Needs Statement:

Version 1:

A way to securely lock the fridges in lab settings to ensure people’s research samples are protected and consistently in the correct environment and something that is adaptable to multiple different types of refrigerators.

Directly from problem statement from client

Version 2:  
There is a need for a lock for clinical refrigerators to prevent them from staying open due to the loss of samples

Version 3:

There is a need for a device to prevent clinical refrigerators from opening due to human error in order to **prevent the loss of samples** through thawing.

Too specific/Solution Oriented

Version 4:

There is a need to reduce the risk of contents in a controlled environment from being compromised due to unexpected/unwanted/unintentional access.

-Removes the focus on specifically refrigerators

**Signs**

Miguel Cruz (11/15/23, 7:55 PM)

Brayden Chipman (11/15/23, 7:55PM)

Vance Padilla (11/15/23, 7:55PM)

Ashwin Halepet (11/15/23, 7:55PM)

Version 5:

There is a need to reduce the risk of contents in a controlled environment from being compromised due to unexpected, unwanted, or unintentional access in frequently accessed refrigerators.

MC 11:13AM 11/28/23

BC 11:13AM 11/28/23

AH 11:14AM 11/28/23

VP: 11:14AM 11/28/23

Solution Statement:

There is a need to reduce the risk of contents in a controlled environment from being compromised due to unexpected, unwanted, or unintentional access in frequently accessed refrigerators by retrofitting features from more advanced and expensive products into older units. to prevent more major losses in costs.