

1. MongoDB

Below is testing result for /api/guests, using mocha & chai

```

(node:3200) Warning: Accessing non-existent property 'count' of module exports inside circular dependency
(Use 'node --trace-warnings ...' to show where the warning was created)
(node:3200) Warning: Accessing non-existent property 'findOne' of module exports inside circular dependency
(node:3200) Warning: Accessing non-existent property 'remove' of module exports inside circular dependency
(node:3200) Warning: Accessing non-existent property 'updateOne' of module exports inside circular dependency
Server started on port 3000.

Guest
/POST guest
  ✓ it should not POST a book without firstName field (186ms)
  ✓ it should POST a guest (64ms)
/GET guest
  ✓ it should GET all the guests (56ms)
/GET/:id guest
geust by id5f9a54260af2bd0c8069cd32
{
  _id: 5f9a54260af2bd0c8069cd32,
  firstName: 'mimi',
  lastName: 'mama',
  email: 'mima@gmail.com',
  phoneNumber: '0813489878',
  created: 2020-10-29T05:33:26.421Z,
  __v: 0
}
  ✓ it should GET a guest by the given id (110ms)
/PUT/:id guest
geust by id5f9a54260af2bd0c8069cd33
{
  _id: 5f9a54260af2bd0c8069cd33,
  firstName: 'nani',
  lastName: 'nina',
  email: 'nina@gmail.com',
  phoneNumber: '0813489445',
  created: 2020-10-29T05:33:26.550Z,
  __v: 0
}

```

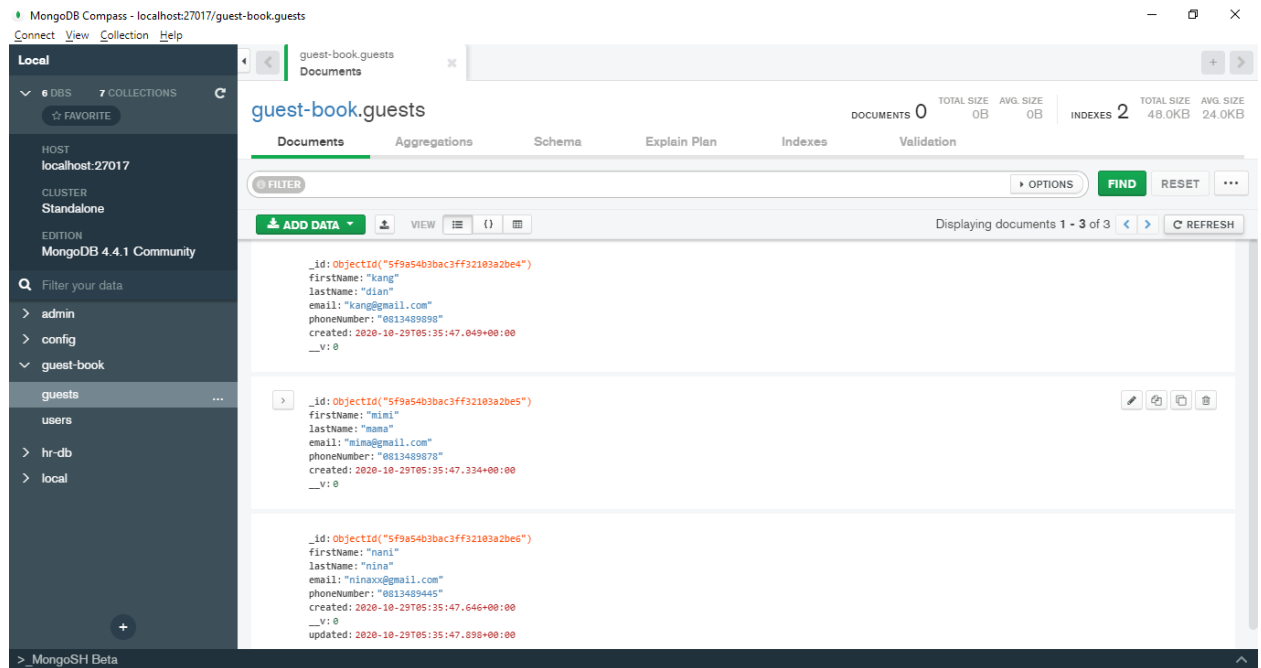
```

  ✓ it should UPDATE a guest given the id (1367ms)
/DELETE/:id guest
geust by id5f9a54280af2bd0c8069cd34
{
  _id: 5f9a54280af2bd0c8069cd34,
  firstName: 'nona',
  lastName: 'nonon',
  email: 'noon@gmail.com',
  phoneNumber: '0813489445',
  created: 2020-10-29T05:33:28.203Z,
  __v: 0
}
  ✓ it should DELETE a guest given the id (899ms)

6 passing (4s)

