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9/10

Proposal Summary:

The concept creation phase of our project consisted of looking at many different ideas which consisted of an automatic drum tightening system, a manual transmission vehicle with enable shifting at the steering wheel, a steady cam rig, and toys for animals. All the ideas were complex enough and interesting for each of the team members. The subjects were very broad in scope, with many different directions and possibilities open to our team. We then concentrated on creating a flying toy for a pet. We looked at different concepts for many types of animals, and found that the design was very limited. Because of this set back we decided to change the parameters of the design to that of a flying toy for a child.

With this interesting and challenging design project, we need to do a lot of research on existing toys on the market. The main task would be to look at the remote control planes, helicopters, and other flying designs that would be interesting and easy to operate for a child. The most important thing to consider in our final design is the safety of the toy to the child. Because of the fact that the toy is flying poses a lot of risks and dangers. The safety is important but not the only characteristic to consider it must also be aesthetically pleasing and fun to use.

The goal of our project design is to create a flying vehicle that is safe and fun to use for a child to operate. This toy must also be versatile to allow it to be enjoyable for all ages and animals. The design will be able to take severe abuse and punishment and also be easy to repair. In some cases, some consumers may choose to use this toy for an animal, therefore the product must be able to withstand the impact forces and wear and tear that it may have upon landing. The flying platform will have a very limited number of specific parts and will keep manufacturing costs and inventory numbers low.

Jan Hellstrom

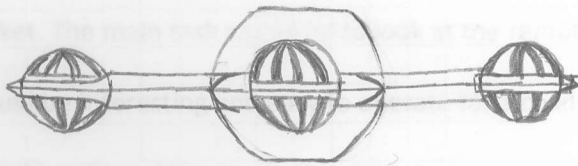
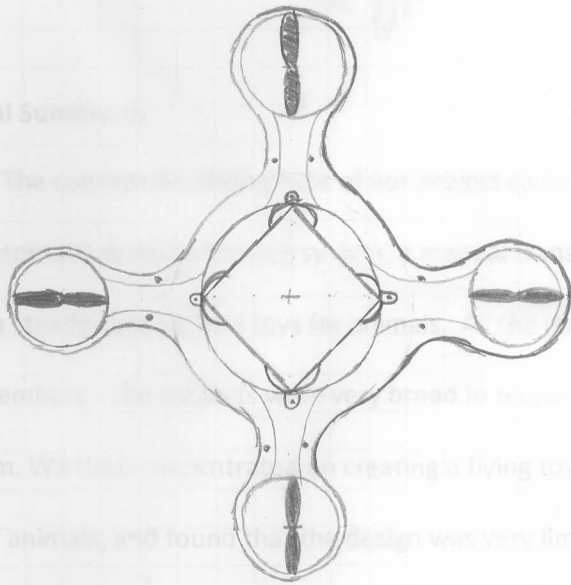
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Toy helicopter