Simran Enterprises Presents

A Vishal Chandnani Application

Rangoli

NOTICE

No animals were harmed during the making of this application.

Rangoli

Rangoli is a beautiful elephant from the culture-rich and spectacular state of Rajasthan, India.

During the day, Rangoli transports visitors to the top of the Amer Fort in Amer, Rajasthan. In the evenings, she pair programs with vchandnani and writes AngularJS applications.

https://github.com/vchandnani/rangoli

CAST
(In Order of Appearance)

Back-End Languages and Technologies

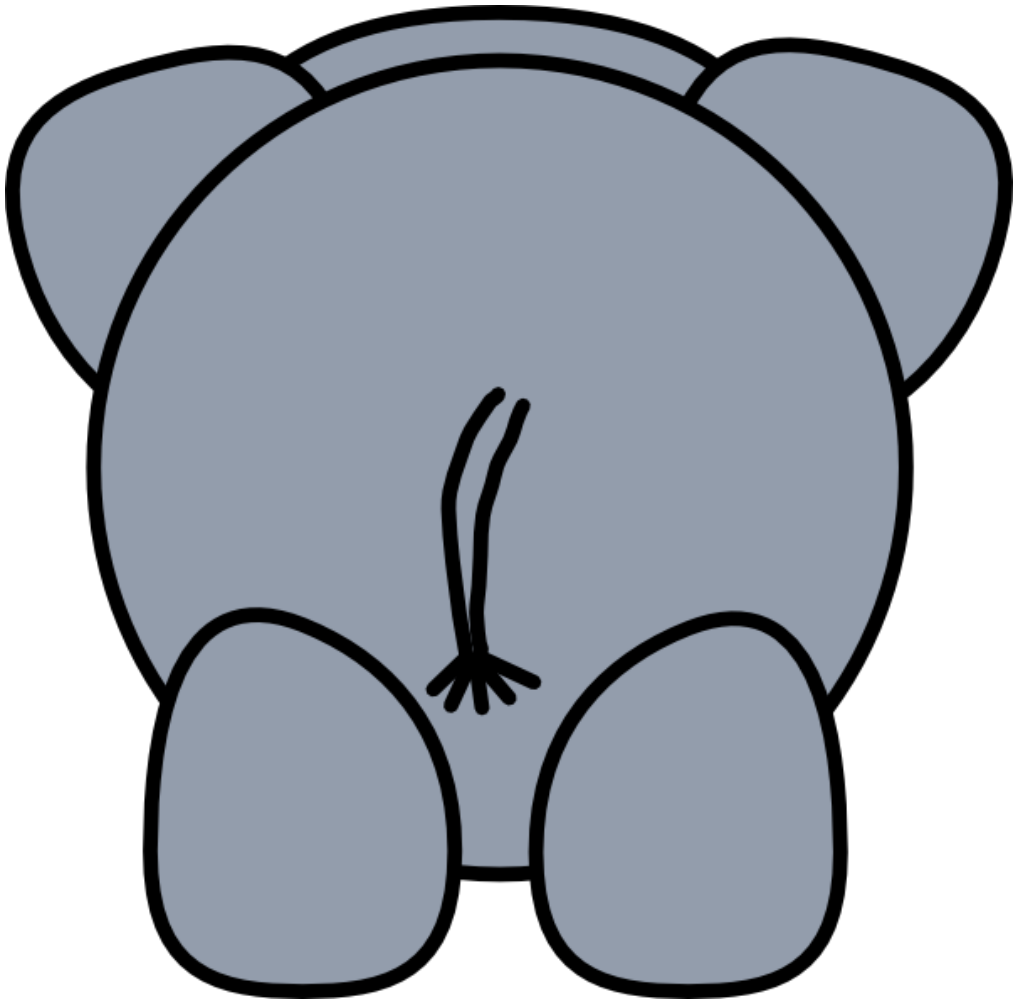
- Ruby
- Sinatra
- Rack
- MiniTest
- RackTest
- ActiveRecord
- SQLite

CAST
(In Order of Appearance)

Front-End Languages and Technologies

- Node Package Manager
- Bower
- AngularJS
- Bootstrap
- Grunt
- Karma
- Jasmine

The Back End



Ruby

Ruby is a dynamic, open source programming language with a focus on simplicity and productivity.

https://www.ruby-lang.org/en/

https://www.ruby-lang.org/en/downloads/

Ruby Version Manager (RVM): http://rvm.io

Sinatra

Sinatra is a Domain-Specific Language (DSL) for quickly creating web applications in Ruby.

http://www.sinatrarb.com

http://www.sinatrarb.com/intro.html

Rack

Sinatra rides on Rack, a minimal interface between web servers supporting Ruby and Ruby frameworks.

http://rack.github.com

MiniTest

MiniTest is a small and incredibly fast unit testing framework. It provides a rich set of assertions to make your tests clean and readable.

http://ruby-doc.org/stdlib-1.9.3/libdoc/minitest/unit/rdoc/MiniTest.html

RackTest

Rack::Test is a small, simple testing API for Rack applications. It can be used on its own or as a starting point for frameworks and testing libraries.

http://www.rubydoc.info/github/brynary/rack-test/master/frames

ActiveRecord

Active Record is the M in MVC - the model - which is the layer of the system responsible for representing business data and logic.

