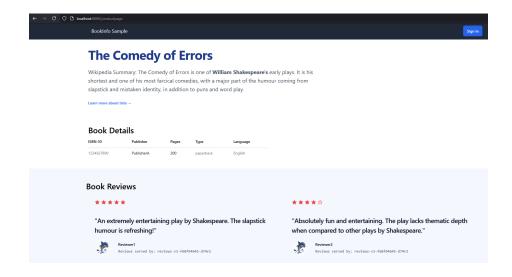
Lab 5 Michael Cullen March 2025

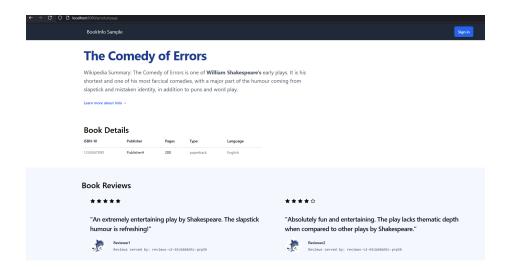
1 Traffic Shifting

```
mj@LAPTOP-PSEGHGDN: //istio-1 .25.0$ kubectl apply -f virtual-service-reviews-v1-v3.yaml
virtualservice.networking.istio.io/reviews configured
mj@LAPTOP-PSEGHGDN: //istio-1 .25.0$ kubectl describe virtualservice reviews

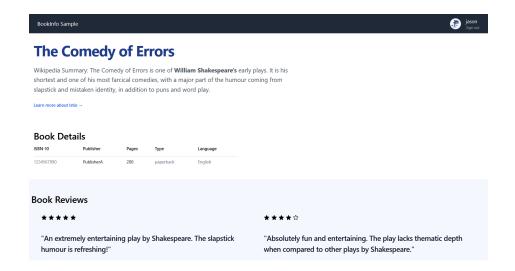
Name: reviews
Namespace: default
Labels: <none>
Annotations: <none>
Annotations: <none>
Annotations: VirtualService
Metadata:
Creation Timestamp: 2025-03-26T14:19:13Z
Generation: 2
Resource Version: 5849
UID: efdd8c8e-e15f-438a-affe-b88b1bb70ee9

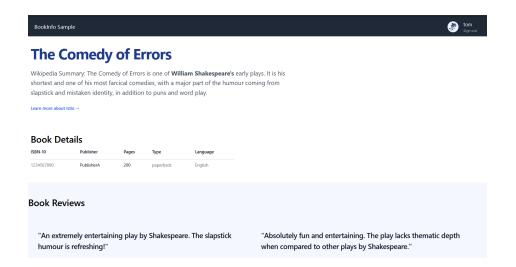
Spec:
Hosts:
reviews
Http:
Route:
Destination:
Host: reviews
Subset: v1
Weight: 50
Destination:
Host: reviews
Subset: v3
Weight: 50
Events: <none>
my@LAPTOP-PSEGHGDN: //istio-1.25.0$
```



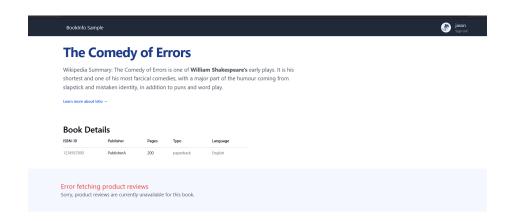


2 Request Routing





3 Fault Injection



4 Circuit Breaking

```
tarquet 99% 0.0131771

Extract 99% 0.0156311

Error cases: count 19 avg 0.0023305997 +/- 0.001163 min 0.000828712 max 0.004765466 sum 0.044281394

France, mid point, percentile, count

> 0.000828712 <- 0.001. 0.00013456, 5.26, 1

> 0.001 <- 0.001. 0.001. 0.001. 0.001. 0.001.

> 0.0003 <- 0.001. 0.001. 0.001. 0.001. 0.001.

> 0.003 <- 0.001. 0.001. 0.001. 0.001. 0.001.

> 0.003 <- 0.001. 0.001. 0.001. 0.001. 0.001.

> 0.003 <- 0.001. 0.001. 0.001. 0.001. 0.001.

Extract 99% 0.0017507, 0.001. 0.001.

Extract 99% 0.0017509

E
```