

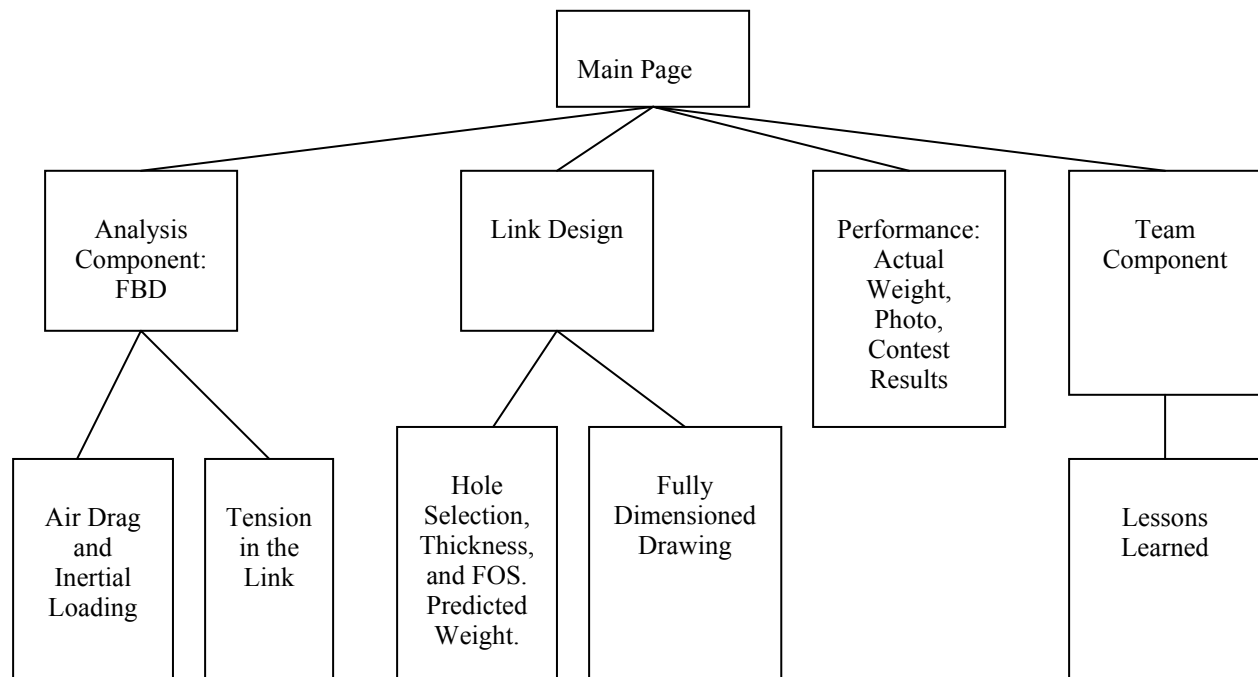
Doll Decapitation

The final project is worth 100 points distributed in the following manner

25 pts	Competition Results (Grading described in first project handout)
75 pts	On-Line Project Report consisting of
5 pts	Main page with Project Objective and Links to other Components
30 pts	Analysis Component: FBD and Load Calculations
20 pts	Link Design Component
10 pts	Performance Component
10 pts	Team Component

Project Report (75 pts)

The project report will be presented via a website with a structure similar to:



Main Page (0-5 pts)

Introduces the Team and states the project objectives. Links to the various project components.

Analysis Component (0-30 pts)

Clear and correct Free Body Diagram. Clear statement of any assumptions used in the analysis. Subcomponents describe the air drag/inertial loading calculation and the tension calculation. Calculations are free of substantial errors given the stated assumptions.

Link Design Component (0-20 pts)

Describes how the attachment holes were selected, what factor of safety was chosen, how the material thickness was chosen, and the predicted weight of the link.. A subcomponent page includes a fully dimensioned drawing of the part, including tolerances and material specifications.

Performance Component (0-10 pts)

Indicates the actual weight of the link, a photo of the actual link, and the contest results.

Team Component (0-10 pts)

Introduces each member of the team, and indicates what each team member learned about project management/working in a team. Indicates what each team member would do differently if they did the project over.