**Human Computer Interaction Final Project: Sketchpad**

**Name of the Student:** Rohitashwa Ray Chowdhury

**Name of the University**: Western University

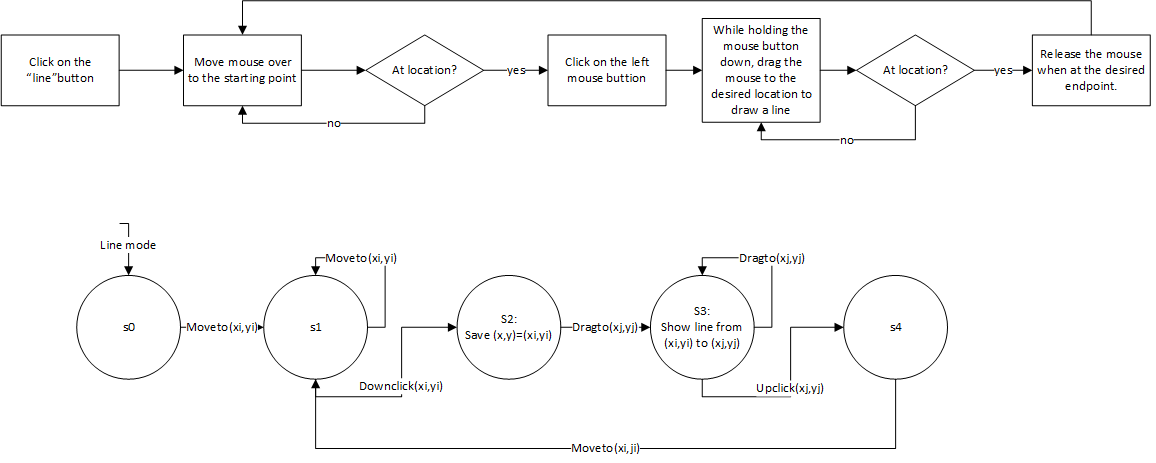
**Name of the course**: Human Computer Interaction

**Course code**: ECE 9020L

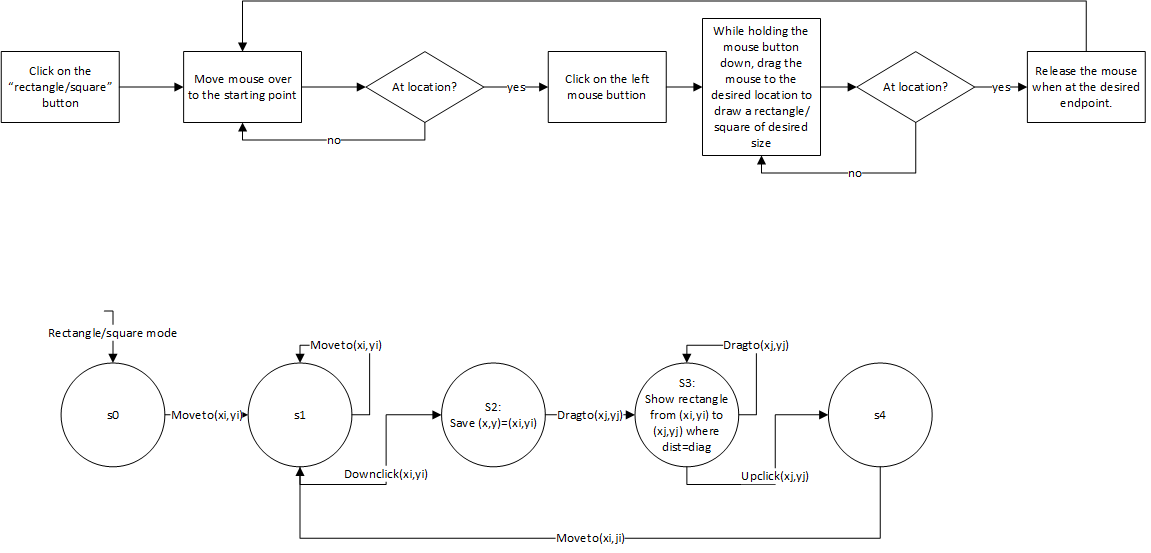
**Name of the Instructor**: Prof. Roy Eagleson

The state diagrams/state charts for the given functions of the system are as follows:

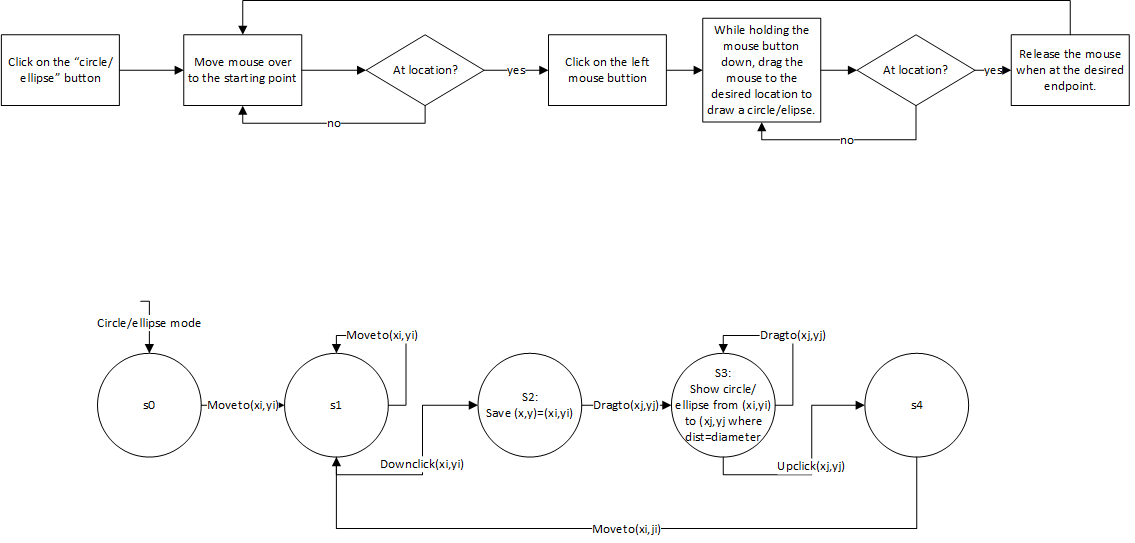
1. **Draw a line:**



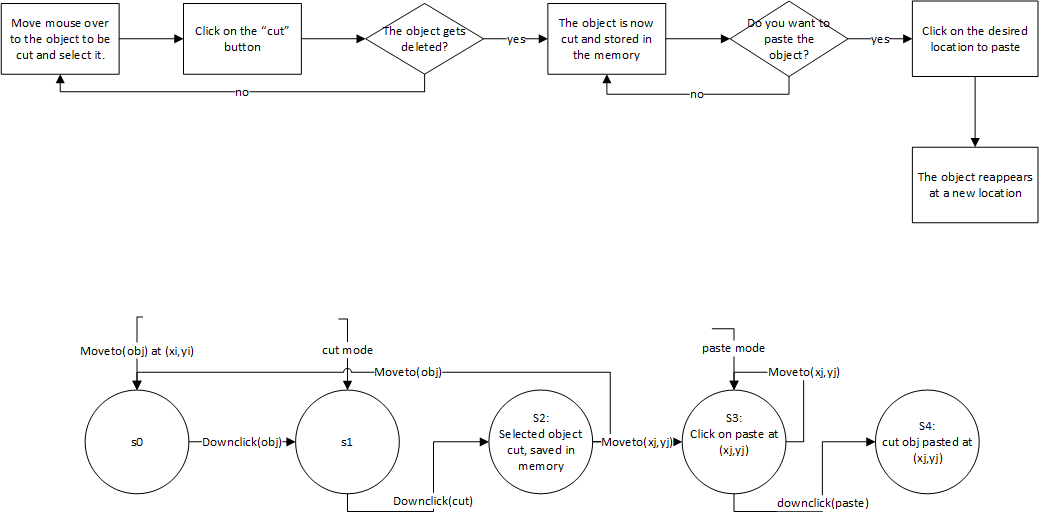
1. **Draw a rectangle/square:**

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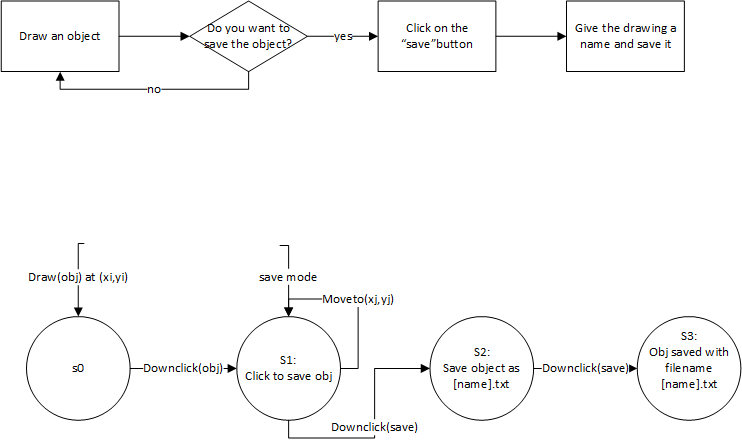
1. **Draw a circle/ellipse:**



