Risk and Mitigation Document

## Resource Risks

* Poor Time Management
  + Severity: Very High
  + Probability: Unknown
    - Mitigation: Institute rigorous standards and hold members accountable to such standards.
* Equipment Failures
  + Severity: High
  + Probability: High
    - Equipment and materials are likely to fail. If this happens more must be acquired. To mitigate this, careful prototyping and thoughtful designs should be prioritized. To avoid large scale catastrophes; compartmentalize the design process.
* Embezzlement of team resources
  + Severity: Very High
  + Probability: Very Low
    - Mitigation:
* Civil unrest in Qatar leads to regime change and team member becomes Emir of Qatar
  + Severity: Very High
  + Probability: Infinitesimal
    - Mitigation: no plan is currently in place to handle this scenario.
* Uneven distribution of group work
  + Severity: Moderate
  + Probability: Moderate
    - Mitigation: Scrum Board, frequent team meetings.
* Purchasing incorrect materials
  + Severity: High
  + Probability: Low
    - Mitigation: Team Communication.
* Unavailability of materials
  + Severity: High
  + Probability: Low
    - Mitigation: flexibility and creative design. Plan design around available materials