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Odsjek za računarstvo i informatiku
Praktikum - Napredne web tehnologije

Quotebook
Dokumentacija

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Sarajevo, 23.3.2015. god.

Sadržaj

Analiza

Opis i upotreba

Za šta se koristi?

It's a place to store and share your favorite quotes.
Collect quotes that inspire YOU.
Keep your quote collection organized.

Quotebook je lična kolekcija citata.
Svaki korisnik odabire u koje svrhe i koje citate želi sačuvati, organizovati, a po želji i podijeliti sa drugima.

Za ljubitelje citata više nema potrebe za slanjem emailova samom sebi, izgubljenih i razasutih stikera, te nepreglednih dokumenata.
Quotebook ima za cilj da olakša sakupljanje (dodavanje), centralizovanje, pretragu i pregled citata bilo koje vrste: izreke poznatih ličnosti, dirljivi izrazi djece, citati iz stručne literature, podvučene rečenice iz omiljene knjige…

Odlika ove aplikacije jeste da ne dolazi popunjena citatima, već omogućava korisniku da pravi vlastitu kolekciju ideja koje se njega tiču.

Ko koristi?

- **Roditelji**

Kako bi zabilježili emotivne, smiješne i posebne izreke svoje djece ili druge značajne porodične trenutke.

- **Studenti**

Prilikom pretraživanja i rada na studentskim esejima, seminarskim radovima, stručnim i naučnim radovima, člancima...

- **Pisci**

U trenucima inspiracije za bilješke ideja za svoja djela.

- **Govornici**

Za pripremu predavanja/debata, referencirajući se na ranije spašene citate iz relevantnih izvora (knjiga, predavanja...) kao vid argumentacije.

- **Svi**

Kao izvor inspirativnih i motivacionih izreka značajnih upravo njihovoj ličnosti.

Postojeća rješenja

Quotebookapp

URL: http://quotebookapp.com/

Quotebook is where you collect quotes that matter. Curate, organize, and share the quotes
from your library in an app designed for readability. Build your collection over time, and
your favorite quotes will always be with you on all your devices.

- Add quotes seamlessly from life, books, and friends
- Discover more about the people and places that inspire you
- Share quotes with the people who matter, no matter where they are
- Tag and search quotes to find the perfect one when you need it most
- Collect quotes on your phone and they'll be waiting at home on your iPad
- Information about your authors and sources is automatically downloaded from Wikipedia

The app goes one step further and makes it super-simple to import quotes found in your iPhone's clipboard, and plays nicely with @author names, automatically opening a Twitter profile within a web view. Quotes can be searched and filtered, shared on Twitter, Facebook and Tumblr, or browsed by author and tag using the buttons in the bottom toolbar.

NEDOSTATAK: App samo za iPhone/iPad.

Screen 1

Quotes

🔍 Search

Secretly, we're all a little more absurd than we make ourselves out to be.
J.K. Rowling — Jul 30

I long so much to make beautiful things. But beautiful things require effort — and disappointment and perseverance.
Vincent van Gogh in Letters — Jul 28

Design is not just what it looks like and feels like. Design is how it works.
Steve Jobs — Jul 24

The value of a college education is not the learning of many facts but the training of the mind to think.
Albert Einstein — Jun 10

It's easier to do trivial things that are urgent than it is to do important things that are not urgent.
John Cleese — May 30

I dream my painting, and then I paint my dream.
Vincent van Gogh in Marry Your Muse — Mar 14

The more I think it over, the more I feel

I long so much to make beautiful things. But beautiful things require effort — and disappointment and perseverance.

Vincent van Gogh ⓘ

Letters ⓘ

Art   Beauty   Perserverance   New Tag

★   ★   ★   ★   ★

July 28, 2014 at 2:23 PM

Screen 2

‹ Authors **Vincent van Gogh**

Vincent van Gogh was a post-Impressionist painter of Dutch origin whose work had a far-reaching influence on 20th-century art.

