**Assignment 2- QuantInsti**

* There are multiple resources (S0, S1, S2, S3, S4 and S5) that manages Services.
* Each resource has Two states states (Initial State & Final State) and Three different end points (/start, /run & /stop) for services.
* When first endpoints “/start” triggers, it accept the user id as parameter, create the resource for the same user id with State S0.
* Once done with State S0 creation, then it will change the states for that resource to S1 if that resource for the user has created else move to State S5 in case of user creation fail.
* When the Second Endpoint “/run” triggers, it accept the two parameter in state s1 and validate the resource. Once done with Validation, move the state s2 and S3 and S5 in case of Fail.
* When the Third Endpoint “/stop” triggers, it also accept the two parameter in state s3 and validate the resource. Once done with Validation, move the state s4 and the S5 else directly to S5 in case of Fail.