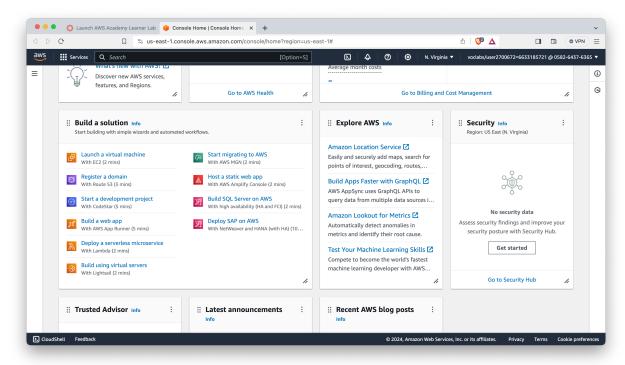# Deployment
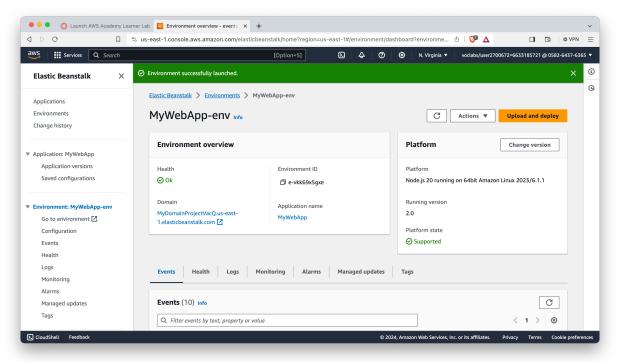## 1.AWS console

2. Environment successfully launched
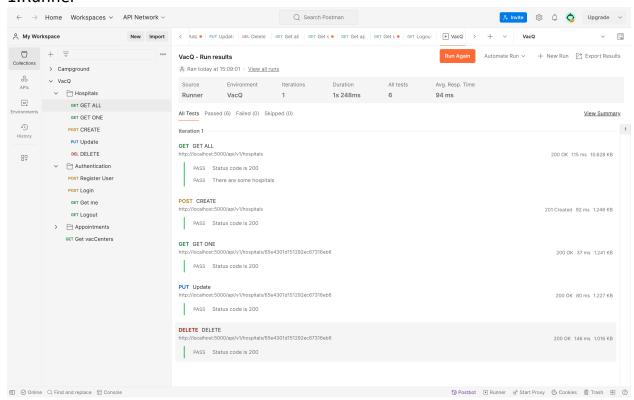
3. "Get All Hospitals" API from AWS Elastic Beanstalk
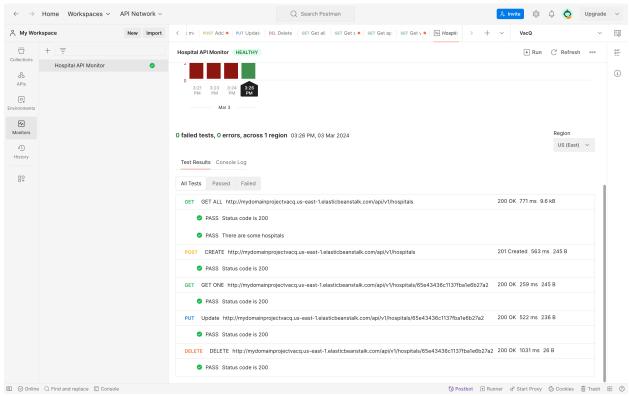
mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals

