

Elisabeth Boldewijn

Paul Van motman

relational data assignment

8 November 2016

Language Learning Model Diagram

+

{ Blog Application II: BCrypt }

Goal:

- * 1 I want to build an app which matches users on languages they want to learn
- * 2 Build a basic blogging app where users can register, login, logout, - create a post, - view a list of their own posts, - view a list of everyone's posts, - view a specific post, including the comments people have made about it, - leave a comment on a post

Necessary info:

- * 1 users, register form, login form, languages (fluent), languages (want to learn)
- * 2 register form, login form, logout button, post form, posts,

Modules this app needs to run:

- * 1 + 2 pg, express, pug, sequelize, and body-parser

Models:

- * 1 User, LanguageF & language they want to learn?
- * 2 User & Messages

Columns:

- * 1 name, email & password
- * 1 language (fluent) & language (learn)
- * 2 name, email, password
- * 2 body

Datatypes:

- * 1 STRING & BOOLEAN
- * 2 STRING

Define models (example) :

```
let User = db.define( 'user', {  
  name: sequelize.STRING,  
  email: { type: sequelize.STRING, unique: true }  
} )
```

```
let Language = db.define( 'language', {  
  fluent0: sequelize.BOOLEAN,  
  fluent1: sequelize.BOOLEAN,  
  learn0: sequelize.BOOLEAN,  
  learn1: sequelize.BOOLEAN,  
} )
```

Define relationships (example):

```
User.hasMany( Language )  
Language.belongsTo( User )
```

Routes:

- * 1 '/index' & '/match'
- * 2 '/index', '/profile', '/posts', '/result' & '/registration'

(login and logout will redirect to homepage, the search bar will also be on the homepage)

Sketch language app

Language desires

users / languages	English	German	French	Mandrin	Spanish
Iris	F	L	L		F
Finn		F			L
Nathan	L		F		L
Natasha	F			L	

* F = fluent

* L = language they want to learn

When Iris signs on, she'll be matched with Finn and Nathan.

When Finn or Nathan sign on, they'll be matched with Iris.

Natasha will not be matched with anyone until the site has more users.

User {string}

	Iris	Finn	Nathan	Natasha
name				
email				
language-F				
language-L				

Part 1:

You currently have two tables: Users and Languages. Draw a diagram that describes how you will store users' desired languages and users' fluent languages, including any added tables you need, as well as those tables' columns.

Languages {boolean}

	English	German	French	Mandrin	Spanish
fluent0					
fluent1					
learning0					
learning1					

Part 2:

When a user logs on to your site, describe the algorithm you will use to match that user with other users. Starting with the current user's id, how will you fetch his desired and fluent languages? What will you do after that?

Or I create two tables, a fluent one and a learning one???? -> Yes

Example code

[do not forget to synch]

```
db.sync( {force: true} ).then( db => {
  console.log( 'Synced' )
  User.create({
    name: 'Kai',
    email: 'kai@gmail.com',
    password: ***
  }).then( user => {
    user.createLanguageF( {
      : 'pandahat',
      brim: false,
      height: 1,
      material: 'cotton'
    })
    user.createLanguageL( {
      English: true
      German: false
      French: true
      Mandrin: true
      Spanish: false
    })
  })
})
```

Sketch Blog app

Necessary exercises which contain the code structure:

- * Squil (sequelize & promise structure)
- * Reldata (relating data)
- * ex7 (adding users / searching users / keyup function)
- * forum (blog layout)
- * nom nom (login / logout / profile)

What I still need to figure out:

- * How to link the matched search results from the database to the results page
- * How to not show the password
- * Creating RESTful routes
- * Tip! - -> Do Not Forget To Commit Your Steps! ^_^

User:

name: 'Kai',
email: 'kai@gmail.com',
password: '***'

Message:

body: ' '

```
User.create( {  
  name: 'Kai',  
  email: 'kai@gmail.com',  
  password: '***'  
} ).then( user => {  
  user.createBody( {  
    message: ' '  
  } )  
} )
```