Basic Goals

- ★ Hexapod can do basic movement (Becca)
- ★ Distance Sensors prevent hexapod from crashing into things (Becca)
- ★ User Controlled movement (Kelly)
    - With push buttons on lab kit
- ★ User/labkit can communicate with hexapod via Xbee (Becca)
    - Can display transmitted numbers on LED display
- ★ Monitor displays color video from the camera (Kelly)
- ★ Hexapod is tracked on monitor (Kelly)
    - With a marker on the screen

Secondary Goals

- ★ Select points on the screen (Kelly)
    - User can click a point on the screen and the hexapod will move to that point
- ★ Camera recognizes obstacles (Kelly)
- ★ Movement affected by relative input from distance sensors (Becca)
    - Robot will veer away from objects
- ★ Mapping
    - Create a route between a start and end location (Becca)

Stretch Goals

- ★ Multiple objects tracked on screen (Kelly)
    - Also with markers on screen
- ★ Hexapod follows second object (Both)
- ★ Mapping adds feedback for object position (Becca)