Simple QA Website

Tech to be used:

* asp.net web forms
* sql server

Site to be developed similar to <https://answer.dev/>

**Table and field Ideas:**

All tables (except Tag) have:

* Id guid, system generated
* ByUserid, system assigned
* PostedDate, system assigned

Question

* Description
* PublicViewable (true/false)

QuestionAnswer

* QuestionId
* Description
* UserViewable (true/false)

QuestionComment

* QuestionId
* Description
* UserViewable (true/false)

CommentAnswer

* CommentId
* Description
* UserViewable (true/false)

QuestionViewLike

* QuestionId
* View (0,1 if 0 then its a view only to add to the view count else if 1 then its a like to add to the like count)

Tag

* id guid
* Description

QuestionTag

* id guid
* QuestionId
* TagId

**Table relationships:**

A Question can have 0 or 1 QuestionAnswer

A Question can have 0, 1 or more QuestionComment

A QuestionComment can have 0, 1 or more CommentAnswer

A Question can have 0, 1 or more QuestionViewLike

A Tag can have 0, 1 or more QuestionTag

A Question can have 0, 1 or more QuestionTag

**Security:**

Admin add, view, edit, delete anything.

Public can only view publicly viewable questions and can do nothing else.

|  |  |
| --- | --- |
| **Table** | **Registered User** |
| Question | Can add, view, edit own question  View others if public viewable |
| QuestionAnswer | View if public viewable |
| QuestionComment | Can add, edit own comment  View if user viewable is true |
| CommentAnswer | View if user viewable is true |
| QuestionViewLike | Can add, delete own likes.  System adds views automatically when user clicks on a question to view it. |
| Tag | Admin only |
| QuestionTag | Admin only |

**Processes:**

A question is posted by user

Question is hidden by default by all except admin and the user that posted the question

The question is emailed to admin

The question is authorised to be public viewable by admin

The question can only be answered by admin

Users can add comments to questions

Comments can only be answered by admin

The view count for a question increases when a user clicks on a question

A user can click like for a question to increase the like count of a question

Admin adds, edits and deletes tags to questions

Public can view questions if it is public viewable and can see nothing else

**Interface, front page:**

Similar to this.

Quick filter to be Newest | Likes | Views | Unanswered

Have tag cloud as on the right-side panel

Allow screenshots to be posted into question, answer and comment panels

