BACKLOGGED - Personal Project Proposal

Description:
Backlog tracking application that allows users to enter items to track and displays them in a table sorted by priority. From the home page, the user may select a backlog type to filter out all other items not of that type.
Each tracked item will have a name, description, backlog type and priority and will be saved in the database along with a timestamp.
The user will be able to Add a new backlog item, edit an existing backlog item, delete a backlog item and mark a backlog item as complete.

Features:
Updated User Stories / issues are here: https://github.com/users/flacodan/projects/2/views/1
Iteration plan can be found here: 📄 Backlogged Plan

MVP:
1. User is able to create a backlog item (**goal**) which is saved to a postgresql db
2. User is able to view a list of backlog **goal**
3. User is able to edit an existing backlog **goal**
4. User is able to delete an existing backlog **goal**
5. User is able to mark a backlog **goal** as completed
6. Single default user for all goals
7. No login in MVP

Bonus Features:
1. Add login/logout functionality.
2. Add optional due date, % complete and estimated completion hours to backlog object.
3. Add 'days of the week I actually have time for this **goal**' to backlog object.
4. Sort backlog table by priority, age, % complete, due date.
5. Custom prioritization scoring based on 'priority', 'backlog type' modifier value, day of the week modifier, age modifier, due date modifier, free-time factor.
6. Calculate earliest possible completion date based on estimate and days-of-week-i-have-time
7. Consider simplifying estimated completion hours to 'Instant', 'Quick', 'An hour', 'Several hours', 'A Day', 'Several Days', 'Unending'... not sure that's simpler though.
8. Allow notion of a backlog **goal** 'Depends on' another backlog item (child of?). Some things must be done in order.
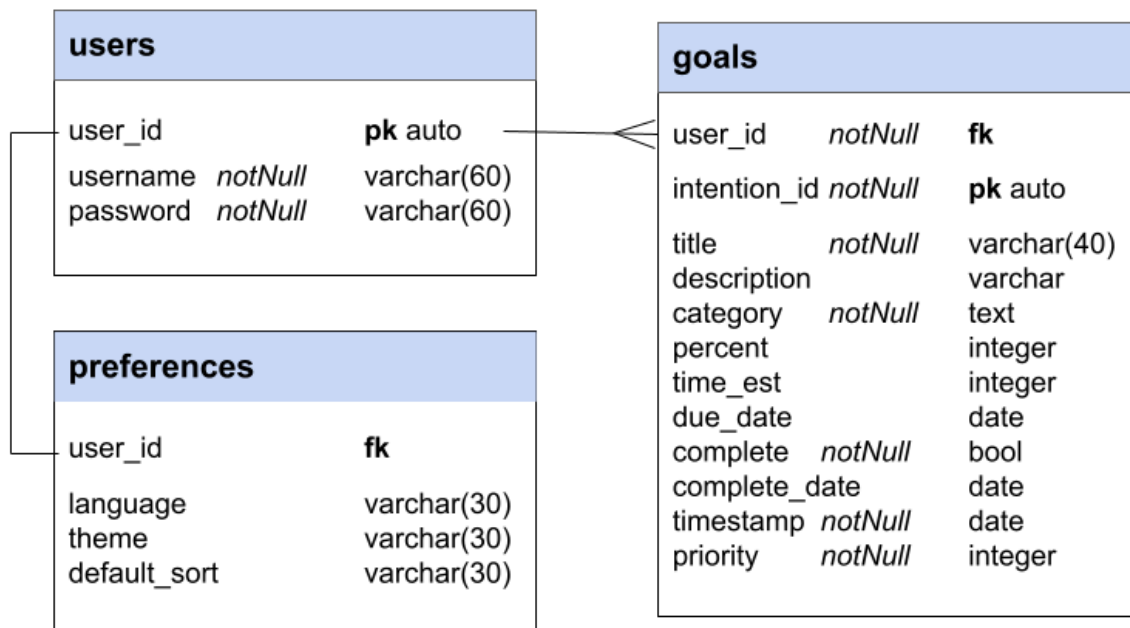
Not going to happen features:
1. Browser plug in that allows you to send a webpage to your backlogged account along with a title that will cause Backlogged to create a backlog **goal** automatically for you, containing the url of the page you were on.

2. Upon completing a book, game or move type **goal**, backlogged offers to send you to a web service (such as goodreads, metacritic…) to rate and comment on the completed item.

Unprocessed Feature thoughts:
1. In completed/historical, rate the **goal** item, comment, set to repeat?
2. Badges? Distracted, precise, hurried, bogged down

Data Structure:

users

user_id		**pk** auto
username *notNull*	varchar(60)	
password *notNull*	varchar(60)	

preferences

user_id	**fk**
language	varchar(30)
theme	varchar(30)
default_sort	varchar(30)

goals

user_id	*notNull*	**fk**
intention_id	*notNull*	**pk** auto
title	*notNull*	varchar(40)
description		varchar
category	*notNull*	text
percent		integer
time_est		integer
due_date		date
complete	*notNull*	bool
complete_date		date
timestamp	*notNull*	date
priority	*notNull*	integer

Don't keep in table: Categories - make them an enumeration? Or Set?

React Model:
APP
      NavBar
      Sort/Filter buttons (should these be parents of CardList?)
      CardList
            Card
                  Complete Button
                  Open item edit (the whole card is a button)

Wire frame:

| ⌂ | 📖 | 🎬 | 🎮 | 🎞 |

⬆ % ▭ ⧗ ☑

| 📖 | **The Arkadians** | | 70% | ✓ |
| ⬆ 88 | Read a book I liked as a kid | Estimate: 3 days | 27 days | |

| 🎬 | **Clean the garage** | | 0% | ✓ |
| ⬆ 88 | Isn't it about time? | Estimate: 3 days | 275 days | |

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≡ \\ BACKLOGGED_ _ _ _ _

Add Logged Item:

Title: Priority:

Description:

% Complete: 0 %

Total Hours:

Days I'd work on per week:

✓   ✗

Extra Stuff

Created favicons here: https://redketchup.io/favicon-generator