I long so much to make beautiful things. But beautiful things require effort — and disappointment and perseverance.
Letters — Jul 28

I dream my painting, and then I paint my dream.
Marry Your Muse — Mar 14

The more I think it over, the more I feel that there is nothing more truly artistic than to love people.
The Self-portraits — Jan 8

I dream my painting, and then I paint my dream.

Vincent van Gogh ⓘ

Marry Your Muse ⓘ

No Tags

·   ·   ·   ·   ·

March 14, 2014 at 10:04 AM

Quotebook

💬 Quotes	455	›
👤 Authors	238	›
📖 Sources	92	›
🏷 Tags	54	›

Design creates culture. Culture shapes values. Values determine the future.

Robert Peters

Save Quote

The value of a college education is not the learning of many facts but the training of the mind to think.

👤 Albert Einstein ⓘ

📖 Unsourced

🏷 College   Education   Thinking   New Tag

★ ★ ★ • •

June 10, 2014 at 10:04 AM

Authors

A

A		
Aaron Sorkin	4	
Ada Lovelace	3	
Alan Kay	1	
Albert Einstein	5	
Aristotle	2	
Arthur Conan Doyle	1	
B		
Banksy	1	
Bo Burnham	2	
C		
Carl Sagan	1	
Charles Darwin	3	
D		
David Foster Wallace	2	
Dieter Rams	4	
Douglas Adams	2	
Dr. Seuss	3	

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It's easier to do trivial things that are urgent than it is to do important things that are not urgent.

👤 John Cleese ⓘ

📖 Unsourced

🏷 Creativity   Time   New Tag

★ ★ ★ ★ ★

May 30, 2014 at 1:04 PM

Pullquote

URL: http://pullquote.com/

Once you've installed the app and set it all up, just browse as you would usually. When you find a quote you like, highlight it and you'll see a menu with some options pop up. Simply select Tweet, make whatever modifications you like, and post. You can even save your favorite quotes with tags for easy access later. Pullquote also makes it easy to tweet an image. When you find an image you like, click the Quote It button in the corner of the image, crop as needed, and tweet it.

NEDOSTATAK: Ne može se organizovati po autorima; samo Chrome ekstenzija.

Quotabl.es

URL: http://quotabl.es/
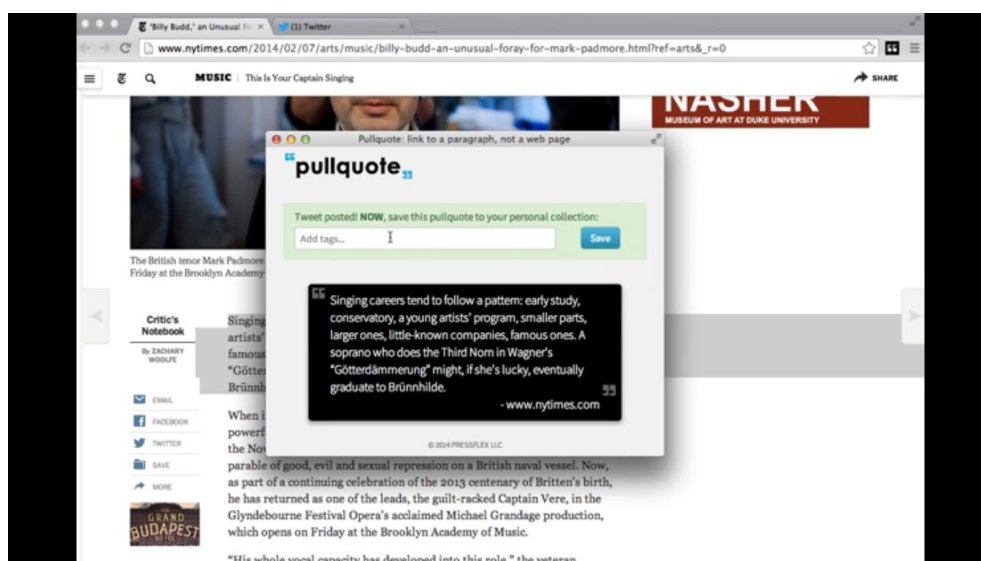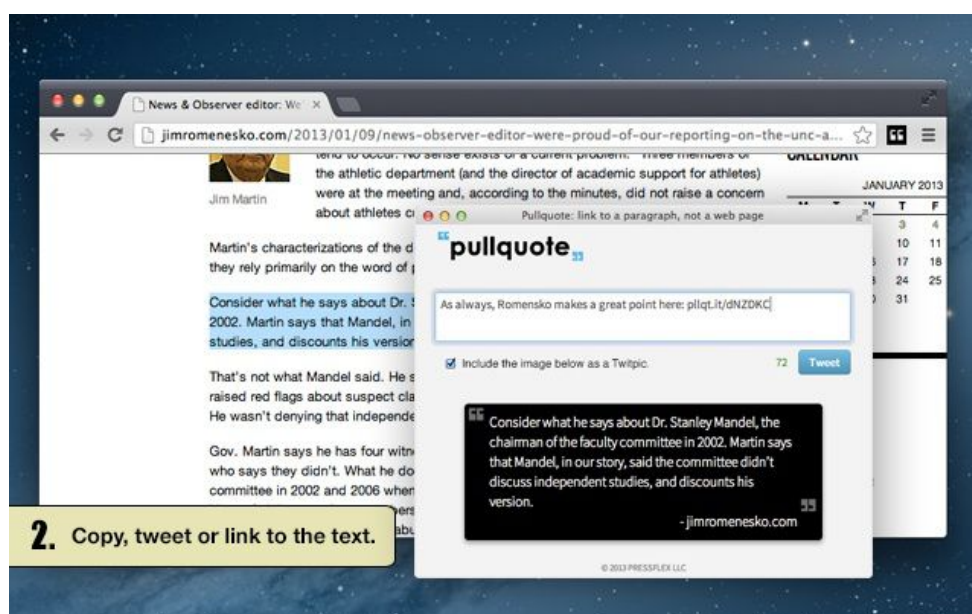
Quotabl.es is a simple elegant way to create a collection of your favorite quotes.

