MatchMe

Tools Setup Guide

RMIT University

COSC2408: Programming Project 1

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What you'll need

1. **Cloud9 IDE account** - an online development environment that comes with PostgreSQL and Git pre-installed
2. **Ruby on Rails** - a Ruby web framework
3. **Git** - pre-installed in C9
4. **Postgresql** - pre-installed in C9
5. **ImageMagick** - image manipulation program for image uploading
6. **Project files** - from Github

1. Getting started with Cloud9

Sign up for Cloud9

1. Open https://c9.io/
2. On the homepage, enter your email and click the "Sign up" button
3. Follow the sign up instructions
    a. NOTE: you will be asked to enter credit card information but you will not be charged unless you voluntarily subscribe for a premium account

Create a workspace

1. Click on "Go to your Dashboard".
2. From here, click "Create a new workspace".
3. Enter "dating-site" as your workspace name (or whatever makes sense to you).
4. Optional: enter a description and set your workspace as "private".
5. Under "Choose your template", select Ruby.
6. Click "Create a workspace" button.
7. Once your workspace has loaded, click the gear icon in the the upper right corner of your screen (next to "Share" button).
8. Click "Code Editor (Ace)" tab.
9. Change the "Soft tabs" settings from 4 to 2. This is to keep with Ruby convention.
10. Delete all the files contained in the "dating-site" folder (but not dating-site itself). These files will be replaced by the files contained in the Git repo.

2. Cloning the repository

1. Ensure all the default files are gone (see step 10 in above section, under “Create a workspace”).
2. In the command-line terminal enter the following:
    a. `git clone https://github.com/ellisjas/matchme.git`

3. Installing Rails (and other gems)

1. Navigate into your workspace by entering the following into the terminal:
    a. `cd matchme`
2. Next, install the gems. Enter the following in the terminal:
    a. `bundle install --without production`
    b. `bundle update`
3. To check that Rails is now installed, enter the following:
    a. `rails -v`
4. You should then see the version of Rails installed as the output in your terminal.

4. Installing ImageMagick

1. In terminal, enter:
    a. `sudo apt-get update`
    b. `sudo apt-get install imagemagick --fix-missing`
2. When prompted, enter `y`

5. Setting up your Postgresql database

Initiate Postgresql

1. In terminal enter the following:
    a. `sudo service postgresql start`
    b. `sudo sudo -u postgres psql`
2. You will now be in the Postgresql console. Enter the following:
    a. `CREATE USER username SUPERUSER PASSWORD 'password';`
    b. `\q`
3. Note: you may choose whatever username and password you want, provided you enter the same values as your environmental variables in the section below:

Create ENV variables in Cloud9

1. In terminal:
    a. `echo "export USERNAME=username" >> ~/.profile`
    b. `echo "export PASSWORD=password" >> ~/.profile`
    c. `. ~/.profile`

Update template0 postgresql for database.yml

1. Again, open the pg console via the command:
    a. `sudo sudo -u postgres psql`
2. To update the template:
    a. `UPDATE pg_database SET datistemplate = FALSE WHERE datname = 'template0';`
    b. `DROP DATABASE template0;`
    c. `CREATE DATABASE template0 WITH TEMPLATE = template1 ENCODING = 'UNICODE';`
    d. `UPDATE pg_database SET datistemplate = TRUE WHERE datname = 'template0';`
    e. `\c template0`
    f. `VACUUM FREEZE;`
    g. `\q`

Create and migrate the database

1. In the terminal run the following commands:

    a. `rails db:create`
    b. `rails db:migrate`
2. Optionally, you may also seed the database with the test data. This may take up to 10 minutes to complete:
    a. `rails db:seed`

6. Running the application

1. Run the tests to ensure everything is working correctly:
    a. `rails test`
2. Start the server:
    a. `rails server -b $IP -p $PORT`
3. Click the button in the upper right corner that the says “Share”
4. Under “Links to share”, ensure that the “Public” checkbox is checked for the Application URL.
5. Click the Application URL and select “Open”.