# User Stories for Group 7

Below is a list of User Stories based on priority with the first story being listed as the most important:

**Generate GPS data**

Software on the pet device, periodically generates GPS coordinates of the pet device along with the current time to a JSON file. Data on the JSON file contains a period of 1 minute to 30 seconds of data.

**Send GPS data to Application**

Application accepts periodic transmission of a JSON file containing the time and GPS data from the pet device.

**View pet coordinates**

Be able to parse the JSON data and view updated data on the application in real-time. The user is able to view GPS coordinate data and the time from the application.

**Create User Profile data**

Through the application, the user sets up a profile with personal information and pet(s) information to be saved locally in JSON format.

**Stored User and Pet data**

User is able to add/delete/update data on the system database.

**Retrieve User and Pet data**

From the system application, the user can make a request to the server about a particular pet and receive pet and user data information.

**Server sends an alert**

Server can send an alert notification to the application with a message.

**Enable/Disable GPS location**

The user is able to click a button on the application to send a signal to the device to start/stop generating GPS data.

**View map data**

With an indicator showing the current location of the user and the last sent GPS coordinates of the pet, the application has a local graphical map representation.

**Find user’s within a radius**

The server is able to calculate a 5 mile radius of a given GPS coordinates and find users of the system in the database whose address are within the 5 mile radius.

**Scan pet ID**

The application is able to scan a visible code on the pet’s collar and return the code to the application.