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Homework 6: Search Application Functionality

1. My website allows users to search through a database of various mushrooms.
2. A woman finds a mushroom while hunting in her backyard and wants to search through the database to see if she can find a picture that resembles the mushroom she found. She then can determine whether to eat the mushroom. (or maybe cook is given mushroom and wants to look up what to do with it, but this isn't too focu

3.

{

Id: 23,

Species: "Cantharellus formosus",

Image:

"https://upload.wikimedia.org/wikipedia/commons/thumb/8/8e/Cantharellus_formosus_174975_Belfair.jpg/353px-Cantharellus_formosus_174975_Belfair.jpg",

Edible: "Yes.",

Info: "Cantharellus formosus mushrooms vary in color from orange to yellow and are native to the Pacific Northwest region of North America. They have a mild, sweet odor. The mushrooms are edible and are the most important commercially harvested Cantharellus species in the Pacific Northwest. Fun Fact: Cantharellus formosus is the state mushroom of Oregon.",

CommonNames: [

"Pacific Golden Chanterelle"

],

ApproximateCapSize: 3,

Comments: [

"Whoo, go Oregon! Born and raised in Seattle. Never saw one of these mushrooms, but I guess that's because I lived in Seattle haha",

"Interesting note: Pacific golden Chanterelle mushrooms have a pinkish hue on their false gills.",

"Mushrooms are so colorful! Who doesn't love them?!"

]

}

4. When deleting the data, I got the data item to disappear by actually deleting the item from the database in the backend. When the delete button was pressed, a call would be sent to the backend, containing the id of the mushroom entry corresponding to the pressed button. In the backend, that mushroom entry would be removed, and the updated array would be sent back to the client.

5. The input page to create a new item looks something like this:

Create A Mushroom Entry!

NOTE: Please make sure your entry is accurate. We pride ourselves on the accuracy of our database. Consequently, we have thousands of moderators who will remove any invalid entries.

Species:

Image Link:

Edible:

Approx. Cap Size:

Common Names:

Information:

Comment:

An example entry would be:

Species:

Boletus edulis

Image Link:

https://upload.wikimedia.org/wikipedia/commons/thumb/b/bo/Boletus_edulis_EtgHollande_041031_091.jpg/351px-Boletus_edulis_EtgHollande_041031_091.jpg

Edible:

Yes.

Approx. Cap Size:

7

Common Name:

Penny Bun

Information:

Boletus edulis mushrooms are relatively large light brown mushrooms. They grow in deciduous and coniferous forests and can be found all over the globe, from North American to China. Penny Buns are considered one of the safest wild mushrooms to pick, as few poisonous species closely resemble it. The mushrooms taste nutty and slightly meaty and are often used in soup and sautéés.

Comment:

Try eating these raw! Even without any additional flavoring they are surprisingly tasty!

6. A user can search for any mushroom they desire. If they aren't sure of the exact name, they can enter something similar (i.e. letters that are in the name of the mushroom species). Alternatively, the user can just press ("Submit") without entering any text and all the entries will be displayed.

a. If a user recalls a mushroom with the name "semi" in it, but don't recall the exact name, just type "semi" into the search bar and press "Submit". The entry to "*Psilocybe semilanceata*" will appear. After clicking on the entry, the user will be taken to a page similar to this one:

[<-- Go back to homepage](#)

Psilocybe semilanceata



Edible: Yes.

Approx. Capsize: 1 in.

Common Names:

Liberty Cap

Info: Psilocybe semilanceata mushrooms are one of the most potent hallucinogenic mushrooms. They are notable for their bell-shaped cap and grow in wet grassland habitats, most commonly in regions of Europe. The first documentation of Liberty Caps was by a British Family in 1799 who ate the mushrooms with a meal. The father and children subsequently had a psychedelic experience.

Comments:

1. Freeing...
2. Crazy what mushrooms can do! Some can cause cancer, some can cure cancer, and some can make you hallucinate!

[Add/edit Comments](#)

From here, a user can click on “Add/edit Comments” to add a comment. (Note: Piazza Post @421 specifies that we can implement an “add” functionality rather than an “edit” functionality if that better suits our purposes. To make it easier for the graders it was recommended by Professor Chilton that call our button “Add/Edit”. In this case, I thought it was more logical to add your own comments (since it’d be odd if you could edit other users’ comments)).

6b.

At this point, you’ll see a screen that’s something like this:

Add A Comment!

Current Comments:

1. Freeing...
2. Crazy what mushrooms can do! Some can cause cancer, some can cure cancer, and some can make you hallucinate!

Enter Comment:

Submit Comment

Discard Changes

You can add the comment “Make sure you don’t accidentally pick these!” and press Submit Comment. This will take you back to the page with the info about these mushrooms and you’ll see your new comment! Alternatively, if you pressed “Discard Changes” you would be taken back to the page with the info about these mushrooms but you won’t see your new comment.