

**Go + Kubebuilder**

**Custom Controller - ClusterScan**

### **Custom Resource Definition (CRD)**

**Spec:**

- Schedule
- Job Template

**Status:**

- Last scan time
- Last scan result



### **Custom Resource (CR)**

**kind:** ClusterScan

**Makefile**

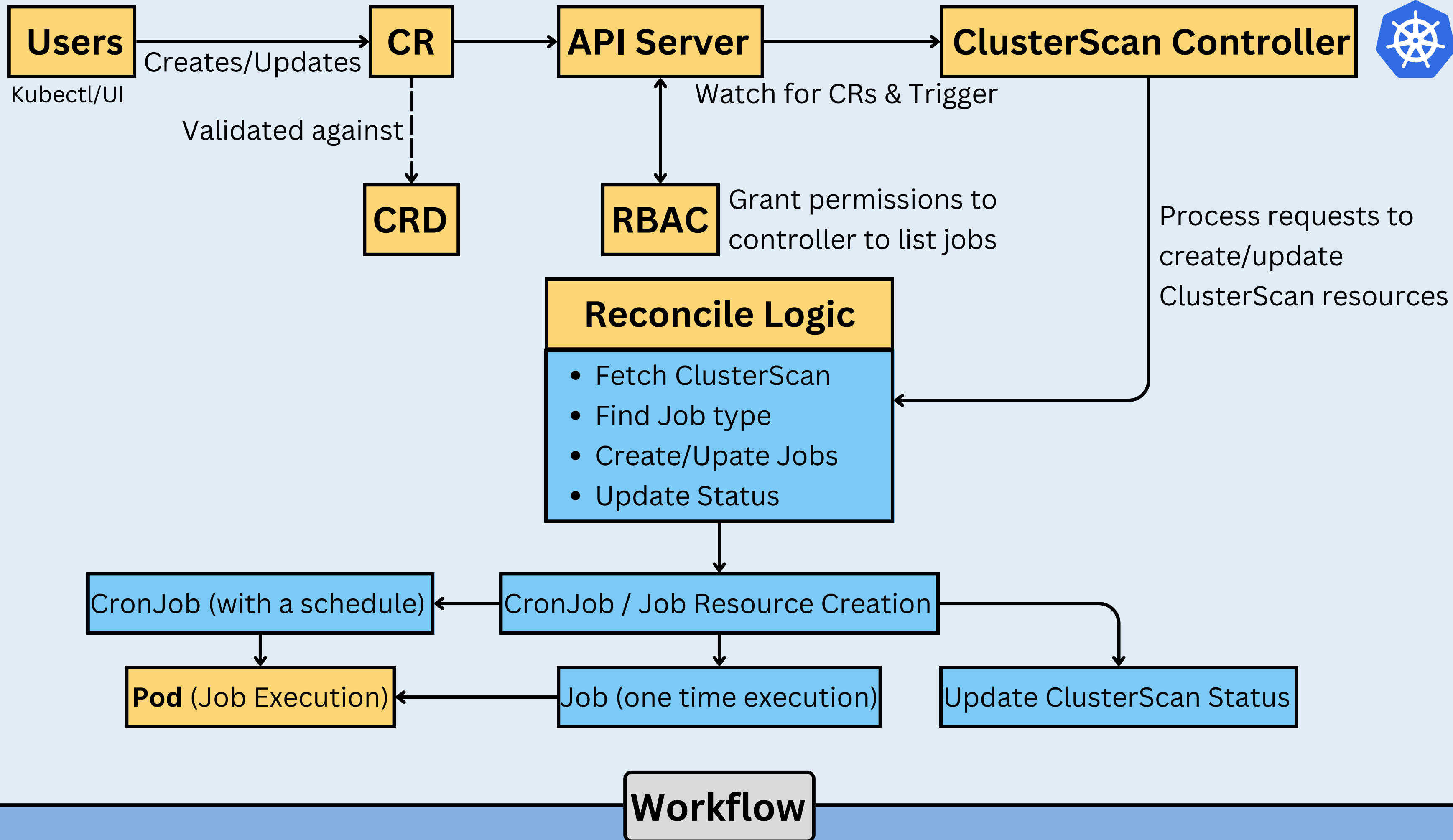
Automates

- Build
- Test —————→ Custom Controller
- Deploy

**make**

**make install**

**make deploy**



## Meeting Take-Home Assignment's requirements

- Custom Controller - ClusterScan ✓
- Spec and Status ✓
- Jobs (One-time execution) ✓
- Cron Jobs (Scheduled/Recurring Execution) ✓

Excited to contribute to SpectroCloud!!

