Reference: <http://railscasts.com/episodes/262-trees-with-ancestry>

<http://railscasts.com/episodes/154-polymorphic-association-revised?view=asciicast>

Adding ancestry gem in Gemfile:

gem 'ancestry’

$ rails g model comment content:text commentable\_id:integer commentable\_type:string created\_by:integer

**comment.rb**

***# == Schema Information***

***#***

***# Table name: comments***

***#***

***# id :integer not null, primary key***

***# content :text***

***# commentable\_id :integer***

***# commentable\_type :string(255)***

***# created\_at :datetime not null***

***# updated\_at :datetime not null***

***# ancestry :string(255)***

***# created\_by :integer***

***#***

**class Comment < ActiveRecord::Base**

**attr\_accessible :content, :parent\_id, :created\_by**

**belongs\_to :commentable, polymorphic: true**

**has\_ancestry**

***# Validations***

**validates :content, :presence => true**

**end**

**task.rb**

**has\_many :comments, as: :commentable**

$ rails g controller comments

**CommentsController**

**class** **CommentsController** **<** ApplicationController

before\_filter :find\_commentable

before\_filter :find\_comment, :only **=>** **[**:destroy, :update, :edit**]**

**def** **index**

@commentable **=** Task**.**find(params**[**:task\_id**]**)

@comments **=** @commentable**.**comments

**end**

**def** **new**

@comment **=** @commentable**.**comments**.**new(:parent\_id **=>** params**[**:parent\_id**]**)

**end**

**def** **create**

@comment **=** @commentable**.**comments**.**new(params**[**:comment**]**)

@comment**.**created\_by **=** current\_user

**if** @comment**.**save

redirect\_to :back, notice: t("controllers.comments.create.success")

**else**

redirect\_to :back

**end**

**end**

**def** **edit**

**end**

**def** **update**

**if** @comment**.**update\_attributes((params**[**:comment**]**))

redirect\_to @commentable, notice: t("controllers.comments.update.success")

**else**

**end**

**end**

**def** **destroy**

@comment**.**destroy

respond\_to **do** **|**format**|**

format**.**html { redirect\_to :back }

format**.**json { head :no\_content }

**end**

**end**

**private**

**def** **find\_commentable**

resource, id **=** request**.**path**.**split('/')**[**1, 2**]**

@commentable **=** resource**.**singularize**.**classify**.**constantize**.**find(id)

**end**

**def** **find\_comment**

@comment **=** Comment**.**find(params**[**:id**]**)

**end**

**end**

**config/routes.rb**

**resources :tasks do**

**resources :comments**

Adding migrations to make comment

$rails g migration add\_ancestry\_to comments ancestry:string

**comments\_helper.rb**

**module** CommentsHelper

**def** **nested\_comments**(comments)

comments**.**map **do** **|**comment, sub\_comments**|**

render(comment) **+** content\_tag(:div, nested\_comments(sub\_comments), :class **=>** "nested\_comments")

**end.**join**.**html\_safe

**end**

**def** **can\_edit?**(comment)

User**.**find(comment**.**created\_by) **==** current\_user

**end**

**end**

[**views**](https://github.com/railsforcharity/railsforcharity/tree/45ebbd2a2435929cb69a37730e3a09e2c023f36a/app/views) **/** [**comments**](https://github.com/railsforcharity/railsforcharity/tree/45ebbd2a2435929cb69a37730e3a09e2c023f36a/app/views/comments) **/ \_comment.html.haml**

**.row**

**.span12**

**.span8.comments**

**.created\_at= comment.created\_at.strftime("%B %d, %Y")**

**= simple\_format comment.content**

**- if can\_edit?(comment)**

**.span1**

**= link\_to 'Destroy', task\_comment\_path(@task, comment), :confirm => 'Are you sure?', :method => 'delete'**

**.span1**

**= link\_to 'Edit', edit\_task\_comment\_path(@commentable, comment)**

**.span1**

**= link\_to 'Reply', new\_task\_comment\_path(@task, :parent\_id => comment.id)**

[**railsforcharity**](https://github.com/railsforcharity/railsforcharity/tree/45ebbd2a2435929cb69a37730e3a09e2c023f36a) **/** [**app**](https://github.com/railsforcharity/railsforcharity/tree/45ebbd2a2435929cb69a37730e3a09e2c023f36a/app) **/** [**controllers**](https://github.com/railsforcharity/railsforcharity/tree/45ebbd2a2435929cb69a37730e3a09e2c023f36a/app/controllers) **/ tasks\_controller.rb**

**def show**

**@commentable = @task**

**@comments = @commentable.comments**

**@comment = Comment.new**

**end**

**app/views/comments/\_form.html.haml**

**= simple\_form\_for [@commentable, @comment] do |f|**

**- if @comment.errors.any?**

**.error\_messages**

**%ul**

**- @comment.errors.full\_messages.each do |msg|**

**%li= msg**

**= f.hidden\_field :parent\_id**

**%div{:style => "font-size: 15px;"}**

**%i.icon-comment**

**%span Comments**

**= f.input :content, :label => false, :as => 'text', :input\_html => {:style => 'width: 84%', :rows => 5}**

**.form\_actions**

**.icon-comment-alt**

**= f.submit :class => 'btn btn-primary'**

**app/views/comments/edit.html.haml**

|  |
| --- |
| **+=render :partial => 'form'** |
|  |

**app/views/comments/new.html.haml**

**%h1 Reply**

**=@comment.parent.content if @comment.parent**

**%br**

**%br**

**=render :partial => 'form'**

**app/views/tasks/show.html.haml**

**.row**

**.span12**

**= nested\_comments @comments.arrange(:order => :created\_at)**

**= render :partial => 'comments/form'**