**Design Idea Description**

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Lab section: 065

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This idea is for (check one): \_X\_ Bicycling \_\_ Clothing \_\_ Friends \_\_ Procrastination

**Name -** Provide a short name or title for the idea.

Hidden GPS Bike Tracker

**Enhancement -** Describe the enhancement this idea would provide.

This will provide enhancement by providing a discrete GPS tracker to be able to monitor the location of your bike. In the event of theft, the tracker would have been discretely placed on the bike, hiding it, not allowing it to be removed. This would clearly increase the success in finding the bikes.

**Persona -** Describe the sort of person you think would benefit from your enhancement.

The person that would benefit from the enhancement would be anyone with a bike. This device would allow for easy tracking of their bikes and limit the success rate in finding a stolen bike. Even those people who lock their bikes are not immune to theft.

**Interface -** Describe the design of the user interface for this idea. Use drawings as well as text.

The design interface for this idea would include an app that syncs to the bike’s GPS tracker. Similar to the way that “tile” works, connecting to Wi-Fi and other user’s Bluetooth, this app would follow like protocols allow for 24/7 monitoring of your bike. The hardware for this product would be a GPS tracker that would be discretely placed in an unsuspected location. While the idea spot for this device would be on the tire in some way, leaving no ability to remove it and still ride the bike, it would be too difficult to place it on the tire. The next best spot would be a place that few would expect it to be, the handles.

**Evaluation -** Describe one specific way to evaluate the design idea.

One way to evaluate the device would be to test its accuracy in finding the location of the bike. Additionally, I would test the ability for people to find the GPS on the bike. This would show the ability to camouflage into a regular bike. From evaluating in this way, you can see how well the Hidden GPS is hidden and then decide if the GPS should be moved to a different location.