**1. Run rails scaffold generator**

$ rails g scaffold Project name title description:text

**2. Migrate database**

$ rake db:migrate

**3. Prepare test database**

$ rake db:test:prepare

**4. Write Shoulda tests for mass assignments, validations and relations.**

**Eg:**

describe Project do

describe 'associations' do

it { should have\_and\_belong\_to\_many(:users) }

end

describe 'validations' do

it { should allow\_mass\_assignment\_of(:name) }

it { should validate\_presence\_of(:name) }

it { should ensure\_length\_of(:name).is\_at\_least(3).is\_at\_most(25) }

#it { should validate\_uniqueness\_of(:name) }

it { should allow\_mass\_assignment\_of(:title) }

it { should validate\_presence\_of(:title) }

it { should ensure\_length\_of(:title).is\_at\_least(10).is\_at\_most(140) }

it { should allow\_mass\_assignment\_of(:description) }

it { should validate\_presence\_of(:description) }

it { should ensure\_length\_of(:description).is\_at\_least(50).is\_at\_most(2000) }

end

end

**5. Write code to pass the tests**

**Eg:**

class Project < ActiveRecord::Base

attr\_accessible :description, :name, :title

# Relations

has\_and\_belongs\_to\_many :users

# Validations

validates :name, :presence => true, :uniqueness => true, :length => { :in => 3..25 }

validates :title, :presence => true, :length => { :in => 10..140 }

validates :description, :presence => true, :length => { :in => 50..2000 }

end

**6. Give a link to create project on the navigation bar**

**Eg:**

= link\_to t('views.layouts.\_navigation.projects'), new\_project\_path

**7. Start server, go to the ‘Create Project’ link and go through all the crud process**

**8. Add a sidebar given some help text about the project creation**

**9. Run all the tests to make sure nothing else breaks, most probably the controller’s tests would fail, fix them.**

Ex: Fix the valid\_attributes hash for controller tests

def valid\_attributes

{

name: 'Rails for Charity',

title: 'Open Source Web based App',

description: 'To build open source web based applications which help in improving the society.'

}

end