**Phase 1:**

*Goals:*

* Object detection (bowls) on a frame-by-frame basis
* Find the center of bowls
* Pick out a segment of video frames from the top-down view for primary consideration

*Methods:*

* Test out HoughCircles() and fitEllipse() functions from OpenCV
* Canny to find edges
* Investigate matchShapes() function

**Phase 2:**

*Goals:*

* Object recognition between frames
* Outlining the bowls’ rim edges

*Methods:*

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**Phase 3:**

*Goals:*

* Object path tracing with an overlay
* Adding new objects as they are introduced in frame progression
* Removal of objects from tracking as they move beyond the edge of the frame

*Methods:*

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*Stretch Goals:*

* After bowl tracking is in place, implement visual cues to replicate auditory data from the video when bowls are colliding. Possibly represent each bowl’s track with a unique color and display a flash/explosion of the color resulting from the two paths colliding.