Like Flickr for photos, Quotabl.es homepage shows recently activity on quotes you've submitted, along with recently added and popular quotes from across the site. Quotes are organised by tags.

Sharing quotes into the site is a breeze thanks to wonderfully minimalist bookmarklet. Each quote you share or discover on the site can be favorited, shared (into Twitter and Facebook), edited to correct/add further details, or added to a specific list of quotes you maybe working on.

NEDOSTATAK: Nema mogućnost spašavanja privatnih citata.

Brainyquote

URL: http://www.brainyquote.com/
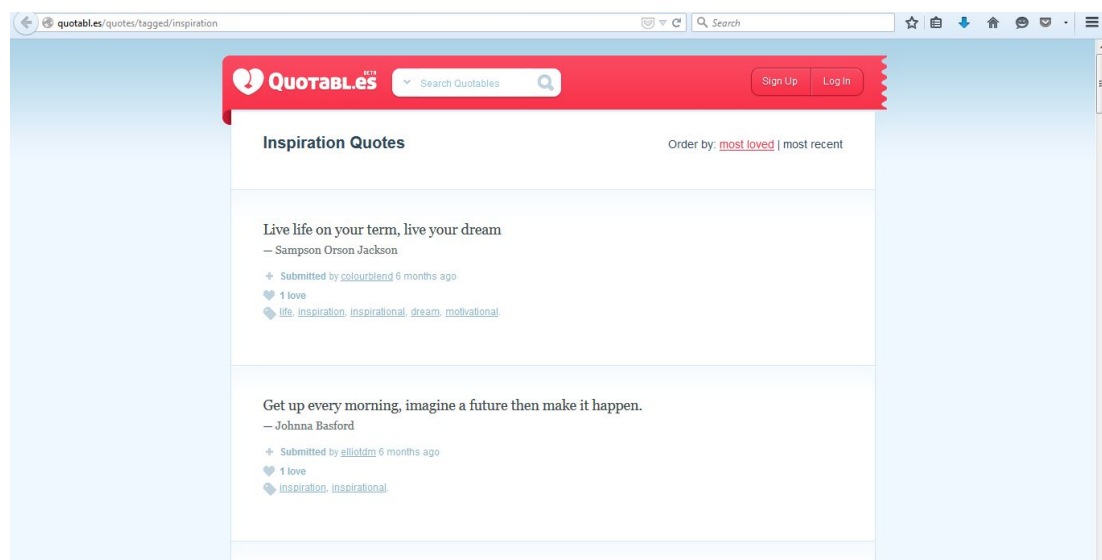
BrainyQuote is the largest, most user-friendly quotation site on the web. We are a quality educational resource and provide free access to our extensive database of prominent historical figures and today's newsmakers - famous celebrities, athletes, politicians, authors and other public figures.

