Events	Software Components	Hardware Platforms	
		Sensors	***Memory***
Stationary Robot – Gripper Closed	Force Slip Detector	Force sensor	-
Stationary Robot – Gripper Open	Tactile Slip Detector	Tactile sensors	-
Moving Robot	Combined Slip Detector	Both	>250 MB

Variables	Domain/Data Type
Stationary	Boolean
Gripper Status	Boolean
Software Component	Enum {Force Slip Detector, Tactile Slip Detector, Fused}
Hardware Platform	Enum {A, B, C} – indicating the platform identity
Attributes	
Force Sensor (presence)	Boolean
Tactile Sensors(count)	Positive Int
Memory Capacity	Positive Int

Valid configurations based on requirements:

R1 : The force slip detector should be deployed on a platform to which the force sensor is connected.

- Stationary = True, Gripper Status = True (closed), Slip Detector = Force, Platform with: Force Sensor = True, **Tactile Sensors >= 0 (any), x < Memory Capacity < y.**

R2 : The tactile slip detector should be deployed on a platform to which all tactile sensors are connected.

- Stationary = True, Gripper Status = False (open), Slip Detector = Tactile, Platform with: Force Sensor = False, **Tactile Sensors >=z , a < Memory Capacity < b.**

R3: The combined slip detector should be deployed on a platform with at least 250MB working memory.

- Stationary = False, Gripper Status = True (closed), Slip Detector = Fused, Platform with: **Force Sensor = False, Tactile Sensor >=0,** Memory Capacity >=250 MB.

Note:
1. Bold faced variables are helpful to rank suitable platforms.
2. Constants a,b,x,y,z need to be picked based on the slip detection algorithm