

Cat Tree Attachments



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Problem Statement

Current cat trees have limited activities.

Statement of Purpose

Design, build and test an attachment for a cat tree.

Problem Background

- Cats suffer from boredom when their owners aren't around.
- Cats suffer from feline obesity due to them not getting enough interactive exercise.
- According to a recent survey, 83.7% of people said they would like buy a product that increases the number of activities of cat trees.

Current Solutions

Product Name: Armarkat Hammock

Critique: Not interactive and doesn't provide exercise.

URL: <https://goo.gl/vHej6z>



Product Name: Armarkat Basket

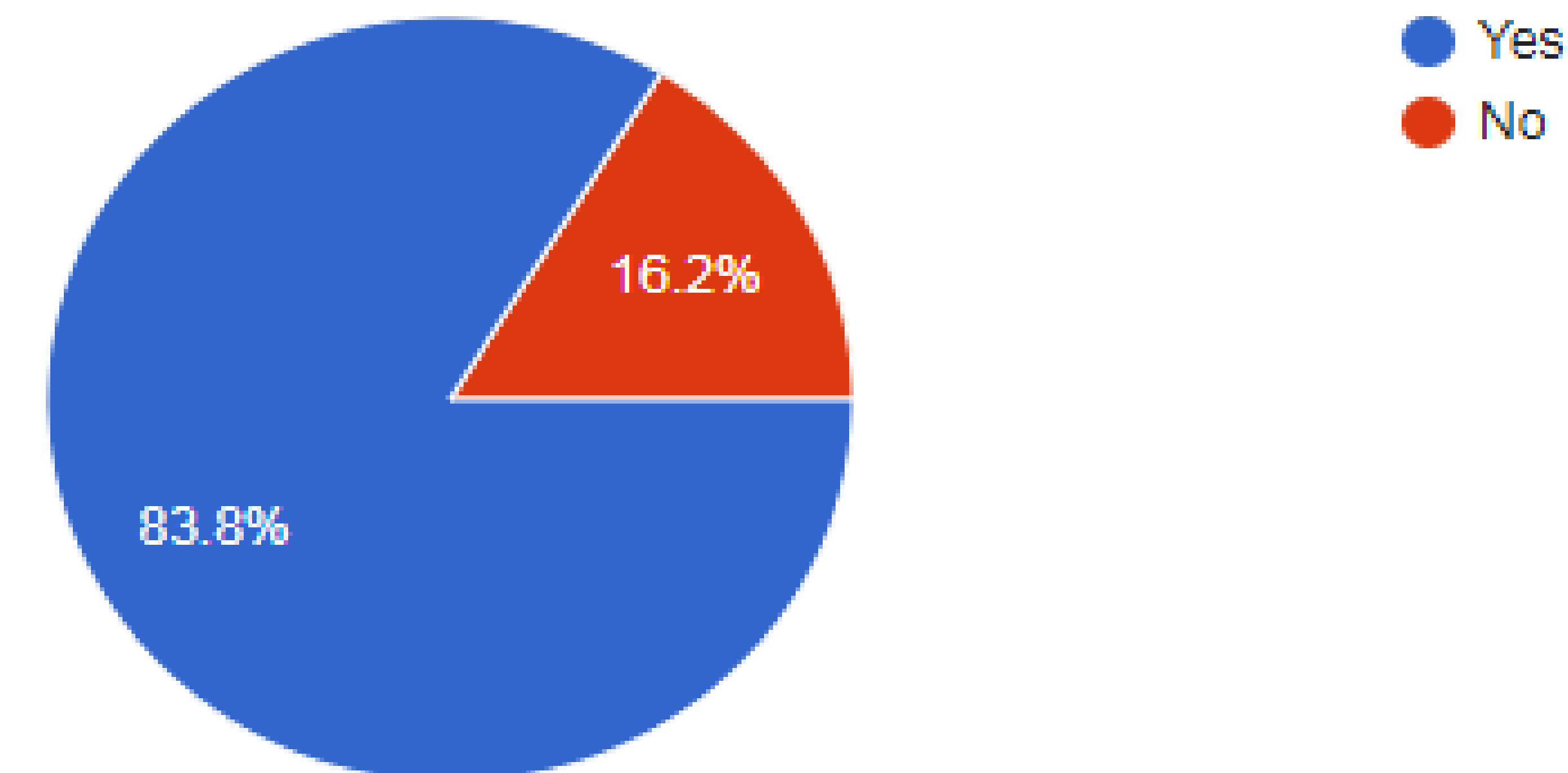
Critique: Not interactive and doesn't provide exercise.

