

[1] Build a simple RESTFUL API Using Node, Express, MongoDB, and mongoose.

Create a CRUD API Endpoint:

LOCATIONS

[GET] <http://api/places>

- Return List of Places

It should accept ordering and filtering.

It should return results based on the parameters sent:

- Min Distance (from the user)
- Max Distance (from the user)
- Sort Option by Distance or A-Z

You may use geospatial index.

[GET] <http://api/places/:location>

- Return Specified Location Info or Error if not found.

If the user sends his location as (GET) parameters (coordinates or his city):

The API should also return the distance btw the user and the location.

[POST] <http://api/places/:location>

- Add new Location
- Data must be validated and must return an error in the case it doesn't pass.
- Parameters: locationName, description, [photos], zipCode, province, country, city, address
- You should handle photo upload.

[PUT] <http://api/places/:location>

- Update the record/item.

FAVORITES

[GET] <http://api/places/favorites>

[POST] <http://api/places/favorite>

- Parameters: locationID, createdAt, userID

[DELETE] `http://api/places/favorite/:favorite`

Your API should return data in JSON.

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[2] Create a simple Angular web application making use of this API.

- The app should offer filtering and ordering options to the user.
- It should upload photos.

Be creative and create/use an intuitive interface.

You should create a GIT Repository on Github or Bitbucket and comment major changes on your code simulating a collaborative development process.

Keep in mind that in a real project other developers would look at your commits to try to understand the changes you made.

Make use of good programming practices.

Review your solution, refactor your code if necessary (show work track through your GIT commit history).

CREATE a README. Explain you project.

Send us the link. ;)

- a) Keep Track of your time. How long did it take you?
- b) Did you enjoy this assignment? Why or Why not?
- c) What would you do to improve this small application?
- d) How could our simple API be turned into something cool?

Good Luck!