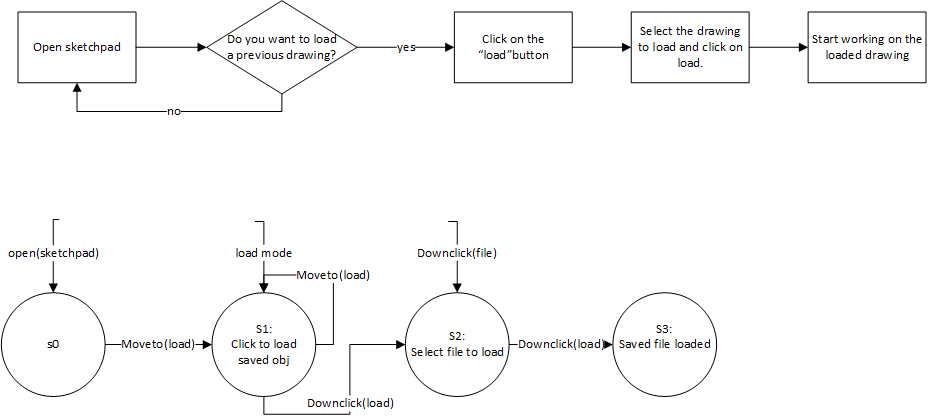
1. **Perform cut and paste operations:**



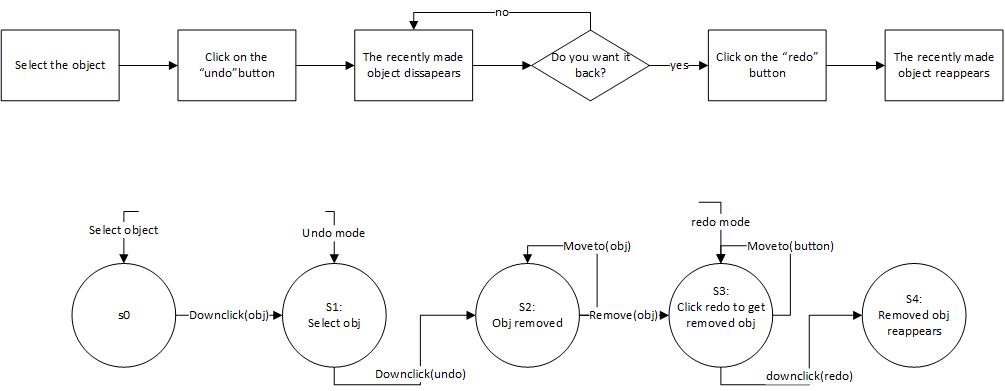
1. **Perform save operation:**



1. **Perform load operation:**

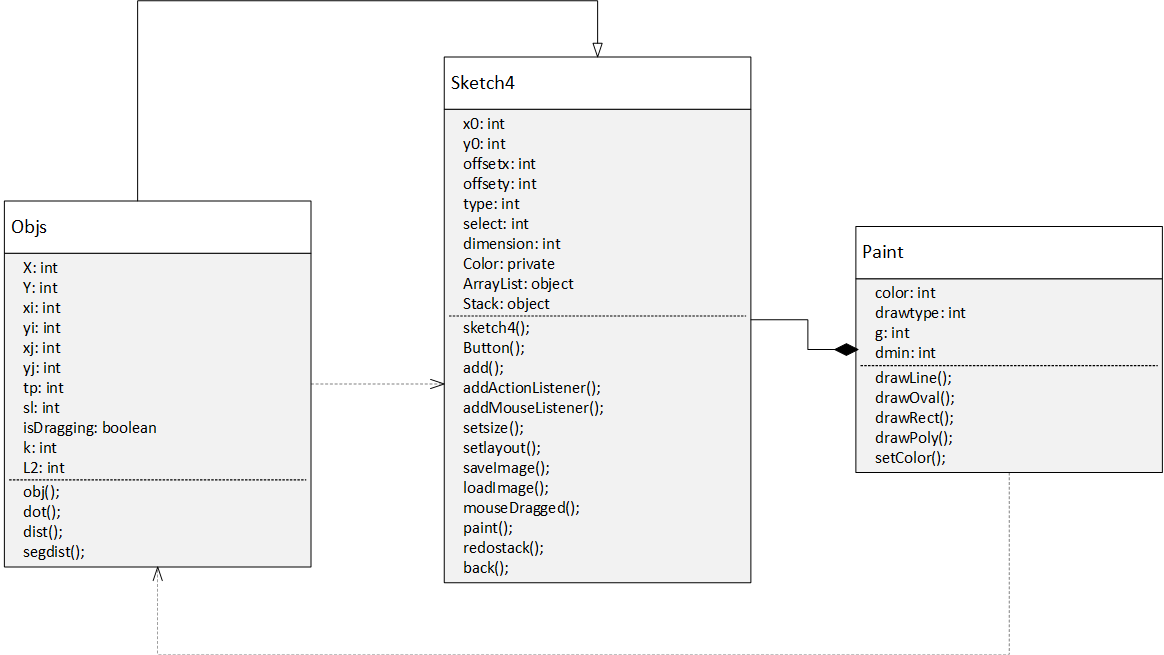


1. **Perform undo and redo operations:**



The class diagram and the use case diagram for the system is given below:

1. **Class diagram:**



1. **Use case diagram:**