Create and share more than 225,000 unique quote pictures and wallpapers with our beautiful gallery of high-resolution photographs. Email, text and share your creations with friends, family and social networks. Get Today's Quote - our inspiring quote of the day - in Notifications. You can share it, or save the image to create a stunning wallpaper for your iPhone or iPad.

NEDOSTATAK: Nema mogućnost dodavanja citata od strane korisnika.

Zahtjevi

Korisnici

Tipovi korisnika u sistemu:
1. Gost korisnik
2. Registrovani korisnik

Privilegije registrovanih korisnika u sistemu su:
1. Standardni korisnik
2. Administrator

Baza podataka dolazi sa osnovnim administratorskim računom.

Gost korisnik:
1. Autentifikacija (samo registracija)

Standardni korisnik:
1. Autentifikacija (sve osim registracije)
2. Upravljanje postavkama profila
3. Upravljanje kategorijama
4. Upravljanje autorima
5. Upravljanje citatima
6. Upravljanje tagovima

Administrator:
1. Administracija

Moduli i funkcionalnosti

Modul 1: Autentifikacija

1. Registracija
   1. Email (standardno)
   2. Facebook account
   3. Twitter
2. Login
   1. Email (standardno)
   2. Facebook account
   3. Twitter
3. Reset lozinke
4. Sesije
5. Logout

Modul 2: Administracija

1. Pregled korisničkih računa
2. Pretraga korisničkih računa
3. Uređivanje korisničkih računa
4. Brisanje korisničkog računa

Modul 3: Upravljanje postavkama profila

1. Uređivanje
2. Brisanje korisničkog računa
3. Eksport citata u vidu tekstualne datoteke

Modul 4: Upravljanje kategorijama

1. Dodavanje (default "Nesvrstano")
2. Pregled liste kategorija
3. Pregled citata iz odabrane kategorije
4. Pretraga (?)
5. Uređivanje
6. Brisanje

Modul 5: Upravljanje autorima

1. Dodavanje

2. Pregled liste autora
3. Pretraga (?)
4. Pregled odabranog autora
5. Uređivanje
6. Brisanje

Modul 6: Upravljanje citatima

1. Dodavanje
2. Pretraga
3. Pregled liste citata
4. Pregled odabranog citata
5. Share (Email, FB, Twitter)
6. Uređivanje
7. Brisanje

Modul 7: Upravljanje tagovima

1. Dodavanje (default "Nesvrstano")
2. Pregled liste tagova
3. Pretraga (?)
4. Uređivanje
5. Brisanje

Potencijalne funkcionalnosti

Ako se stigne:

1. **Import citata iz clipboarda u aplikaciju (pullquote) - browser ekstenzija/bookmarklet**

*Findings offers two ways to clip. If you are using Google Chrome as your browser, I highly recommend using the **browser extension**. Findings also recommends the extension for the greatest functionality and ease of use.*
*If you can't use the extension, Findings also had a **bookmarklet** available, though it doesn't offer most of the functionality of the extension and makes it more cumbersome to clip quotes.*

The bookmarklet is equally slick providing a quick and easy way to add a quote wherever you are on the web. Bookmarklet is a small software application stored as a bookmark in a web browser, which typically allows a user to interact with the currently loaded web page in some way.

