iLost

Conceptual Prototyping

Initial Concept

A reminder app. stops you forgetting your item in the first place, when you forget the item, you get notified.

Same as before, but this time the user gets the actual location of the missing item too.

Building on the concept before, you can now locate the location item if it is stolen - long range capabilities.

App now adapts to user, track any item (even vehicles) anywhere in the world. We still keep the reminder function.

Final Concept

Functional Prototyping

Bluetooth

This allows the reminder function to work. however, range is limited to max 40 metres.

RFID

The smallest solution, but range too short for the tracker to work.

Cellular

Worldwide coverage, however not accurate.

Hybrid

Bluetooth for short range (<40 m) and cellular for unlimited range. best of both worlds

GPS

Worldwide coverage just like cellular, however power hungry and not accurate.

Acoustic location

Echolocation, unused but not feasible in an urban environment.

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