Active Record facilitates the creation and use of business objects whose data requires persistent storage to a database.

https://rubygems.org/gems/activerecord

http://guides.rubyonrails.org/active_record_basics.html

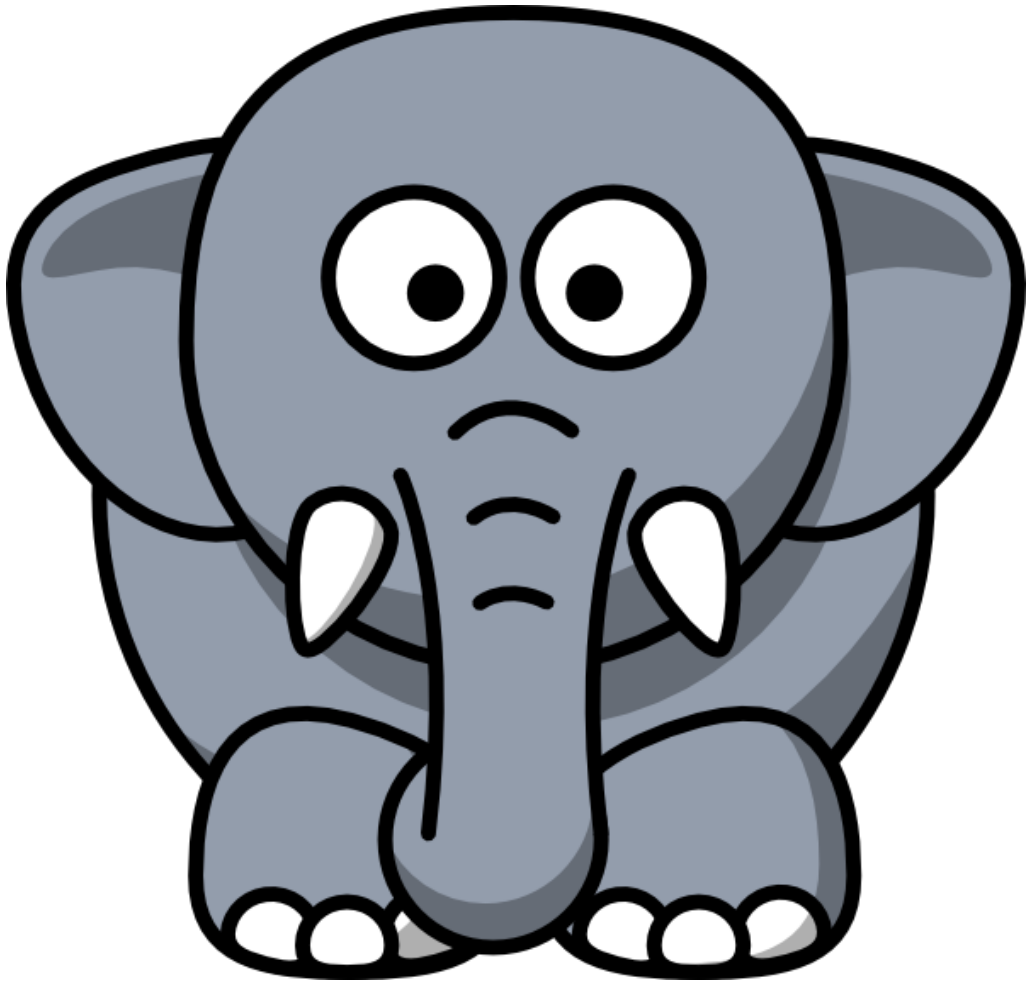
SQLite

SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine.

https://sqlite.org

https://rubygems.org/gems/sqlite3

The Front End



Node Package Manager

Node Package Manager (npm) is the package manager for JavaScript developers.

npm makes it easy for JavaScript developers to share code, reuse code, and update the shared code.

https://www.npmjs.com

https://docs.npmjs.com

Bower

Bower is a package manager for the web.

Web sites are made of lots of things - frameworks, libraries, assets, utilities, and rainbows. Bower manages all these things for you.

http://bower.io

AngularJS

AngularJS is an open-source web application framework maintained by Google and a community of developers to address many of the challenges encountered in developing single-page applications.

AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.

https://angularjs.org

http://fastandfluid.com/publicdownloads/AngularJSIn60MinutesIsh_DanWahlin_May2013.pdf

Bootstrap

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.

http://getbootstrap.com

http://getbootstrap.com/getting-started/

Grunt

Grunt is a JavaScript task runner.

Why use a task runner? In one word: automation. The less work you have to do when performing repetitive tasks like minification, compilation, unit testing, linting, etc, the easier your job becomes.

http://gruntjs.com

http://gruntjs.com/getting-started

Karma

Karma is a JavaScript command line tool that can be used to spawn a web server which loads your application's source code and executes your tests.

You can configure Karma to run against a number of browsers, which is useful to test your application on different browsers.

Karma is a NodeJS application, and should be installed through npm.

https://docs.angularjs.org/guide/unit-testing

http://karma-runner.github.io/0.12/index.html

http://karma-runner.github.io/0.12/intro/installation.html

Jasmine

Jasmine is a Behavior-Driven-Development (BDD) framework for JavaScript and has become the most popular choice for testing Angular applications.

Jasmine does not rely on browsers, DOM, or any JavaScript framework. Thus it is suited for websites, Node.js projects, or anywhere that JavaScript can run.

http://jasmine.github.io

https://github.com/jasmine/jasmine

Q&A

The End