you'll need to set up a working Rails environment. Use the most recent stable version of Rails, and for simplicity use SQLite for the database.

use git to neatly organize your changes. When you finish this test, make sure your .git directory is included in the zip file of the rails app you send us so we can see your commits.

1. Add a Contact model.
A "contact" will be a record in an address book. Make sure the Contact requires a first name and a last name, and optionally has an email address and a cell phone number.

Also, do the necessary work to have a page which lists all contacts, and allows you to view an individual contact's details.

2. Add an Address model.
Add attributes for street address, city, region, postal code, and country. Make it so that a contact may have more than one address.

Also, do the necessary work so that when viewing an individual contact's details, you see any addresses which may be associated with them.

3. Add a rake task to import contacts from a csv file (which you create).
Each row in the .csv file contains data for Contacts, optionally with data for one address.

4. Seed some data.
Please add some contacts with addresses to the seed data, so that a fresh install of this project won't be empty!

5. Create some scopes.
Please create a scope which finds contacts which have zero addresses.

Also, do the necessary work so that you can view a listing of these contacts which have no addresses.

6. RSpec - Unit Test
Switch the project to use RSpec as the default testing framework, and add an rspec test which proves a Contact requires both a first name and a last name.

7. Add Contact Groups
Add the ability to create contact groups. A group simply has a name, and may contain zero or more contacts. A given contact may appear in multiple groups.