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| **ENTITY** | **DEFINITION** | **FUNCTION** |
| Notes | A note is a piece of writing that a user enters – The purpose of the note is to allow the user keep a record of what they learn – but the notes should be in a way that they are ordered.  A note is only text format, we cannot pictures as notes, we cannot have any other type of data besides text as notes.  A note has a the following attributes  Title  Date\_Created  Date\_Updated  Text  Link  Weight  Word Count  Collaborator  userId | Every entity should have a read, update, delete and insert.  My desire with the notes, so make it more structured, I want to be able to do the following:   * Organize the notes so that they are easy to the user * Give the user a place to find their notes. * Allow the notes to be intelligent |
| **ALGORITHMS** | | |
| Notes | I can order the notes by date, this means that also if we have a title I can order the notes by it, but the other most impressive thing is that I can use the updated at as a means of creating a relevance order – and another thing is how is the person going to get their notes.  Title  The title attribute is added by the user, there are two options in adding the title attribute – The first option is the conventional way where the user adds the title for the note, if the user omits the title – the system should add the title for the user [How: There are several ways of adding the title – one thing that we can do is to look for common words in the notes.text, or antoher thing that we can do is to take the first sentence and make it the title of the notes, For now we are going to go with first 5 words of the notes.text]  The issue that arises is we might have duplicate notes, in order for us to fix this issue we can go for something like a word count, where we show the user the number of words in the text, and also the last update – The last update would help the user see how recent the notes are, which time is unique from any other note in the system.  I am thinking that I can orgnize the notes by the location (Guideline) the location here would be guideline, and if the note is captured outside the guideline the notes can be organized by making use of the the date updated.  Now the question that also comes is what makes up the weight attribute?  Date\_Created  This attribute is only created done only once, the purpose is to allow the user to see when the note was created – The question that I have is how would this be useful to the user, the user might use this order their work, but how? – because the most important thing that the user is going to interact with is the updated at attribute – But I think it is best to leave this attribute as is because a user might want to know when they created their note.  With that in mind this attribute is only inserted once, it is never updated by the user.  The notes should be orderd by the updated\_date -  Date\_updated  The purpose of the date updated, is to allow the user to see the current note that they were working on –  What this means to me is that we need to order our work based upon the date updated.  The date updated attribute is updated whenever a user edits their notes.  When a user edits their notes, I am going to updated the date\_updated attribute.  This will be useful when the user wants to order their notes, the way that we are going to make this work is to create multiple order queries for the user to order their notes –  We also need to have a search button where the user is going to search the note that they want.  Text  The text here refers to the message that is contained in the text, this is the actual notes.  Now I noticed that I get an error when I take more notes than it is needed.  And I fail to understand what the issue could be with the notes.  The one thing that I am learning is that if we take notes and the notes happen to have special characters or escape characters, backticks or quotation marks the whole note becomes invalid. – Now the question is how do we fix this?  I think this text here should be a json object – the reason is because if we have it become a json object I can be able to properly request it – or rather I can enclose everything inside backticks but even I do I will still get an error when my notes contain backtics – or else except if I put an escape character on my backtic – and the question that comes is how often do I get backtick? - But if this idividual will be a programmer they might be taking a lot of code – which contains a mixture of all characters. | |
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