Real Geeks Rails Programmer Interview Project

Attached is a ruby on rails project that is an incredibly simplified version of our Lead Manager application. Which is used by our customers (agents) to communicate and follow up with leads. A "lead" is someone who signs up on our customer's website with an interest in buying or selling property. Agents can have two different roles, the first is "Admin", these are the ones in charge who have set up a team of agents to work with/under them. The regular role of "Agent" is for agents that are only responsible for working the leads that are assigned to them.

Unzip the project and get it running on your development machine. Once you have done that we would like you to add (or make your best effort to add) **at least three** of the following features or changes:

- An API endpoint for creating leads, to receive new leads, from our other services.
- On the lead detail page (LeadsController#show) restrict the ability for regular agents to change who the lead is assigned to. It should only be allowed to admins
- Allow admin agents to change who the lead is assigned to from the leads list page (LeadsController#index) using a select dropdown type menu. This should update the server without reloading the page and give some sort of visual indication that the reassignment was successful.

Leads List

Name	Start Date	Searches	Active Date	Agent
Delia Koepp	7:31 pm 01-11-2015	**Count:** 0 **Most recent:** $800,000+, Port Eliastown	10:31 am 02-04-2015	Kevin McCarthy
Elizabeth Brown	7:31 pm 01-13-2015	**Count:** 0 **Most recent:** $600,000+, Nienowstad	9:31 pm 02-03-2015	Kevin McCarthy
Mariane Goodwin	7:31 pm 01-23-2015	**Count:** 0 **Most recent:** $800,000+, Harrismouth	7:31 pm 02-03-2015	Jeff Manson
Harley Rohan	7:31 pm 01-10-2015	**Count:** 0 **Most recent:** $500,000+, West Dwightfort	1:31 am 02-04-2015	Test User
Mellie Haley IV	7:31 pm 02-02-2015	**Count:** 0 **Most recent:** $200,000+, Stiedemannchester	4:31 pm 02-04-2015	Kevin McCarthy

- When new leads are created assign it to an agent using a "round robin" That way new leads are distributed evenly across all the agents.
- Create some functionality so agents can log an activity they did while working with the lead. Thinks like logging an activity.

- Any other changes or improvements you see as helpful to the application/test code. This is a pretty simple and hasty example application. Some things have been left out intentionally, others you may actually see a better way of accomplishing. Is there a better user experience? Can you see a possible refactoring? Are the tests brittle? Think of the entire codebase as malleable.

For each change or feature you add **write what you did and a paragraph or two** of your motivations and thought process as you were doing it. Compress the project again and send it back to us (appending your name to the filename would be incredibly helpful).

There are tests in the project and they are written in rspec but if you're more comfortable with minitest or some other library go ahead and use that If you're not familiar with testing or don't see a reason it is needed in a certain case that's ok too! There are no right or wrong answers, or boxes we are looking to check off, just let us know what's going through your head as you work.