URL: <https://goo.gl/FKE2Fr>

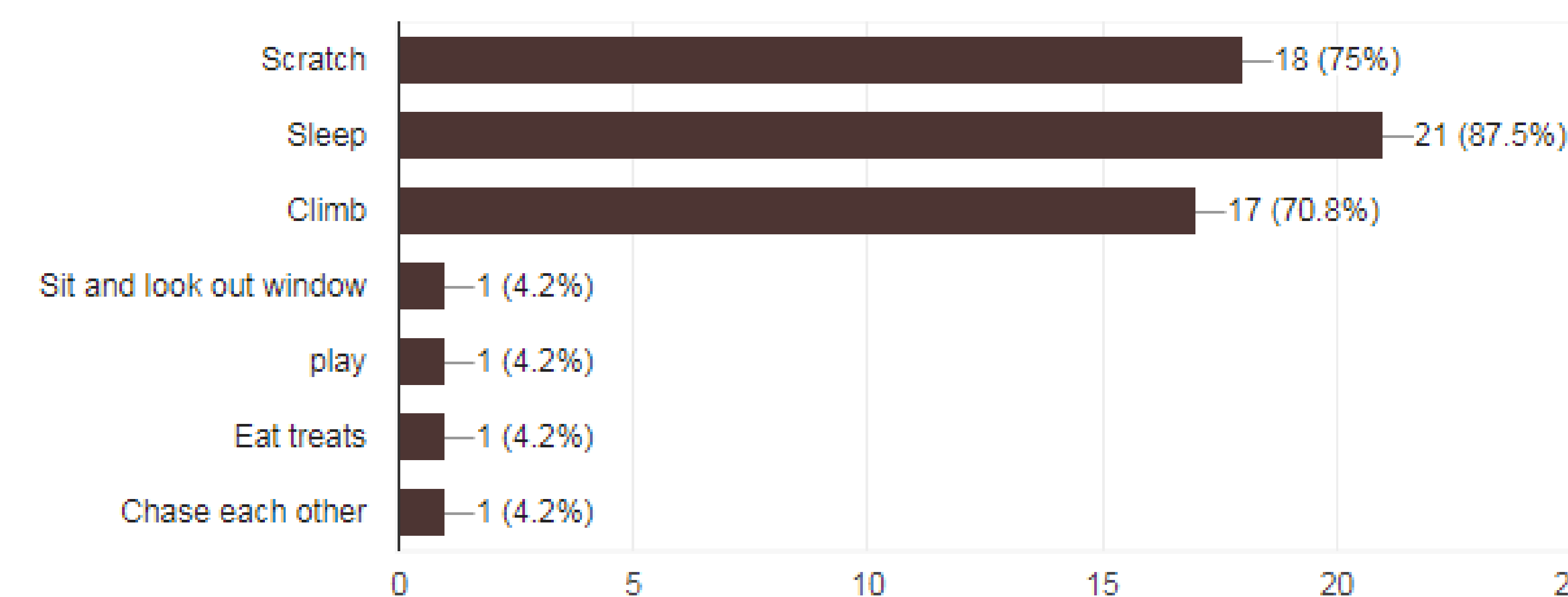


Survey

Would you buy a products that increased the amount of activities on a cat tree?



What activities does your cat do on the cat tree?



Images



Customer Requirements

- Affordable
- Durable
- Easy storage
- Quite
- Easy to use

Product Description

Our solution frequents the problem of cats being bored and inactive, it is a device that utilizes wooden planks, and VEX Robotics parts secured with 3D printed ABS plastic parts. The attachment will move in random positions programed with Arduino software.

Recommendations

- Make mouse pulley out of plastic rather than VEX parts
- Larger clamps
- Stronger ball joint
- More interactive Puzzle Feeder

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