{"success":true,"count":25,"pagination":{"next":{"page":2,"limit":25}},"data":[{"_id":"65df1b1fcf895e14dcbfef9d","name":"Hack Hospital","address":"Ratchathewi","district":"Bangkok","province":"Bangkok","postalcode":"10400","tel":"02-1234567","region":"Bangkok","__v":0,"appointments":[],"id":"65df1b1fcf895e14dcbfef9d"},{"_id":"65df1aa295dc5b516c2dbbbf","name":"Hack Hospital<script>alert(1)</script>","address":"Ratchathewi","district":"Bangkok","province":"Bangkok","postalcode":"10400","tel":"02-1234567","region":"Bangkok","__v":0,"appointments":[],"id":"65df1aa295dc5b516c2dbbbf"},{"_id":"65d76aef6bb3ae791202f8fb","name":"PK2","address":"Ratchathewi","district":"Bangkok","province":"Bangkok","postalcode":"10400","tel":"02-1234567","region":"Bangkok","__v":0,"appointments":[],"id":"65d76aef6bb3ae791202f8fb"},{"_id":"65d36c1ac6237732d29fb9cb","ลำดับ":1,"name":"กระบี่","address":"325 ถนนอุตรกิจ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-611212","region":"ภาคใต้ (SOUTH)","appointments":[],"id":"65d36c1ac6237732d29fb9cb"},{"_id":"65d35cc3071e4ef0391cc777","ลำดับ":1,"name":"กระบี่","address":"325 ถนนอุตรกิจ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-611212","region":"ภาคใต้ (SOUTH)","appointments":[],"id":"65d35cc3071e4ef0391cc777"},{"_id":"65d36c23969f8fef2a22d9bf","ลำดับ":1,"name":"กระบี่","address":"325 ถนนอุตรกิจ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-611212","region":"ภาคใต้ (SOUTH)","appointments":[{"_id":"65dd5ed867559c65bdf43925","apptDate":"2021-11-15T17:00:00.000Z","user":"65d6e9b7df736fd7a869b6e0","hospital":"65d36c23969f8fef2a22d9bf","createdAt":"2024-02-27T04:02:32.310Z","__v":0}],"id":"65d36c23969f8fef2a22d9bf"},{"_id":"65d36c1ac6237732d29fb9ce","ลำดับ":3,"name":"กระบินทร์เทพ อินเตอร์เนชั่นแนล","address":"1 ถ.พิศาลภพ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-626555","region":"ภาคใต้ (SOUTH)","appointments":[],"id":"65d36c1ac6237732d29fb9ce"},{"_id":"65d35cc3071e4ef0391cc779","ลำดับ":3,"name":"กระบินทร์เทพ อินเตอร์เนชั่นแนล","address":"1 ถ.พิศาลภพ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-626555","region":"ภาคใต้ (SOUTH)","appointments":[],"id":"65d35cc3071e4ef0391cc779"},{"_id":"65d36c23969f8fef2a22d9c1","ลำดับ":3,"name":"กระบินทร์เทพ อินเตอร์เนชั่นแนล","address":"1 ถ.พิศาลภพ ต.ปากน้ำ","district":"เมือง","province":"กระบี่","postalcode":"81000","tel":"075-626555","region":"ภาคใต้ (SOUTH)","appointments":[],"id":"65d36c23969f8fef2a22d9c1"},{"_id":"65d36c1ac6237732d29fb98c","ลำดับ":6,"name":"กรุงสยามเซนต์คาร์ลอส","address":"5/84 ม.2 ถ.ติวานนท์ ต.บ้านกลาง","district":"เมือง","province":"ปทุมธานี","postalcode":"12000","tel":"02-9756700","region":"ปริมณฑล (Perimeter)","appointments":[],"id":"65d36c1ac6237732d29fb98c"},{"_id":"65d36c23969f8fef2a22d96b","ลำดับ":6,"name":"กรุงสยามเซนต์คาร์ลอส","address":"5/84 ม.2 ถ.ติวานนท์ ต.บ้านกลาง","district":"เมือง","province":"ปทุมธานี","postalcode":"12000","tel":"02-9756700","region":"ปริมณฑล (Perimeter)","appointments":[],"id":"65d36c23969f8fef2a22d96b"},{"_id":"65d35cc3071e4ef0391cc73b","ลำดับ":6,"name":"กรุงสยามเซนต์คาร์ลอส","address":"5/84 ม.2 ถ.ติวานนท์ ต.บ้านกลาง","district":"เมือง","province":"ปทุมธานี","postalcode":"12000","tel":"02-9756700","region":"ปริมณฑล (Perimeter)","appointments":[],"id":"65d35cc3071e4ef0391cc73b"},{"_id":"65d35cc3071e4ef0391cc731","ลำดับ":62,"name":"กรุงเทพ","address":"2 ช.