

Technical Details

The project seems a little complex, but definitely within reach. I have Identified a few technical hurdles and am confident I can overcome them within the time allotted. The First hurdle will be finding the right sensor that can be integrated with the crank and Max. Next, is generating a *Phys.World* that can generate the beautiful fireflies I envision. The Third challenge will being able to integrate a static photo and the *Phys.World* in a way that satisfactorily fulfills the aesthetic needs of this project.

I have worked with the jit.phys components, specifically the Lava tutorial, of the Delicious Max Tutorials that I have manipulated in ways that will help the production of this project. I plan to use the *Phys.world* to generate the fireflies within the scene and a few more options, like logic statements, jit.videoplane, and jit.alphablend to complete the overall aesthetic I am looking to achieve.

I have outlined 2 scenarios for this project. Scenario 1, which only uses Max to complete the sensor integration and visuals, and Scenario 2 which will require the addition of an Arduino as a communication bridge between the chosen sensor and Max to get the data I need to drive the art piece.