

## Week 8 Meeting Notes

Thoughts for wooden prototype:

- Spring return (locations)
- Hard stops to avoid limb collision
- It's very heavy but still displays the motion we want
- Better muscle placement?

Detailed design review:

- Final design proposal
- Week 10
- Update the website
- Update risk assessment; assign risks an owner

Possible use springs to aid in jumping?

- Prototype with one joint first
- Idea still meets customer needs

Landing

- Torsional springs for front legs
- Hind legs lands first, then rocks to the front legs

Muscle orifice size concerns

- Small orifice in the solenoids
- 13001 has video of different orifice sizes
- Regulator for tank has a small orifice
- Monster hand has orifice size info

Work distribution

- Sean/Jeff: Matlab simulation
- Phil: circuit diagram, Arduino code, solenoids/regulator research
- Andrew: Test multiple muscles, test larger orifice muscles, test muscle return
- Trevor: body design (vertical/horizontal body parts), sensitivity modeling