Issue list

**Current**

* Web app
  + No way to create a user class that can view the full info on an IME and add repairs (for operations.)
  + When entering rechecks, Inspector field does not show data entered. It does after update (does not need fixing now.)
  + The "Inspector" pick list for entering rechecks is not limited to those of the Inspector group (does not need fixing now.)
  + Can't save an unverified data set with missing IME#, but can't enter or associate a number in the form.
  + **When reviewing and editing data, it does not show the date for the data, only times.**
  + When editing data, does not show grid.
  + The ability to have "this quarter, month, or year" be selectable in the reports. This is what would be commonly used. This will be needed in automated reports.
* Both
  + **Equipment site assignment should not exist.** (It was a legacy field from an old database when the ECI's had 2 offices [I had just done a dump of the table to get sample instrument SN, types, etc.]. It should never have been brought into the app. **As such it breaks the functionality.**) This was not present in the older versions of the app. (applies to field in the db, app checking, etc.)
  + **Need instrument id field in probes** (thought that previously we had that).
  + **Need instrument id field for IME's** (thought that previously we had that).
  + No ability to add the second (or third) inspector for probes (this was mentioned way back as a need).
  + Range/sanity checking of the fields.  (WA was to provide follow up on this.)
* Android
  + It is hard to see the cursor position in the sunlight. (from 4/4 email) Color of blank lines, needs to be visible in full sun.
  + **Need the ability to enter negative values in the pressure field for probes.** (This was previously brought up 4/4 email "Previously I tried the probes and could not enter a negative value for the pressure (not the barometric), there was no negative sign on the keypad." [I thought it got fixed at one point]).
  + Entering CH4 values for integrated: I could not leave the CH4 value blank.  Doing integrated, I won't know the value until I return from the field and actually read the samples that I took.  I wound up putting dummy values in. (noted in e-mail 4/4/2017)
  + Default time for integrated should be 25 minutes, vs the 30 for Instantaneous. (noted in e-mail 4/4/2017)
  + The importation of past data for view (and for IME's to add new readings/rechecks), what is the status of that? 4/4/17
  + need better spacing for barometric. (Previously noted 4/4 email "Setting the barometric pressure: need some padding between the value and the "SET" button. Can't be sure to get the right most digit without hitting "set". Also should always show four digits like this: ##.## ")
  + Newly noted: Entering a value such as 24.9999 (and submitting) for integrated will prevent it from being edited to another value successfully).
  + I got a data validation error on entering a hotspot.  I moved it down from the initial Instantaneous value.  The error said that it must be above 500
  + Data entry validation error messages:  These should pop-up (fixed) and require an acknowledgement.  Otherwise it can be too brief.  They also should pop up as the user leaves a field in question.
  + Hitting the back button (top left arrow) on a new instantaneous form, the record automatically saved even though it is blank. Should there be a warning message for saving or discarding the data when the back button is hit? (Still seems to be an issue as long as a value has been put in the CH4 field, instantaneous, the back function enters a zero value in all user input fields.)
  + Have probes change color when pressure exceeds certain absolute values. ("Somewhere I had asked for the probes to display the data in different colors based upon the readings (the methane and/or the pressure).)

**Desires:**

* Web app
  + "IME Numbers" and "IME Numbers List" should use "IME" without the word "Numbers". [Except when referring to the actual ID number] (from previous e-mail)

**Previously noted and fixed**:

* Web App
  + Probes displayed in the unverified data list "Grid" as opposed to "Probe".
  + Web app treats all data from a single site as if it has a single barometric pressure.  If multiple tasks are being done, each should have their own.
  + After hitting commit and save, data still appears in the unverified list.  Also, I get only the spinning icon, no access to real things.
  + Hitting Commit makes the grid numbers go away.
  + It does not appear that the IME list is finding the right data for the latest readings. It appears to be listing later items first.
* Android
  + After the first entry of an instrument ID, have that be the default for the next entry.
  + Same as above for barometric.
  + When entering numbers there are defaults of "0.0" or the like.  When the user advances into or taps into the field, the cursor is generally placed at the end of the field, rather than clearing the default.  Maybe the fields should be empty if there is no reason for an actual default (the start time vs. end time there should be a default difference.
  + From someone else; "the time intervals should display the real time so that the start and stop times can be entered by pressing a button to tag the displayed time"  I believe that they mean that once the entry is started, the start time should default to now, and until confirmed, the end time should progress.  This might be helpful for instantaneous, but not so much for integrated.
  + John Hamilton had problems with the date on his phone (I have no further details on this.  I would not worry about it, other than just checking the code.)
  + The color scheme - better please.  It must be visible in bright sun.
  + Time entry is clunky.  The entry on my personal phone for the time on the default clock app is much better.  Maybe not don't use the current time selection tool.
  + Drop downs/pick lists for grids, based upon the site.  This is part of the range issue.
  + There is no way to fully back out of the app.
  + I had troubles with getting the time to set correctly.  I needed to adjust the time.  When I punched it in (Vs. spinning for it), I had to hit the button on the keypad and then the OK button.  Pressing the OK button first does not accept the current displayed value.
  + tried to just type in a dummy reading of 0.1 by starting with the decimal and then then number, with no leading zero.  The app crashed.
  + 3. Sample ID issues.
    - The section where the grid ID is needs to be 2 digits minimum (single digits need a leading zero
    - The date part needs the have the day as well as the year and month (ZZIS-GG-YYMMDD, where ZZ is the site, GG [or GGG] is the grid, YY=year, MM=month, DD=day)
  + The equipment serial number drop down arrow does not work.
  + When I click "submit" after entry (warmspot or hotspot), it doesn't go back to the warmspot/hotspot list.
  + The volume value for integrated should default to 9.
  + Can't set the instrument number.   Could it be like the barometric where I enter it once for all, but could also change it individually?
  + I tried uploading data to the web app and am getting denied access to the upload.  And there seems to be no data.  I tried the account I created and one of the others.
  + When entering a probe value the confirmation says "Warmspot..."
  + (the lack of confirmation of deleting an item)
  + Partially fixed: Somewhere I had asked for the probes to display the data in different colors based upon the readings (the methane and/or the pressure).  The same thing for integrated (methane value only).
* Both
  + User account synchronization between the web portal and the mobile devices

Unchecked status:

* + Json data file backup: subfolder will be created to backup the json files.
  + When assigning an IME number the Crate New IME button gives no feedback that one was created.  (The user should not have to enter a date, the date is in the data for the IME itself.)
  + Overall the view does not scale well in a narrow window.
  + After exporting the past data don't clear from the screen.  Is this going to clear at some point?
  + It is better to not show menu items to people that can't use them than to frustrate them with it not working.