Using the same Findings button, we also have a web bookmark for any text you want to capture online. Whenever you click on any webpage you're on, the Findings button will open up a sidebar that lets you capture highlighted text on the page and send that to Findings. When that happens, we pull metadata from the page as much as we can. If there are images or an author associated with the article, we pull that in and link it to the quote. We really believe that attribution is paramount. For example, if you use our tool to share content on Tumblr, we don't let you edit the content. You can't go in and change the quote. You can't change the author, or the title, or the content. We want that attribution to be accurate.
http://www.economistgroup.com/leanback/the-next-big-thing/want-to-collect-quotes-from-your-kindle-or-the-web-findings-can-help/

You'll be collecting great quotes from across the web in no time, all you have to do is add the 'Clip to Findings' bookmarklet and browse away. If you encounter a sentence, phrase or thoughts of someone you think are worth quoting, the bookmarklet lets you highlight the words you wish to quote and launch them to Findings.

Instapaper Bookmarklet
https://www.instapaper.com/save

2. **Jezik (eng/bos)**
3. **Import tekstualne datoteke (?)**

Razmisliti:

4. **Kolaboracija nad istom kategorijom/tagom (+ vidljivost)**

5. **Notifikacije pri promjenama prilikom kolaboracije**
6. **Private/Public profil/citati/kategorije (?)**
7. **Pretraga profila (prijatelja)**
8. **Follow/AddFriend**

When you sign up via a social network, any Findings users that you follow on the network are automatically followed on Findings. You can also follow any user you see and like at any time, via their profile.

9. **Pregled citata/kategorija drugih korisnika**
10. **Spašavanje citata drugih korisnika u svoju kolekciju**

One of the things at Findings that is very popular is called a "re-find," which is very similar to a Facebook "like" or a save. I can see a quote from a book you've read that maybe I haven't. If I like the quote, I can bring it into my notebook. One click, and it's there. It's almost like doing your own research, or visiting someone else's library.

11. **Feed - pregled aktivnosti drugih korisnika (?)**

All clips from people you follow are easily accessible via the following feed.
After you bookmark a quote, it shows up in the Findings feed where other users can check it out, comment, and add the quote to their personal collections.

The clips shown in the feed also have some ways to interact with the clip and other users. You can like or comment upon any of the clips in the feed. You can add to a collection (more on that later) or save to a variety of social networks and other sources, including Facebook, Twitter, Pinterest, Reddit and more.

12. **Random prikaz citata**

U budućnosti:

13. **Spašavanje slanjem emaila sa svoje email adrese na email adresu aplikacije (kao Pocket opcija)**
14. **Widget unutar Gmaila ili negdje drugo (prikaz random citata ili po kategoriji)**
15. **RSS feed (?)**
16. **Mobilna aplikacija za Android/iPhone**

Dizajn

Tehnološki stek

CSS FW: LESS/SASS (?);

Frontend FW: Bootstrap;
JavaScript FW: Angular.js;
Web FW: Ruby on Rails;
ORM: ActiveRecord;
Database: PostgreSQL;

