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| *6iporAnbT.jpg* | ***Serious exercises*** |

**Exercise 1:**

Remove **ALL** documents in your Service Collection

**Exercise 2:**

Re design your Service collection, add these fields: image, description, measurements (should be a list)

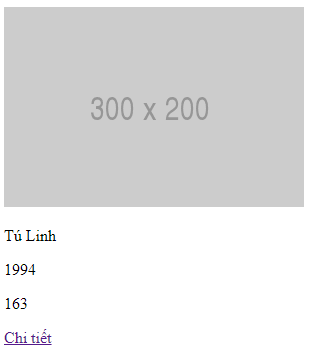
Ex: description: “ngoan hiền, dễ thương, lễ phép với gia đình, ...”,

measurements: [90, 60, 90]

Populate new data with **real** image link

**Exercise 3:**

In Services Page, in each service item add a link named “Chi tiết” or “Tìm hiểu thêm”.



which brings user to a new route - /detail.

The /detail routerenders a template showing **ALL** information of a Service

The route should look like this:

[http://127.0.0.1:5000/detail/5a36299e9f10831aaae091ea](http://127.0.0.1:5000/update/5a36299e9f10831aaae091ea)



**Exercise 4:**

Learn how to create this HTML input tag named “gender”



When Admin click “Thêm” button, besides extracting/parsing name, yob, phone, also extract/parse the gender field from form

Then, create new service document in database from these extracted information

**Exercise 5:**

Learn how to set the **default value** of a inputtag

**default**, in this case, means even before user entering anything, input tags already filled, as shown below

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*Note: you don’t need a server, just write some html code, open it using browser and make sure your HTML code works*

**Exercise 6:**

Create new /update-service route linked from “Sửa” action in /admin route.

The route should look like this:

[http://127.0.0.1:5000/update-service/5a36299e9f10831aaae091ea](http://127.0.0.1:5000/update/5a36299e9f10831aaae091ea)

This route renders a form showing the current infomation of a service, in which when admin clicks “Cập nhật”, will update the entered Service information into the respective document in database.

**These below exercise are OPTIONAL**

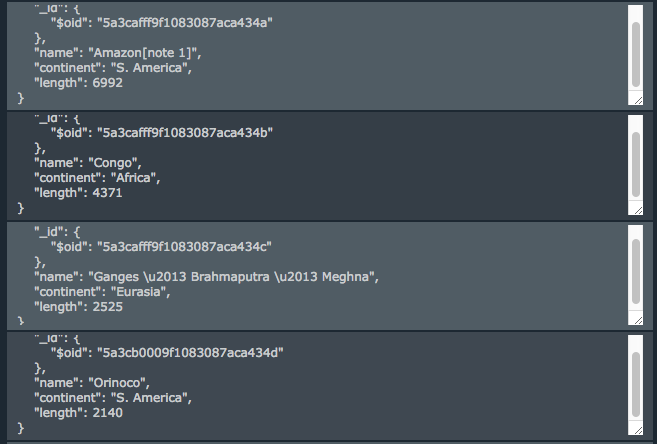
**Exercise 7 (Optional):**

Below is the image of a database with URI:

mongodb://admin:[admin@ds021182.mlab.com](mailto:admin@ds021182.mlab.com):21182/c4e



There is a collection named ‘river’, which comprises of 139 river information: name, continent and length in *km*



Use mlab.py to connect to this database, this connection will be used in Exercise 8 and 9

**Exercise 8 (Optional):**

Of Exercise 7’s river collection, list ALL rivers in ’Africa’ continent

**Exercise 9 (Optional):**

Of Exercise 7’s river collection, list ALL rivers in ‘S. America’ continent with length less than 1000 *km*