



Note Server Functional Requirements

The server must:

1. **Users.** Keep track of user information. For each user, the following information will be present. Obligatory information is indicated:

Column	Description	Required (*)
name	The username of the user.	*
password	The SHA-1 hash of their password.	*
email	Their email address.	

2. **User CRUD.** Support standard CRUD operations for Users.
3. **Unique User Name.** Allow only unique user names.
4. **Notes.** Track information on notes. For each note, the following information will be present. Obligatory information is indicated.

Column	Description	Required (*)
title	The title of the note.	*
body	The body or content of the note.	
created	The date the note was recorded.	*
createdBy	The user who recorded the note.	*
category	The category of the note.	*
reminder	The date of the note's reminder.	

5. **Note CRUD.** Support all standard CRUD operations for Notes.
6. **Unique Note Title.** Allow only unique note titles.
7. **Note Dates.** Guarantee that a note's created date chronologically precede their reminder date.
8. **User Notes.** For each user, list the Notes they created.