ЗАДАНИЕ № 4

1) Форкнуть репозиторий lession-four
2) Вывести (с помощью cat) измененные (через .gitlab-ci.yml) deployment.yaml, service.yaml
3) Создать собственный index.html и скопировать его в образ через Dockerfile с помощью COPY
*) Если есть желание, подключить любой kubernetes к ваше проекту gitlab.com, запустить и отрыть доступ до вашего сайта (я должен увидеть ваш index.html)

РЕШЕНИЕ:

1)
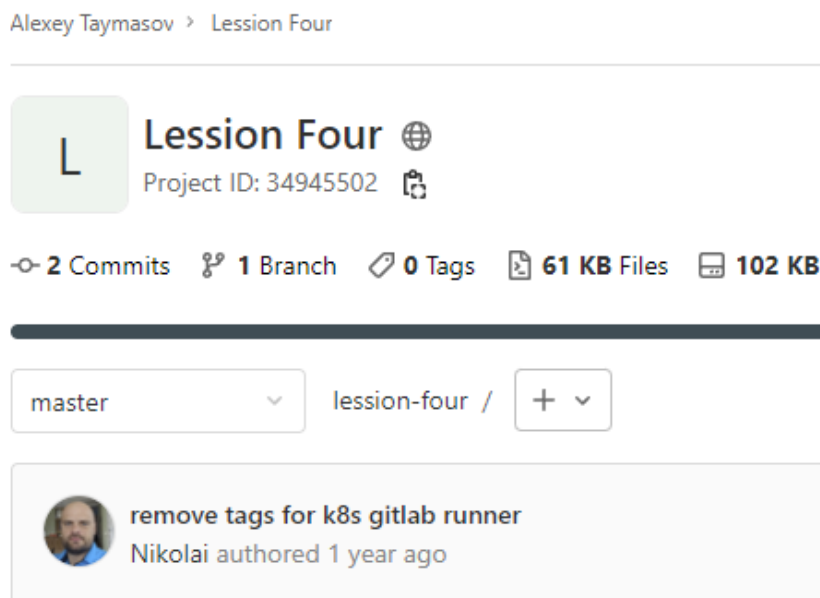
2)
Содержимое deployment.yaml:

```
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    "app.gitlab.com/app": CI_PROJECT_PATH_SLUG
    "app.gitlab.com/env": CI_ENVIRONMENT_SLUG
  labels:
    application: CI_ENVIRONMENT_SLUG
    release: CI_ENVIRONMENT_SLUG
  name: foo
spec:
  selector:
    matchLabels:
      application: CI_ENVIRONMENT_SLUG
      release: CI_ENVIRONMENT_SLUG
  template:
    metadata:
      annotations:
        "app.gitlab.com/app": CI_PROJECT_PATH_SLUG
        "app.gitlab.com/env": CI_ENVIRONMENT_SLUG
      labels:
        application: CI_ENVIRONMENT_SLUG
        release: CI_ENVIRONMENT_SLUG
    spec:
      containers:
      - name: foo
        image: IMAGE
        imagePullPolicy: Always
      imagePullSecrets:
        - name: gitlab-registry
```

Содержимое service.yaml:

```yaml
apiVersion: v1
kind: Service
metadata:
  annotations:
    "app.gitlab.com/app": CI_PROJECT_PATH_SLUG
    "app.gitlab.com/env": CI_ENVIRONMENT_SLUG
  labels:
    application: CI_ENVIRONMENT_SLUG
    release: CI_ENVIRONMENT_SLUG
  name: foo
spec:
  clusterIP: None
  ports:
  - name: http
    port: 80
    protocol: TCP
    targetPort: 80
  selector:
    application: CI_ENVIRONMENT_SLUG
    release: CI_ENVIRONMENT_SLUG
  sessionAffinity: None
  type: ClusterIP
```

```
157  $ cat deployment.yaml
158  apiVersion: apps/v1
159  kind: Deployment
160  metadata:
161    annotations:
162      "app.gitlab.com/app": alexeytay-lession-four
163      "app.gitlab.com/env": production
164    labels:
165      application: production
166      release: production
167    name: foo
168  spec:
169    selector:
170      matchLabels:
171        application: production
172        release: production
173    template:
174      metadata:
175        annotations:
176          "app.gitlab.com/app": alexeytay-lession-four
177          "app.gitlab.com/env": production
178        labels:
179          application: production
180          release: production
181      spec:
182        containers:
183        - name: foo
184          image: registry.gitlab.com/alexeytay/lession-four:master-62fe26fa
185          imagePullPolicy: Always
186        imagePullSecrets:
187          - name: gitlab-registry
```

```
188  $ cat service.yaml
189  apiVersion: v1
190  kind: Service
191  metadata:
192    annotations:
193      "app.gitlab.com/app": alexeytay-lession-four
194      "app.gitlab.com/env": production
195    labels:
196      application: production
197      release: production
198    name: foo
199  spec:
200    clusterIP: None
201    ports:
202    - name: http
203      port: 80
204      protocol: TCP
205      targetPort: 80
206    selector:
207      application: production
208      release: production
209    sessionAffinity: None
210    type: ClusterIP
```

3)

Очень похоже на задание из второго ДЗ:

```
1   stages:
2     - build
3     - test
4
5   build-job:
6     stage: build
7     image: docker
8     services:
9       - docker:dind
10    script:
11      - echo $CI_REGISTRY_PASSWORD | docker login -u $CI_REGISTRY_USER $CI_REGISTRY --password-stdin
12      - docker build -t $CI_REGISTRY_IMAGE .
13      - docker push $CI_REGISTRY_IMAGE
14
15  test-job:
16    stage: test
17    image: $CI_REGISTRY_IMAGE
18    script:
19      - ls /usr/share/nginx/html
```

Name
.gitlab-ci.yml
Dockerfile
index.html
style.css

Dockerfile 114 bytes

```
1   FROM nginx:latest
2   COPY index.html /usr/share/nginx/html/index.html
3   COPY style.css /usr/share/nginx/html/style.css
```

```
21  Using docker image sha256:478f84cf34ec4a583c0dcd9092c4e3855c5cdbe411269dd711b51e8b12239bcf for registry.gitlab.com/alexeytay/test with digest registry.gitlab.com/alexeytay/test@
    sha256:a3009f734bda6aa50abb2124ce2070f52801dc3350895a058c70af61f434cce2 ...
22  $ ls /usr/share/nginx/html
23  50x.html
24  index.html
25  style.css
```