ERD
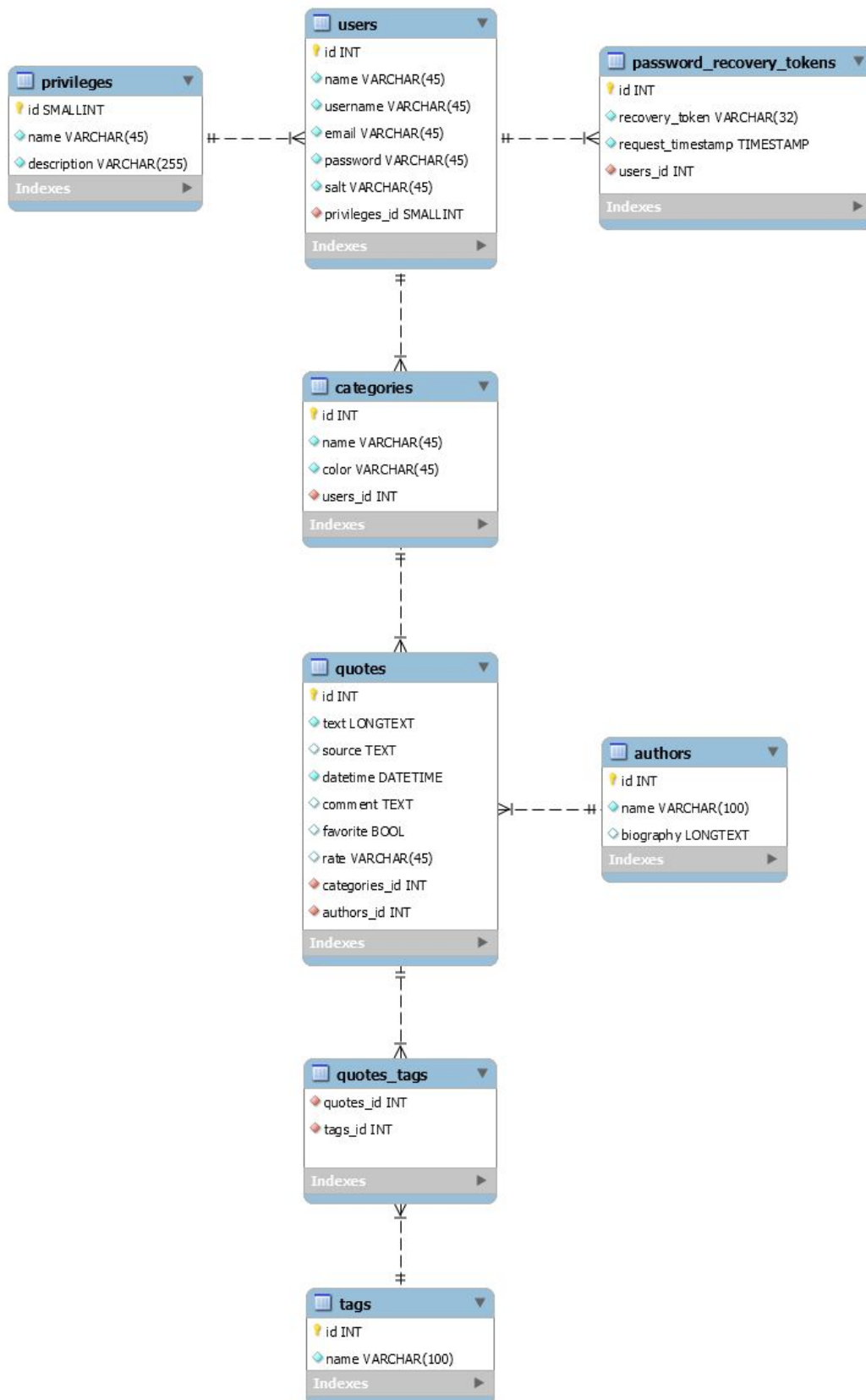
REST servisi

Model: Author

Zahtjeva logiranost registrovanog korisnika.

Tip	Path	Akcija	Parametri	Rezultat
GET	/authors	index	-	Lista svih autora
POST	/authors	create	name, biography	Kreiranje zapisa o autoru
GET	/authors/new	new	-	Forma za novog autora
GET	/authors/[author_id]/edit	edit	-	Forma za editovanje autora
GET	/authors/[author_id]	show	author_id	Jedan autor sa ID-em
PUT	/authors/[author_id]	update	name, biography	Ažuriranje zapisa o autoru
DELETE	/authors/[author_id]	destroy	author_id	Brisanje zapisa o autoru

...

Implementacija

Razvojni alati i tehnologije

Operativni sistem: Windows 7 x64

Revision control software: GitHub
https://github.com/

GitHub Client for Windows: Verzija 2.0.0
https://windows.github.com/

RailsInstaller for Windows x64: Verzija 3.0.0
http://railsinstaller.org/en
https://s3.amazonaws.com/railsinstaller/Windows/railsinstaller-3.0.0.exe

Rails: Verzija 4.2.1
Ruby: Verzija 2.0.0p598 (2014-11-13) [i386-mingw32]
RubyGems: Verzija: 2.4.6
Web server: WEBrick

IDE: Aptana for Windows, verzija 3.6.1
http://www.aptana.com/products/studio3/download.html

