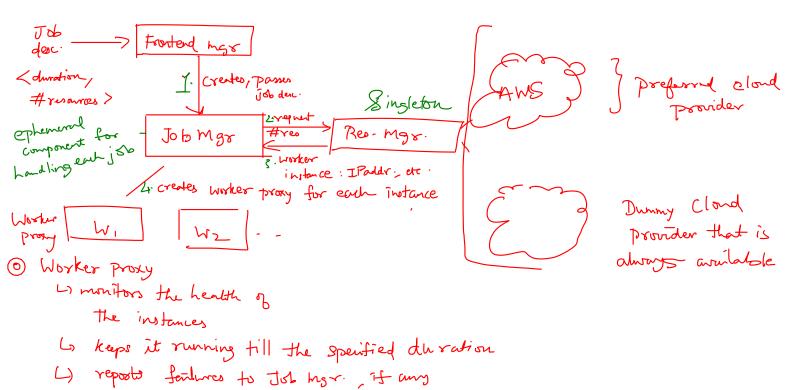
## Assignment 6 - Resource mangement patterns



- Otob Mgr.'s responsibility is to ensure the desired number of resources are available for the required duration. In case of any tentury, it requests for a new resource from the Res. Mgr.
- Dob ngs-specifies the number of instances & the cloud provider to the Res-Mgs.
- (3) Rest host- is a singleton, responsible for creation and shutting down instances from the cloud providers. Of implements the factory method pattern to create instances either from And or any other cloud provider. Restings implements a circuit breaker to ensure that If the count to the cloud provider is unavailable, it will retry after some duration of in case of 3 failed attempts it will throw a failed message.
- (4) Design a system with the requirements as above by using appropriate design patterns. Emplate different failure scenarios to test whether the system is working woreth. Prepare a Short report explaning the design.