

```
1  class ChallengesController < ApplicationController
2    require 'rubygems'
3    require 'mini_magick'
4
5    # GET /challenges
6    # GET /challenges.json
7    def index
8      @challenges = Challenge.all
9
10     respond_to do |format|
11       format.html # index.html.erb
12       format.json { render json: @challenges }
13     end
14   end
15
16   # GET /challenges/1
17   # GET /challenges/1.json
18   def show
19     @challenge = Challenge.find(params[:id])
20     @badge = Badge.new
21     respond_to do |format|
22       format.html # show.html.erb
23       format.json { render json: @challenge }
24     end
25   end
26
27   # GET /challenges/new
28   # GET /challenges/new.json
29   def new
30     @challenge = Challenge.new
31     #@wish = Wish.find(params[:id])
32     @wish = Wish.find(params[:wish])
33     @challenge.name = @wish.wish
34
35     subject = "Sciencing"
36     image = MiniMagick::Image.open("#{Rails.root}/app/assets/images/badges/quarter.png")
37     image.combine_options do |c|
38       c.font "helvetica"
39       c.fill "white"
40       c.pointsize '20'
41       c.gravity "center"
42       c.draw "text 0,0 '#{subject}'"
43     end
44     image.write "public/output.jpg"
45
46     #variable = "Science"
47
48     #mm =
49     MiniMagick::Image.open("#{Rails.root}/app/assets/images/badges/quarter.png")
50     #mm.combine_options do |c|
51       #c.gravity 'center'
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51     #c.pointsize '13'
52     #c.draw "text 33,0 '#{variable}'"
53   #end
54   respond_to do |format|
55     format.html # new.html.erb
56     format.json { render json: @challenge }
57   end
58 end
59
60 def add_challenge
61   @challenge = Challenge.new
62   #@wish = Wish.find(params[:id])
63   @wish = Wish.find(1)
64   respond_to do |format|
65     format.html # new.html.erb
66     format.json { render json: @challenge }
67   end
68 end
69
70 def add_image
71   @challenge = Challenge.new
72   #@wish = Wish.find(params[:id])
73   @wish = Wish.find(1)
74   respond_to do |format|
75     format.html # new.html.erb
76     format.json { render json: @challenge }
77   end
78 end
79
80
81 # GET /challenges/1/edit
82 def edit
83   @challenge = Challenge.find(params[:id])
84 end
85
86 # POST /challenges
87 # POST /challenges.json
88 def create
89   @challenge = Challenge.new(params[:challenge])
90   respond_to do |format|
91     if @challenge.save
92       format.html { redirect_to @challenge, notice: 'Challenge was
successfully created.' }
93       format.json { render json: @challenge, status: :created, location:
@challenge }
94     else
95       format.html { render action: "new" }
96       format.json { render json: @challenge.errors, status:
:unprocessable_entity }
97     end
98   end
99 end
```

```
100
101   # PUT /challenges/1
102   # PUT /challenges/1.json
103   def update
104     @challenge = Challenge.find(params[:id])
105
106     respond_to do |format|
107       if @challenge.update_attributes(params[:challenge])
108         format.html { redirect_to @challenge, notice: 'Challenge was
successfully updated.' }
109         format.json { head :no_content }
110       else
111         format.html { render action: "edit" }
112         format.json { render json: @challenge.errors, status:
:unprocessable_entity }
113       end
114     end
115   end
116
117   # DELETE /challenges/1
118   # DELETE /challenges/1.json
119   def destroy
120     @challenge = Challenge.find(params[:id])
121     @challenge.destroy
122
123     respond_to do |format|
124       format.html { redirect_to challenges_url }
125       format.json { head :no_content }
126     end
127   end
128 end
129
```