ศูนย์วิจัย 7 ถ.เพชรบุรีตัดใหม่","district":"ห้วยขวาง","province":"กรุงเทพมหานคร","postalcode":"10310","tel":"02-3103000","region":"กรุงเทพมหานคร (Bangkok)","appointments":[],"id":"65d36c23969f8fef2a22d95a","ลำดับ":62,"name":"กรุงเทพ","address":"2 ช.ศูนย์วิจัย 7 ถ.เพชรบุรีตัดใหม่","district":"ห้วยขวาง","province":"กรุงเทพมหานคร","postalcode":"10310","tel":"02-3103000","region":"กรุงเทพมหานคร (Bangkok)","appointments":[],"id":"65d36c1ac6237732d29fb95a"},{"_id":"65d36c1ac6237732d29fb981","ลำดับ":62,"name":"กรุงเทพ","address":"2 ช.ศูนย์วิจัย 7 ถ.เพชรบุรีตัดใหม่","district":"ห้วยขวาง","province":"กรุงเทพมหานคร","postalcode":"10310","tel":"02-3103000","region":"กรุงเทพมหานคร (Bangkok)","appointments":[],"id":"65d36c1ac6237732d29fb981"},{"_id":"65d36c23969f8fef2a22da06","ลำดับ":3,"name":"กรุงเทพ ขอนแก่น","address":"888 ม.16 ถ.มะลิวัลย์ ต.ในเมือง","district":"เมือง","province":"ขอนแก่น","postalcode":"40001","tel":"043 -042721","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d36c23969f8fef2a22da06"},{"_id":"65d35cc3071e4ef0391cc7d7","ลำดับ":3,"name":"กรุงเทพ ขอนแก่น","address":"888 ม.16 ถ.มะลิวัลย์ ต.ในเมือง","district":"เมือง","province":"ขอนแก่น","postalcode":"40001","tel":"043 -042721","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d35cc3071e4ef0391cc7d7"},{"_id":"65d36c1ac6237732d29fba26","ลำดับ":3,"name":"กรุงเทพ ขอนแก่น","address":"888 ม.16 ถ.มะลิวัลย์ ต.ในเมือง","district":"เมือง","province":"ขอนแก่น","postalcode":"40001","tel":"043 -042721","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d36c1ac6237732d29fba26"},{"_id":"65d36c1ac6237732d29fba2e","ลำดับ":12,"name":"กรุงเทพ ปากช่อง","address":"5/1 ถนนมิตรภาพ ตำบลหนองสาหร่าย","district":"ปากช่อง","province":"นครราชสีมา","postalcode":"30130","tel":"044-316611-5,044-279898,044-279901","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d36c1ac6237732d29fba2e"},{"_id":"65d35cc3071e4ef0391cc7e0","ลำดับ":12,"name":"กรุงเทพ ปากช่อง","address":"5/1 ถนนมิตรภาพ ตำบลหนองสาหร่าย","district":"ปากช่อง","province":"นครราชสีมา","postalcode":"30130","tel":"044-316611-5,044-279898,044-279901","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d35cc3071e4ef0391cc7e0"},{"_id":"65d36c23969f8fef2a22d9ef","ลำดับ":12,"name":"กรุงเทพ ปากช่อง","address":"5/1 ถนนมิตรภาพ ตำบลหนองสาหร่าย","district":"ปากช่อง","province":"นครราชสีมา","postalcode":"30130","tel":"044-316611-5,044-279898,044-279901","region":"ภาคตะวันออกเฉียงเหนือ (NORTH - EAST)","appointments":[],"id":"65d36c23969f8fef2a22d9ef"},{"_id":"65d36c23969f8fef2a22d9ef","ลำดับ":11,"name":"กรุงเทพ พัทยา","address":"301 หมู่ 6 ถ.สุขุมวิท กม.143 ต.นาเกลือ","district":"บางละมุง","province":"ชลบุรี","postalcode":"20150","tel":"038-909088","region":"ภาคตะวันออก (EAST)","appointments":[],"id":"65d36c23969f8fef2a22d9ef"},{"_id":"65d36c1ac6237732d29fba17","ลำดับ":11,"name":"กรุงเทพ พัทยา","address":"301 หมู่ 6 ถ.สุขุมวิท กม.143 ต.นาเกลือ","district":"บางละมุง","province":"ชลบุรี","postalcode":"20150","tel":"038-909088","region":"ภาคตะวันออก (EAST)","appointments":[],"id":"65d36c1ac6237732d29fba17"},{"_id":"65d35cc3071e4ef0391cc7c5","ลำดับ":11,"name":"กรุงเทพ พัทยา","address":"301 หมู่ 6 ถ.สุขุมวิท กม.143 ต.นาเกลือ","district":"บางละมุง","province":"ชลบุรี","postalcode":"20150","tel":"038-909088","region":"ภาคตะวันออก (EAST)","appointments":[],"id":"65d35cc3071e4ef0391cc7c5"},

