### Monitor Rust with Prometheus + Grafana

**Application Monitoring** 



#### Create a file named main.rs

First, create a Rust application using the Rocket framework with a file named main.rs



```
finacro usel extern crate moket;
#IderaveCorruntion11
#11 aunen 1
   Let registry - Magtatric meet );
   lat matrices average Outer complete in 1);
    .manage((mutrics, registry))
       port: 8070.
In index() -> Wanston bur 1
#[getf"/motrice"]]
For metrics emposintContrics: Brocket::StatesCaccebHessAngHetricass, Regulars (>)
   let encoder + Torrescoperation(3)
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   HawHitel (Strong : from utf#Cheffer), www.mit))
```

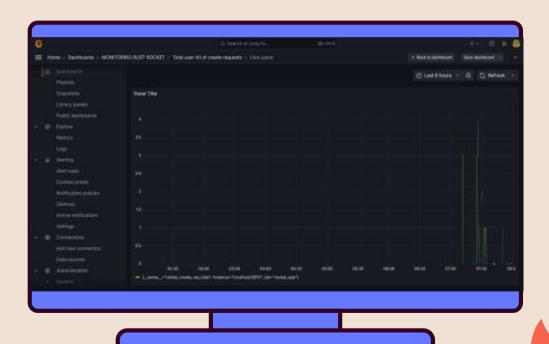


# Create a file named metrics.rs



```
use prometheus::{Counter, Registry};
pub struct AppMetrics {
    pub create counter: Counter,
    pub read counter: Counter,
    pub update counter: Counter,
    pub delete counter: Counter,
impl AppMatrics (
    pub fn new(registry: 5Registry) -> Self {
        let create_counter - Counter::new("rocket_create_req_total", "Total user
hit of create requests').umerap();
        let read_counter = Counter::new("rocket_read_req_total", "Total user hit
of crreadeate requests').unwrap();
        let update_counter - Counter::new("rocket_update_reg_total", "Total user
hit of update requests').unwrap();
        let delete_counter - Counter::new("rocket_delete_reg_total", "Total user
hit of delete requests').unwrap();
        registry_register(Box::new(create counter.clone())).unwrap();
        registry.register(Box::new(read_counter.clone())).unwrap();
        registry.register(Box::new(update_counter.clone())).unwrap();
        registry.register(Box::new(delete_counter.clone())).unwrap();
        Self (
            read_counter,
```

### **GRAFANA MOCKUP**





## SEE YOU



