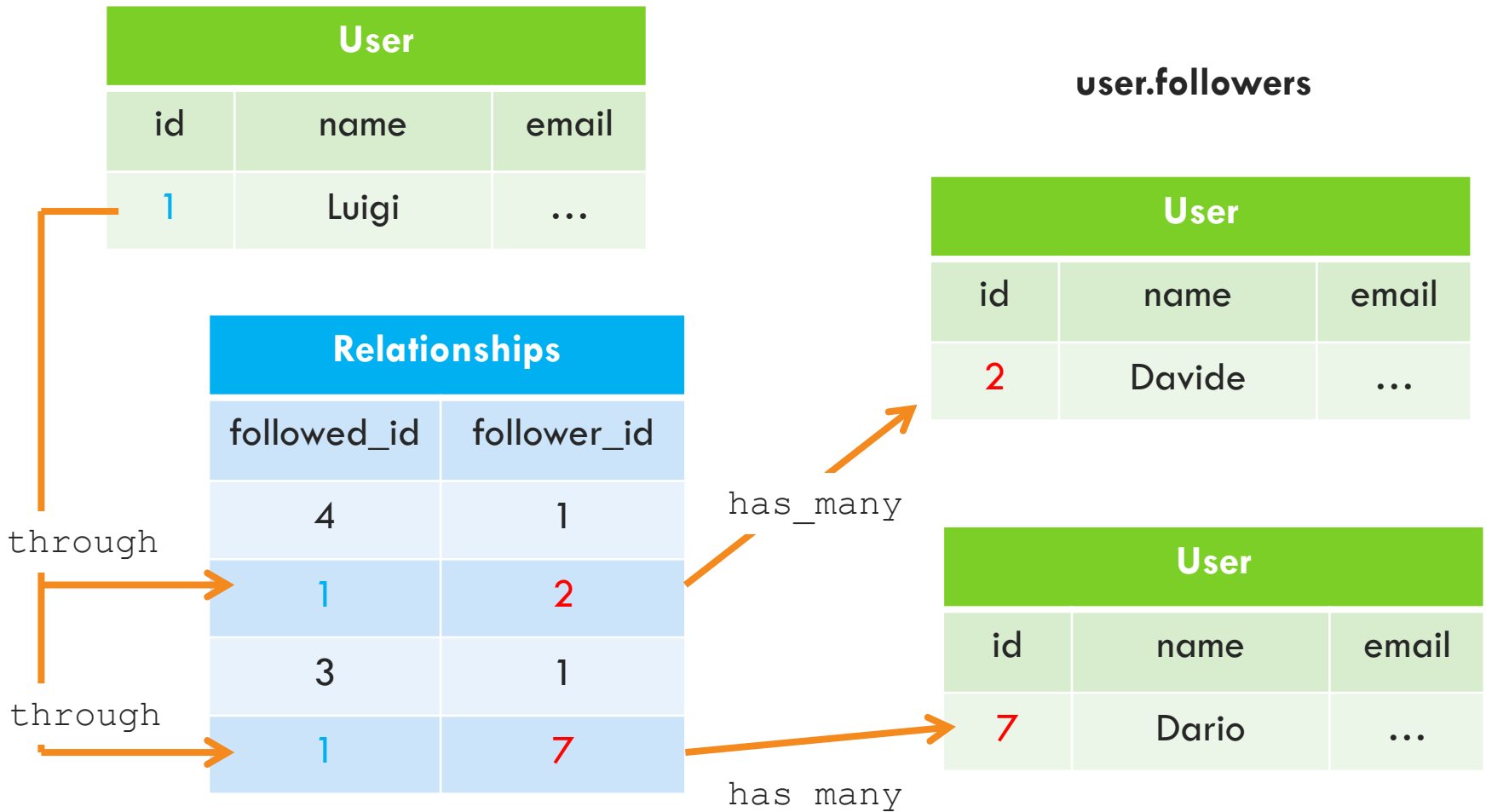
Relationship model

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- 1 user is following many user through the relationship table
 - ▣ has_many :relationships, foreign_key: "follower_id"
 - ▣ has_many :followed_users, through: :relationships, source: :followed

Relationship model

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Relationship model

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- 1 user is followed by many user through the “reverse” relationship table
 - ▣ `has_many :reverse_relationships, foreign_key: “followed_id”, class_name: “Relationship”`
 - ▣ `has_many :followers, through: :reverse_relationships`

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Routes for following users

Routes for following users

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```
resource :users do
  member do
    get :following, :followers
  end
end
```

HTTP Verb	Path	Action	Named helpers
GET	/users/:id/followers	followers	followers_user_path(:id)
GET	/users/:id/following	following	following_users_path(:id)

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