# 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?*

*Nice to try functionality: when showing index of topics or articles for a topic, it would be useful if user could sort (by title or as most helpful, etc.).  Not sure if this makes more sense to be in front end framework.  Otherwise, with just rails, maybe it is a little form on the index page and when user clicks "sort", it will go back to index route with the sort preferences?*

## 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.  Articles cannot be deleted if they are bookmarked.

### Users
- Email (unique, required)
    - Tbd require email confirmation
- Secure Password (required)
- Admin flag (default false)
- Name (required)
- *UID needed for omniauth?  (to keep track of id for user logging in through other service)*
- Relationships: has many bookmarks, has many articles through bookmarks

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

### Article
- Title
- Content

- Helpful count
- Relationships: belongs to a Topic, has many bookmarks, has many users through bookmarks
- TBD: can be deleted if there is a bookmark but bookmark will need to handle

## Bookmark
- Has user id and article id
- 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
- *TBD: Search for articles based on keywords?  Maybe if there is a gem for this…*

Admin User:   Same as Regular User but

- Topics Index has "add topic" button
- Topics Show/Articles Index has "add article" button
- Article Show has "edit article" and "delete article".  Admin can create their own bookmarks but can't mark articles as helpful.
- *TBD: reassign article from one topic to another*

## Routes
- Sign up
  - Get '/users/new' => users#new
  - Post '/users' => users
- Login
  - Get '/login' => sessions#new
  - Post '/login' => sessions#create
- Logout
  - Delete '/session' => sessions#destroy
- Topic index
  - Get '/topics' => topics#index
- Topic show
  - Get '/topics/:id' => topics#show
- Topic new/create
  - Get '/topics/new' => topics#new
  - Post '/topics' => topics#create
- Topic edit/update
  - Get 'topics/:id/edit => topics#edit

- o Patch 'topics/:id' => topics#update
- Topic delete
  - o Delete 'topics/:id' => topics#destroy
- Article show
- Article new/create
- Article edit/update
- Article delete
- Article helpful update
- Bookmark create
- Bookmark delete