HW_4_solution

I've configured ingress:

```yaml
1    apiVersion: networking.k8s.io/v1
2    kind: Ingress
3    metadata:
4      name: my-ingress
5      namespace: {{ .Values.namespace_name }}
6      annotations:
7        nginx.ingress.kubernetes.io/use-regex: "true"
8        nginx.ingress.kubernetes.io/rewrite-target: /$1
9    spec:
10     ingressClassName: nginx
11     rules:
12       - http:
13           paths:
14             - path: /api/resource-service/(.*)
15               pathType: Prefix
16               backend:
17                 service:
18                   name: resource-service
19                   port:
20                     number: 8080
```

so it routes `INGRESS_ADDRESS/api/resource-service/…` traffic to `resource-service/…` .

And installed ingress nginx controller:

```
[robertgazizov@MacBook-Air-Robert helm-chart % kubectl get pod -n ingress-nginx
NAME                                        READY   STATUS      RESTARTS   AGE
ingress-nginx-admission-create-mrcxl        0/1     Completed   0          2m39s
ingress-nginx-admission-patch-m7mzg         0/1     Completed   1          2m39s
ingress-nginx-controller-7799c6795f-628lc   1/1     Running     0          2m39s
[robertgazizov@MacBook-Air-Robert helm-chart % kubectl get ingress -n my
NAME         CLASS   HOSTS   ADDRESS        PORTS   AGE
my-ingress   nginx   *       192.168.49.2   80      119s
```

Then I opened minikube tunnel so I am able to access ingress through the localhost:

```
[robertgazizov@MacBook-Air-Robert helm-chart % sudo minikube tunnel
[Password:
✅  Tunnel successfully started

📌  NOTE: Please do not close this terminal as this process must stay alive for the tunnel to be accessible ...

❗  The service/ingress my-ingress requires privileged ports to be exposed: [80 443]
🔑  sudo permission will be asked for it.
🏃  Starting tunnel for service my-ingress.
```
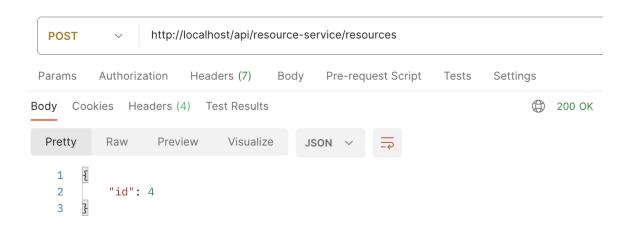
As a result, I am able to reach the resource-service with new URL structure:

GET	∨	http://localhost/api/resource-service/actuator/health

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (4)   Test Results   ⊕   200 OK

Pretty   Raw   Preview   Visualize   JSON ∨   ⇥

```
1  {
2      "status": "UP",
3      "groups": [
4          "liveness",
5          "readiness"
6      ]
7  }
```

and interact with API:

POST	∨	http://localhost/api/resource-service/resources

Params   Authorization   Headers (7)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (4)   Test Results   ⊕   200 OK

Pretty   Raw   Preview   Visualize   JSON ∨   ⇥

```
1  {
2      "id": 4
3  }
```