```

Data in mongodb after testing



2. User Interface

Framework Use :

ReactJS & Material-UI

Sign In

The screenshot shows the 'GuestBook Quadran' web application. The header bar contains the application name and navigation links: 'USERS', 'GUESTS', 'ADD GUESTS', 'SIGN UP', and 'SIGN IN'. The 'SIGN IN' link is highlighted. Below the header, there is a 'Sign In' form with two input fields: 'Email' (containing 'oyomcp@gmail.com') and 'Password' (containing '*****'). A 'SUBMIT' button is located at the bottom of the form.

If we want to add or update users/guest, first, we have to signin.

List Of User

The screenshot shows a web browser window with the address bar at localhost:3000/users. The application header is dark blue with the text 'Guest Book Quadran' and a home icon, followed by navigation links: 'USERS' (highlighted in red), 'GUESTS', 'ADD GUESTS', 'MY PROFILE', and 'SIGN OUT'. The main content area is titled 'All Users' and displays a list of six users, each with a circular profile icon and a right-pointing arrow. The users are: oyom, diancp, yoni (highlighted with a light gray background), kangdian, and another kangdian entry at the bottom.

User Name	Action
oyom	→
diancp	→
yonl	→
kangdian	→
kangdian	→

User Profile

The screenshot shows the 'User Profile' page. The browser address bar is localhost:3000/user/5f984ab81182982ba8ca394c. The header is the same as the previous page, but 'MY PROFILE' is highlighted in red. The main content area is titled 'Profile' and shows a user profile for 'oyom' with email 'oyomcp@gmail.com'. There are edit and delete icons to the right of the profile information. Below the profile, it says 'Joined: Tue Oct 27 2020'.

Profile

oyom
oyomcp@gmail.com

Joined: Tue Oct 27 2020

Edit Profile

The screenshot shows the 'Edit Profile' form. It has a title 'Edit Profile' in red. There are three input fields: 'Name' with the value 'oyom', 'Email' with the value 'oyomcp@gmail.com', and 'Password'. Below the fields is a dark blue 'SUBMIT' button.

Edit Profile

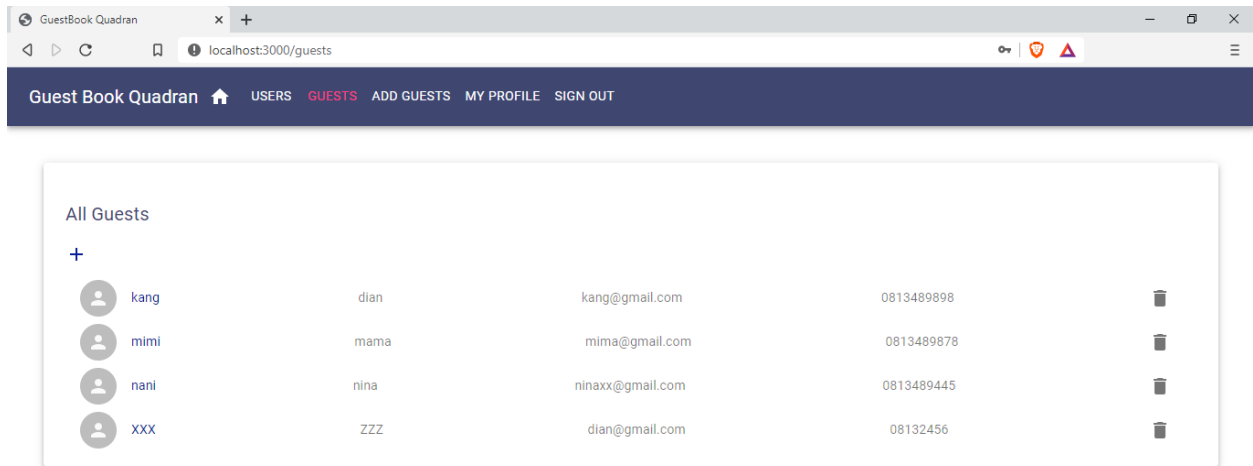
Name
oyom

Email
oyomcp@gmail.com

Password

SUBMIT

List Of Guest



Add Guest

The form is located on a light gray background. It consists of four input fields: 'First Name *' (with a cursor), 'Last Name *', 'Email Address *', and 'Phone Number *'. Below these fields is a dark blue 'SUBMIT' button.

Note :

I terribly sorry because, I couldn't complete the test, I have to review react again, I originally wanted to use tailwindcss, but it always fails in the webpack. Thanks for opportunity