Git for Windows: Verzija 1.9.5
http://git-scm.com/

Baza podataka: PostgreSQL for Windows x64, verzija 9.4.1
http://www.postgresql.org/download/windows/

Kreiranje modela

Generisanje modela

Privilege

```
$ bin/rails generate model Privilege name:string description:text
```

User

```
$ bin/rails generate model User name:string username:string email:string
password:string salt:string privilege:references
```

Password_recovery_token

```
$ bin/rails generate model Password_recovery_token recovery_token:string
request_timestamp:timestamp user:references
```

Category

```
$ bin/rails generate model Category name:string color:string user:references
```

Author

```
$ bin/rails generate model Author name:string biography:text
```

Quote

```
$ bin/rails generate model Quote text:text source:text datetime:datetime
comment:text favorite:boolean rate:string category:references author:references
```

Tag

```
$ bin/rails generate model Tag name:string
```

Quote_Tag

Ne kreira se njegov model.
A has_and_belongs_to_many association creates a direct many-to-many
connection with another model, **with no intervening model.**
http://guides.rubyonrails.org/association_basics.html#the-has-and-belongs-to-many-association

Asocijacije

Privilege

app/models/privilege.rb

```ruby
class Privilege < ActiveRecord::Base
  has_many :users
end
```

db/migrate/20150323155855_create_privileges.rb

```ruby
class CreatePrivileges < ActiveRecord::Migration
  def change
    create_table :privileges do |t|
      t.string :name, :null => false
      t.text :description, :null => false

      t.timestamps null: false
    end
  end
end
```

User

app/models/user.rb

```ruby
class User < ActiveRecord::Base
  belongs_to :privilege
  has_many :password_recovery_tokens
  has_many :categories
end
```

db/migrate/20150323160146_create_users.rb

```ruby
class CreateUsers < ActiveRecord::Migration
  def change
    create_table :users do |t|
      t.string :name, :null => false
      t.string :username, :null => false
      t.string :email, :null => false
      t.string :password, :null => false
      t.string :salt, :null => false
      t.references :privilege, index: true, foreign_key: true

      t.timestamps null: false
    end
  end
end
```

Password_recovery_token

app/models/password_recovery_token.rb

```ruby
class PasswordRecoveryToken < ActiveRecord::Base
  belongs_to :user
end
```

db/migrate/20150323160306_create_password_recovery_tokens.rb

```ruby
class CreatePasswordRecoveryTokens < ActiveRecord::Migration
  def change
    create_table :password_recovery_tokens do |t|
      t.string :recovery_token, :null => false
      t.timestamp :request_timestamp, :null => false
      t.references :user, index: true, foreign_key: true

      t.timestamps null: false
    end
  end
end
```

Category

app/models/category.rb

```ruby
class Category < ActiveRecord::Base
  belongs_to :user
  has_many :quotes
end
```

db/migrate/20150323160425_create_categories.rb

```ruby
class CreateCategories < ActiveRecord::Migration
  def change
    create_table :categories do |t|
      t.string :name, :null => false
      t.string :color, :null => false
      t.references :user, index: true, foreign_key: true

      t.timestamps null: false
    end
  end
end
```

Author

app/models/author.rb

```ruby
class Author < ActiveRecord::Base
  has_many :quotes
end
```

db/migrate/20150323160707_create_authors.rb

```ruby
class CreateAuthors < ActiveRecord::Migration
  def change
    create_table :authors do |t|
      t.string :name, :null => false
      t.text :biography

      t.timestamps null: false
    end
  end
end
```

Quote

app/models/quote.rb

```ruby
class Quote < ActiveRecord::Base
  belongs_to :category
  belongs_to :author
  has_and_belongs_to_many :tags
end
```

db/migrate/20150323160555_create_quotes.rb

```ruby
class CreateQuotes < ActiveRecord::Migration
  def change
    create_table :quotes do |t|
      t.text :text, :null => false
      t.text :source
      t.datetime :datetime, :null => false
      t.text :comment
      t.boolean :favorite
      t.string :rate
      t.references :category, index: true, foreign_key: true
      t.references :author, index: true, foreign_key: true

      t.timestamps null: false
    end
  end
end
```

