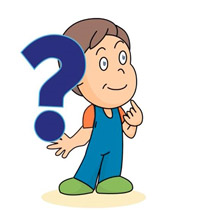
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| --- | --- |
| **Group** 27 | Item Tracker |
| **Major:** | **Team members:** |
| CS | Mohammad Aljagthmi |
| EE | Ryan Ly |
| CEG | Jake Manser |
| CS | Donald Taylor |



**Design Assumptions**

Assumption 1: The user will have access to the IOS App Store or the Google Play Store to acquire the necessary app.

Assumption 2: The user has object(s) that they wish to track.

Assumption 3: The user has a device (i.e. an Apple or Android smart phone or tablet) that can access the internet in order to interact with the app.

Assumption 4: There will be an existing IEEE 802.11 standard Wi-Fi router for the Tracker to utilize.

Assumption 5: The user has a place of residence.

Assumption 6: There will be no outside parties/entities that will tamper with the tracker.

Assumption 7: The user supplies batteries that are compatible with the device.

Assumption 8: The user can hear the alarm function.

Assumption 9: The user can see the LED Alert Light.

Assumption 10: The user will not attach the device to anything below 32 oF.

Assumption 11: The user will not attach the device to an object that will be submerged in water.

Assumption 12: The user has working household power.

Assumption 13: The user will not expose the device to temperatures above 150oF.

Assumption 14: The user does have anything in the house that will obstruct the Wi-Fi signal.

Assumption 15: The user has their internet and network discovery settings turned on for their Wi-Fi.

Assumption 16: The user has locations turned on for the application.

Assumption 17: The user will not subject the Tracker to accelerated gravity.

Assumption 18: The user will not expose the Tracker to radiation.

Assumption 19: The user can operate a smart phone.

Assumption 20: The user can operate a smart phone application.