

Project: Hero Database

Time Frame: 1 week



Goal: Create a full stack application with a React front end, and use express/mongoose to communicate with a MongoDB database.

In our case, we will be creating a database for the heroes in the video game *DOTA 2*. You will only need to modify the following files:

- hero.js in the backend folder
- heroes.js in the backend folder
- App.js in the frontend folder

hero.js

Create the data schema for a Hero with the following string fields:

- name
- attack
- attribute

heroes.js

The router.get() method has already been done for you. You need to fill in:

- router.post()
 - Make a new Hero and set its fields to the req fields.
- router.put()
 - Most of the code has been done for you. All you need to do is fill in the two brackets that the update method will take in. The first bracket is the key

that we will use to find the hero we want to modify. The second bracket is the field we want to change which in our case is the attack field.

- `router.delete()`
 - The code here is similar to the `router.put()` method. Use a method like `findOneAndRemove`.

App.js

You will need to:

- Finish the rest of the constructor.
- Code `putData()` and `delData()`. These methods are very similar to `postData()`.
- Finish the forms. The form for POST has already been done for you. Use it as a template for PUT and DELETE.

Testing

These should all work fine with no errors:

- Add a hero with the fields:
 - name: Lina
 - attack: ranged
 - attribute: intelligence
- Delete the hero `Crystal_Maiden` in the database.
- Modify the hero `Snapfire`'s attack type to `melee`.