API Testing and Monitoring
1.Runner

VacQ - Run results

Ran today at 15:09:01 · View all runs

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	VacQ	1	1s 248ms	6	94 ms

All Tests   Passed (6)   Failed (0)   Skipped (0)   View Summary

Iteration 1

GET GET ALL
http://localhost:5000/api/v1/hospitals   200 OK 115 ms 10.628 KB
PASS Status code is 200
PASS There are some hospitals

POST CREATE
http://localhost:5000/api/v1/hospitals   201 Created 92 ms 1.246 KB
PASS Status code is 200

GET GET ONE
http://localhost:5000/api/v1/hospitals/65e4301d151292ec67316eb6   200 OK 37 ms 1.241 KB
PASS Status code is 200

PUT Update
http://localhost:5000/api/v1/hospitals/65e4301d151292ec67316eb6   200 OK 80 ms 1.227 KB
PASS Status code is 200

DELETE DELETE
http://localhost:5000/api/v1/hospitals/65e4301d151292ec67316eb6   200 OK 146 ms 1.016 KB
PASS Status code is 200

2.Monitor

Hospital API Monitor · HEALTHY · Run · Refresh

3:21 PM · 3:23 PM · 3:24 PM · 3:26 PM

Mar 3

0 failed tests, 0 errors, across 1 region · 03:26 PM, 03 Mar 2024

Region: US (East)

Test Results · Console Log

All Tests · Passed · Failed

GET · GET ALL · http://mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals · 200 OK · 771 ms · 9.6 kB
PASS · Status code is 200
PASS · There are some hospitals

POST · CREATE · http://mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals · 201 Created · 563 ms · 245 B
PASS · Status code is 200

GET · GET ONE · http://mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals/65e43436c1137fba1e6b27a2 · 200 OK · 259 ms · 245 B
PASS · Status code is 200

PUT · Update · http://mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals/65e43436c1137fba1e6b27a2 · 200 OK · 522 ms · 236 B
PASS · Status code is 200

DELETE · DELETE · http://mydomainprojectvacq.us-east-1.elasticbeanstalk.com/api/v1/hospitals/65e43436c1137fba1e6b27a2 · 200 OK · 1031 ms · 26 B
PASS · Status code is 200

3.Vs terminal Newman

```javascript
65  exports.getHospital=async (req,res,next)=>{
73      }catch(err){
74          res.status(400).json({success:false});
75      }
76  };
77
78  //@desc    Create new hospital
79  //@route   POST /api/v1/hospitals
80  //@access  Private
81  exports.createHospital=async (req,res,next)=>{
82      const hospital=await Hospital.create(req.body);
83      res.status(201).json({
84          success:true,
85          data:hospital
86      });
87  };
88
89  //@desc    Update hospital
90  //@route   PUT /api/v1/hospitals/:id
```

Terminal:

✓ Status code is 200

	executed	failed
iterations	1	0
requests	5	0
test-scripts	10	0
prerequest-scripts	5	0
assertions	6	0

total run duration: 5.6s

total data received: 10.39kB (approx)

average response time: 1092ms [min: 726ms, max: 1573ms, s.d.: 364ms]

4. Newman-report-htmlextra