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SUBTASK -2

- To store Transition state diagram and as well  
As coordinates of circle in XML file.

```
<?xml version="1.0" encoding="UTF-8"?>
<Transitiondiagrams>
    <Transitions>
        <Statemachines>
            <attributenames>
                name
            </attributenames>
            <defaultvalue>
                def_name
            </defaultvalue>
            <attributenames>
                clock
            </attributenames>
            <defaultvalue>
                clk
            </defaultvalue>
            <type>
                posedge
            </type>
        </Statemachines>
        <inputs>
            <attributenames>
                input1
            </attributenames>
            <attributenames>
                input2
            </attributenames>
            <attributenames>
                clk
            </attributenames>
        </inputs>
        <outputs>
            <attributenames>
                output1
            </attributenames>
            <type>
                statebit
            </type>
            <attributesname>
                output2
            </attributesname>
            <type>
                statebit
            </type>
            <attributesname>
                output2
            </attributesname>
            <type>
                statebit
            </type>
        </outputs>
    </Transitions>
</Transitiondiagrams>
```

```
<statebit>
    </type>
</outputs>
<states>
    <attributename>
        name
    </attributename>
    <defaultValue>
        def_name
    </defaultValue>
    <type>
        def_name
    </type>
    <attributename>
        output1
    </attributename>
    <defaultValue>
        0
    </defaultValue>
    <type>
        output
    </type>
    <attributename>
        output2
    </attributename>
    <defaultValue>
        0
    </defaultValue>
    <type>
        output
    </type>
</states>
<transition>
    <attributename>
        name
    </attributename>
    <defaultValue>
        def_name
    </defaultValue>
    <type>
        def_type
    </type>
```

```
    def_name
    </defaultValue>
    <type>
        def_type
    </type>
    <attributeName>
        equation
    </attributeName>
    <defaultValue>
        1
    </defaultValue>
    <type>
        def_type
    </type>
</transition>
</Transitions>
<item>
    <shape shape="circle">
        <solid color="transparent">
        </solid>
        <stroke width="2dp" color="#000000">
        </stroke>
        <size width="120dp" height="120dp"></size>
    </shape>
    <coordinates var="x,y">
        <position x="event.X" y="event.Y"></position>
    </coordinates>
</item>
</Transitiondiagrams>
```

- Transitiondiagrams ..

- Transitions ..

- Statemachines ..

- attributenames name

- defaultvalue def\_name

- attributenames clock

- defaultvalue clk

- type posedge

- inputs ..

- attributenames input1

- attributenames input2

- attributenames clk

- outputs

..

attributenames

output1

type

statebit

attributesname

output2

type

statebit

- states

..

attributename

name

defaultvalue

def\_name

type

def\_name

attributename

output1

defaultvalue

0

type

output

attributename

output2

defaultvalue

0

type

output

- transition

..

attributename

name

defaultvalue

def\_name

type

def\_type

attributename

equation

defaultvalue

1

type

def\_type

item

..

- shape

..

@shape: circle

- solid

@color: transparent

- stroke

@width: 2dp

@color: #000000

- size

@width: 120dp

@height: 120dp

- coordinates

..

@var: x,y

- position

@x: event.X

@y: event.Y