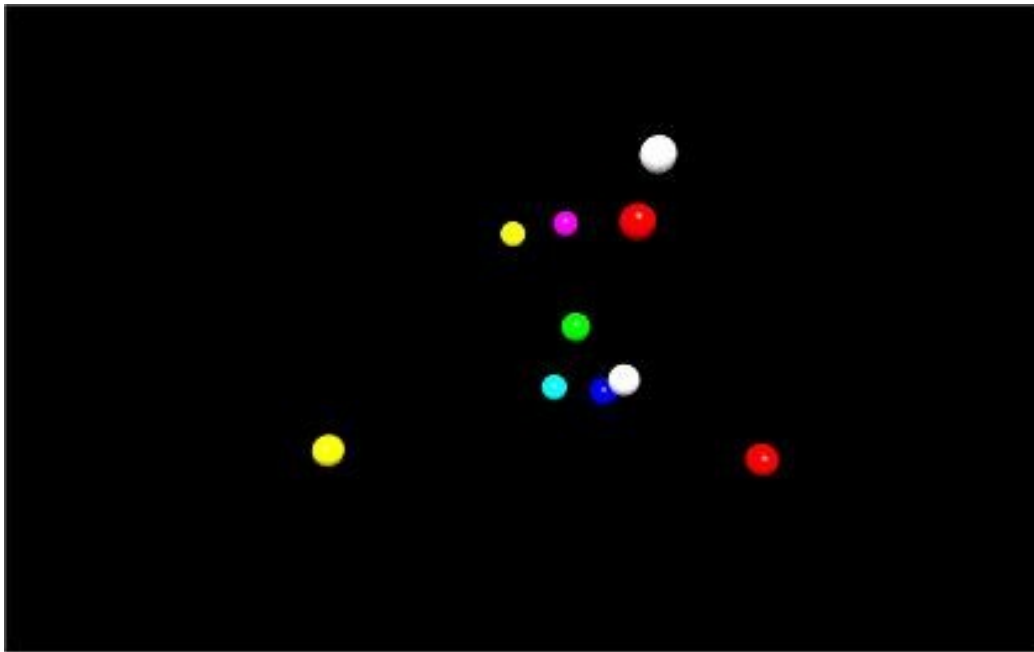

Final Report

COL 290

Assignment1-Screen Saver Application



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This document give details about design features we have implemented to get final project .

1 Keyboard Controls:

Escape button - on pressing escape button the window is closed.

2 Multi Threading

2.1 One to one communication model

We have implemented one to one communication between the threads and balls . Each threads were given access to data of each balls by means of message queue of other threads . Therefore a threads can not change the data of other balls that it does not control .

2.2 Mutex

Mutex is used for safe , race free insertions and deletion.

3 Features:

- 1.The balls moves in 2-D space.
- 2.Each balls is generated at random position with random colour.
- 3.Collision between the balls is made perfectly elastic.