**IT231 – Finquest2**

**Modify a scaffold-based Project.** Two scaffold-based controllers are added to the Rails project ChicagoDiamonds as specified by the following generate controller starements:

**rails g controller Store name:string phone:string**

**rails g controller CutDiamond weight:float clarity:string   
 photo:string store\_id:number**

Modify the source code of the ChicagoDiamonds projects according to the following problems. If you don’t understand how to write the requested source code, at least explain what you do understand about the problem. Do only 8 out of 11 questions.

1. Set up a one-to-many relationship between the store and cut\_diamond models.
2. Set up a validation that insures that the name is non-empty when creating a new Store object.
3. Place the h1 heading "Cut Diamond Information" on the show view.
4. Change the h1 heading on the index view to "Index of Chicago Cut Diamonds."
5. Change the show view so that instead of displaying the name of the photo file, the photo itself is displayed.
6. Change the index and show views so that the name of the store is shown instead of tstore\_id.
7. Change the :clarity text\_field control on the form for editing or creating a new CutDiamond object to a select control with these options:

|  |  |
| --- | --- |
| String displayed  in select control | Value sent back  to controller |
| Flawless | FL |
| Slightly Included | SI |
| Included | I |

1. Add this line to the bottom of the index view:  
   "There are 26 total diamonds contained in our Cut Diamond database", where 26 is replaced by the number of rows in the database, obtained by an ActiveRecord method called via ERB.
2. Add the background image cut-diamonds.jpg to all pages of the database.
3. Change the text color of all the hyperlinks to green.
4. Change the font size of all h2 headers to 125% of the body font size.