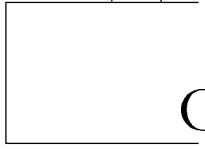
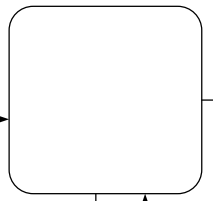
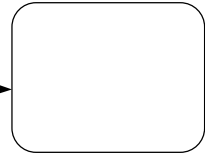
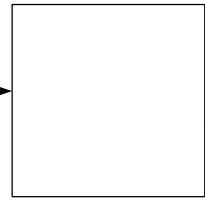


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BSA 375
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Child Locator

This is going to be a simple explanation of the process from the point a user logs into the website to when a child is displayed on the map of the US (figure 1). The user logs into the website. When the user logs into the website we plan to have the user confirm their own name and e-mail address, we will have the user setup a user name and password for future usage. Once the user is logged into the website the user enters in the Global Positioning System (GPS) Transmitter Identification Number. The back-end software would then take the GPS Transmitter Identification Number and compare the number entered to the known database GPS Transmitter Identification Number as long as the GPS Transmitter Identification Number is listed and it is not a duplicate the processes will continue. Once it is determined the GPS Transmitter Identification Number is a valid number the number is sent to all of the radio transmitters. The transmitters then broadcast the GPS Transmitter Identification Number for the GPS Transmitter located on the child. The GPS Transmitter on the child would at this point wake-up and gather the location data from the GPS satellites overhead. The child GPS transmitter would then broadcast the current location and the GPS Transmitter Identification Number. The radios on the towers would pick up the broadcast and relay the given location and the Transmitter Identification Number to a server. The server would send the current location and the GPS Transmitter Identification Number to the web server. The web server will at this point place the GPS Transmitter Identification Number onto the current position in the webpage for the user. The user would then be able to see on a US map the current location of their child and the direction the child was moving.

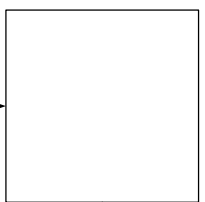
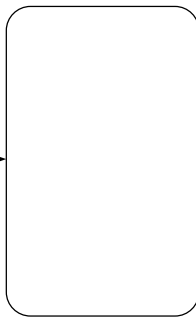
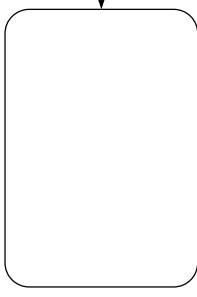
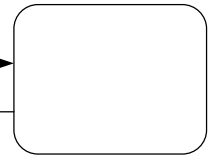
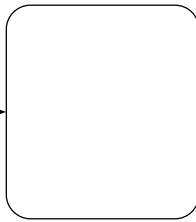
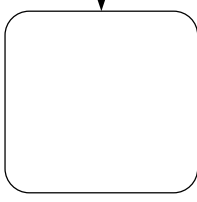
Figure 1



user

Internet

Open
webpage



Sent GPS
transmitter
Identification
Number

Transmitters
Transmit
GPS
transmitter
Identification
Number

