**Test Plan**

1. **Test Scenarios:**
   1. **Test Scenario 1**
      1. Create a resource for that user with endpoint '/start' with ‘user ID’ as a parameter
         1. Verify if the state is at S0 initial state
         2. If successfully created the resource it should trigger state change from S0 -> S1
         3. If failed in creating the resource it should trigger state change from S0 -> S5
   2. **Test Scenario 2**
      1. Validate if the resource for that user with endpoint '/run with ‘user ID’ as a parameter is in State S1
         1. Verify if the state is at S1
         2. If successful, the resource should trigger state change from S1 -> S2 -> S3
         3. If failed, the resource should trigger state change from S1 -> S5
   3. **Test Scenario 3**
      1. Validate if the resource for that user with endpoint '/stop with ‘user ID’ as a parameter is in State S3
         1. Verify if the state is at S3
         2. If successful, the resource should trigger state change from S3 -> S4 -> S5
         3. If failed, the resource should trigger state change from S3 -> S5