Rails Project – Knowledgebase('ike)

Overview

Knowledgebase is a content management app that has articles on different topics.   A use case might be to provide product support information to customers for (and maybe some of this is proprietary so company would want to track the user access).

There are 2 types of users.

- Admin users can create/delete topics and have CRUD functions for articles. There is no "ownership" of an article – any admin user can update any article.
- Non admin users can view topics and articles.   For an article, they can mark it as helpful and also "save it"(bookmark).
- *Question: Reasonable restriction is that Admin user cannot login from another service?*

Models

Topics have many articles and an article belongs to a topic.   Topics cannot be deleted if they have any articles.

Bookmarks have a user id and an article id. So a bookmark belongs to a user and a bookmark belongs to an article.

Users
- **X** Email (unique, required)
- **X** Secure Password (required, require confirmation)
- **X** Admin flag (default false)
- **X** Name (required)
- **X** Relationships: has many bookmarks, has many articles through bookmarks

Topic
- **X** Name (unique, required)
- **X** Cannot be deleted if it has any articles
- **X** Relationships: has many articles

Article
- **X** Title (required)
- **X** Content (can contain markup)
- **X** Helpful count
- **X** Relationships: belongs to a Topic, has many bookmarks, has many users through bookmarks

Bookmark
- **X** Has user id and article id
- **X** Belongs to a user and article

Navigation and Functionality

General User:

- Home -   dashboard" maybe with some user profile details + topics index(TBD: maybe user preferences of which topics or maybe based on users bookmarks) and users Bookmarks
- Topics – full index of all topics. This will link to show topic (listing articles) which will link to specific articles. Show articles page has a "helpful" button (and maybe an "unhelpful" button), and a "bookmark" button
- Bookmarks – List of user's bookmarks
- Edit/Update user profile (change name or email)
- Logout

Admin User: Same as Regular User but has additional functionality

- User admin – can set admin flag, edit/update users, delete
- Create Article
    - *Content editing should be wysiwig (so formatting, etc.)*
    - Assign topic (allow adding new topic)
- Topic admin
    - Edit/Update topic (ie. Change name)
    - **D**elete topic (only if no articles)
    - No add topic here – it is available on create article page
- Article Show has "edit article" and "delete article". Admin can create their own bookmarks and mark as helpful.

Routes

Category	Method, URL	Controller Action	Rules (*requires login)
Root	Get /	Application#welcome	If already logged in, get users/:id
Sessions	Post /login	Sessions#create	
	Delete /logout	Sessions#destroy	
Users	Get users/new	Users#new	
	Post /users	Users#create	Anyone can signup
	Get /users	Users#index	*admin only
	Get /users/:id	Users#show	*User "home page"
	Get /users/:id/edit	Users#edit	*Current user edits own id. Admin edits any id.
	Patch /users/:id	Users#update	*Current user edits own id. Admin edits any id.
	Delete /users/:id	Users#destroy	*admin only
Topics	Get /topics	Topics#index	*
	Delete /topics/:id	Topics#destroy	*admin only. Cannot have articles
	Get /topics/:id/edit	Topics#edit	*admin only
	Get /topics/:id/update	Topics#update	*admin only
Articles	xGet /topics/:id/articles/:id	Articles#show	*
	Get /articles/new	Articles#new	*admin only
	Post /articles	Articles#create	*admin only (side result can be new topic)
	Delete /topics/:id /articles/:id	Articles#destroy	*admin only
	Get /topics/:id /articles/:id/edit	Articles#edit	*admin only
	Patch /topics/:id /articles/:id	Articles#update	*admin only
	xPost/topics/:id /articles/:id/like	Articles#like	*
Bookmark	xPost /bookmarks	Bookmark#create	*Should these be topic/id/article/id/bookmark?
	xDelete /bookmarks/:id	Bookmark#destroy	*

UI notes
- Topics show page: for admins, have flag admin on/off. If admin on (default)
  o Show delete edit buttons for articles
  o Show edit buttons for topics
  o If topic has no articles, show delete button
- User home
  o Bookmarks
  o Latest Articles
  o Edit Profile
- Fix admin menu – just users?

- Topics index : sort by? Maybe this is articles index with sort….#135CB5