Task #1:
Develop backend with REST-like API

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Instructions

- Install node and npm with version 4.4.4
  - https://www.npmjs.com/
- Install express
  - % npm install express --save
  - % npm install
- Start
  - % node index.js

Web Based Interface

Buttons
ADD: adds item
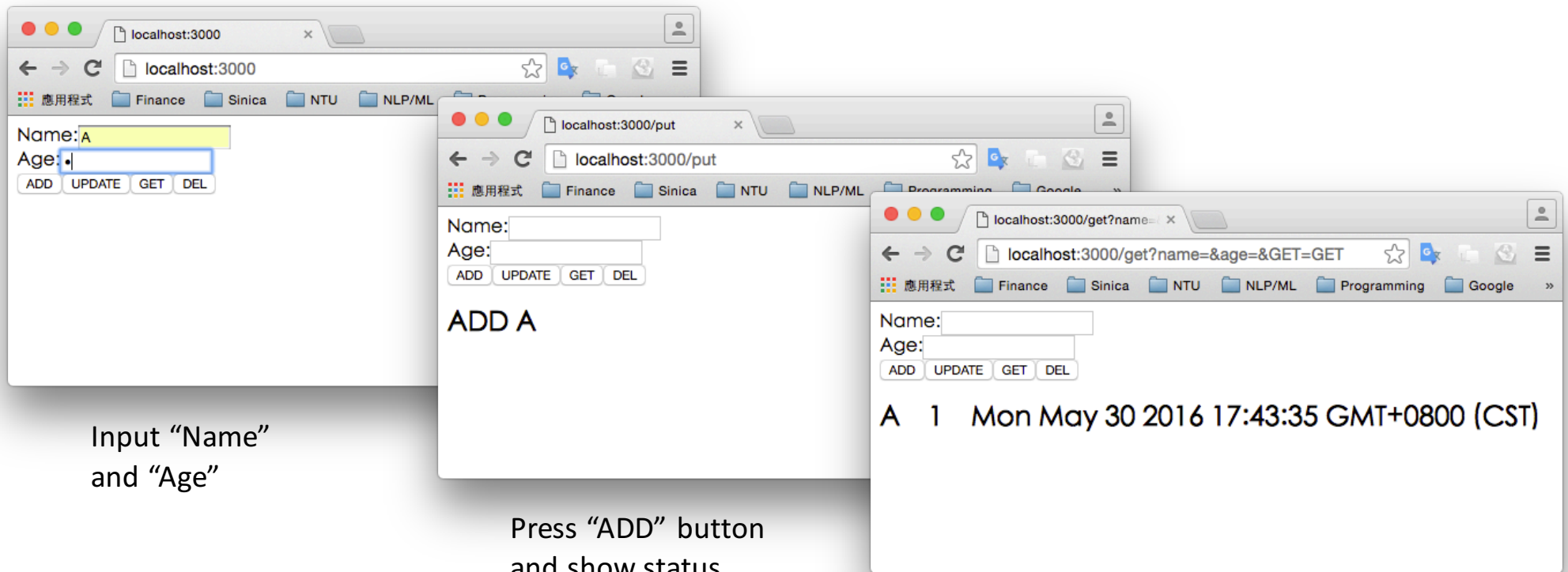UPDATE: updates item
GET: returns list of all
objects
DEL: deletes item

Input "Name" and
"Age"

Show list of all
objects

localhost:3000/get?name=

localhost:3000/

應用程式   Finance   Sinica   NTU

Name:
Age:
ADD   UPDATE   GET   DEL

Result: ADD item

Input "Name" and "Age"

Press "ADD" button and show status

Press "GET" button and get a list with request content and timestamp

Result: UPDATE item

Get a list
The age of B is 2

Input "Name" to B
and "Age" to 5

Press button "UPDATE"
and show status

Re-get the list
The age of B sets to 5

Result: DELETE item

Get a list
The list has 3 items

Input "Name"

Press "DEL" button
and show status

Re-get the list
The list remains 2 items

Console Log of Node

```
[cmli@DHCP-19099:~/Desktop/Sinica/me/ntu/bd/android/avast_task1]% node index.js
AVAST_TASK1 listening on port 3000!
Mon May 30 2016 17:43:35 GMT+0800 (CST) [PUT] Add: A
Mon May 30 2016 17:43:44 GMT+0800 (CST) [GET] Name:
Mon May 30 2016 17:49:52 GMT+0800 (CST) [PUT] Add: B
Mon May 30 2016 17:50:00 GMT+0800 (CST) [PUT] Add: C
Mon May 30 2016 17:50:03 GMT+0800 (CST) [GET] Name:
Mon May 30 2016 17:51:50 GMT+0800 (CST) [POST]  Updated B
Mon May 30 2016 17:51:59 GMT+0800 (CST) [GET] Name:
Mon May 30 2016 17:59:57 GMT+0800 (CST) [GET] Name: A
Mon May 30 2016 18:00:17 GMT+0800 (CST) [DELETE] A
Mon May 30 2016 18:00:26 GMT+0800 (CST) [GET] Name:
```