Assignment 4

Sinatra

Q1. What is a bundler?

Bundler provides a consistent environment for

Ruby projects by tracking and installing the exact gems and versions

that are needed.

Bundler is an exit from dependency hell, and

ensures that the gems you need are present in development, staging,

and production. Starting work on a project is as simple as bundle

install.

$ gem install bundler – installs bundler

Q2. What does the bundle install command do?

Installs the dependencies specified in the

Gemfile.Install the gems specified in your Gemfile(5). If this

is the first time you run bundle install (and a Gemfile.lock does

not exist), bundler will fetch all remote sources, resolve

dependencies and install all needed gems.

If a gemfile.lock does exist, and you

have not updated your Gemfile(5), bundler will fetch all remote

sources, but use the dependencies specified in

the Gemfile.lock instead of resolving dependencies.

If a Gemfile.lock does exist, and you

have updated your Gemfile(5), bundler will use the dependencies

in theGemfile.lock for all gems that you did not update, but

will re-resolve the dependencies of gems that you did update.

Q3. What is a gemfile?

A Gemfile is a file we create which is

used for describing gem dependencies for Ruby programs. A gem is a

collection of Ruby code that we can extract into a “collection”

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Your Gemfile should always be in the root of

your project directory, this is where Bundler expects it to be and it

is the standard place for any package manager style files to live.

It is useful to note that your Gemfile is

evaluated as Ruby code. When it is evaluated by Bundler the

context it is in allows us access to certain methods that we will use

to explain our gem requirements.Ruby developers use Gemfiles all the

time, and most of us know how to do the basics. In this post I want

to dive deep into everything we can do with a Gemfile.