Tag

app/models/tag.rb

```ruby
class Tag < ActiveRecord::Base
  has_and_belongs_to_many :quotes
end
```

db/migrate/20150323160825_create_tags.rb

```ruby
class CreateTags < ActiveRecord::Migration
  def change
    create_table :tags do |t|
      t.string :name, :null => false

      t.timestamps null: false
    end
  end
end
```

Quote_Tag

Nema modela kada se kreira veza više-na-više.

db/migrate/20150323173738_create_quotes_tags.rb

```ruby
class CreateQuotesTags < ActiveRecord::Migration
  def change
    create_table :quotes_tags, id: false do |t|
      t.belongs_to :quote, index: true
      t.belongs_to :tag, index: true
    end
  end
end
```

Literatura

[1] Android apps
https://play.google.com/store/search?q=quotes&c=apps

[2] Quotebook - a simple app that lets you enter quotes
https://play.google.com/store/apps/details?id=app.statzapps.quotebook

[3] Inspirational Quotes
https://play.google.com/store/apps/details?id=com.azwstudios.galaxyinspiration alquotes

[4] iPhone/iPad apps
https://itunes.apple.com/us/genre/ios-reference/id6006?mt=8&letter=Q&page=3 #page

[5] Quotebookapp
http://quotebookapp.com/
https://itunes.apple.com/us/app/quotebook-notebook-for-quotes/id423726272? mt=8
http://minimalmac.com/post/24114361750/quotebook-2-0-is-out-and-it-is-a-hug e-update-to
http://www.macstories.net/links/quotebook-2-0/
http://gizmodo.com/5792630/quotebook-for-iphone
http://www.theverge.com/2012/5/31/3052484/quotebook-for-ipad

[6] Quotenote
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http://appadvice.com/appnn/2011/08/quickadvice-quotenote

[7] Organizing Quotes On A Mac
http://www.brianstucki.com/blog/organizing-quotes-on-a-mac/

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[10] Quotes.ly
http://quotes.ly/

[11] MyQuoteBox
http://www.myquotebox.com/

[12] Findings
http://findings.com/
http://www.borthwick.com/weblog/2011/10/25/findings_launch/
http://www.stevenberlinjohnson.com/2011/10/introducing-findings.html
http://web.appstorm.net/reviews/save-your-favorite-quotes-with-findings/
http://www.economistgroup.com/leanback/the-next-big-thing/want-to-collect-quotes-from-your-kindle-or-the-web-findings-can-help/

[13] Instapaper
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http://blog.instapaper.com/

[14] Quotica
http://www.quoti.ca/
http://www.businessinsider.com/collect-your-favorite-quotes-online-with-quotica-2011-6

[15] Quoty
http://quoty.co/

[16] Spoken.ly
https://www.spoken.ly/?in=welcome

[17] Wordpress plugins

Prefect quotes: https://wordpress.org/plugins/perfect-quotes/
Quotes Collection: https://wordpress.org/plugins/quotes-collection/
VR-Frases (collect & share quotes): https://wordpress.org/plugins/vr-frases/

[18] Brainyquote
http://www.brainyquote.com/

[19] Quotesabout
http://quotesabout.us/

[20] Install Ruby on Rails, Postgresql, and Aptana on Windows
https://youtu.be/qd6WF32-fmo

[21] Revision control software: GitHub
https://github.com/

[22] GitHub Client for Windows (v2.0.0):

https://windows.github.com/

[23] RailsInstaller for Windows x64 (v3.0.0):
http://railsinstaller.org/en
https://s3.amazonaws.com/railsinstaller/Windows/railsinstaller-3.0.0.exe

[24] IDE: Aptana for Windows (v3.6.1)
http://www.aptana.com/products/studio3/download.html

[25] Git for Windows (v1.9.5):
http://git-scm.com/

[26] Baza podataka: PostgreSQL for Windows x64 (v9.4.1)
http://www.postgresql.org/download/windows/