

VERSION 2C

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1.0 APP

1.1 Show Data Previously Entered for a Project

Provide a way under the "current project" section to show all data entered for a specific project. Also allow a way to edit existing entries if there was a mistake.

Implementation: Will have an icon on each entry that can be pressed. Like an "i" symbol. When pressed will take the user to a new screen which shows the list of entries. I will do the formal dual screen style special to support tablets. That is, the list will be on the left hand side, and when you click on a row you will see the full information on the right. For regular phones, this will instead take you to a new screen.

The abbreviated row information will have the "Truck #" and as much as the other information I can fit.

1.2 If ZIP code is entered, auto populate city and state.

Use the [GeoCoding API](#) to find the city and state. See this [example](#).

1.3 Integrate ACRA into APP (crash detection)

See ACRA Support library from studioSC.

1.4 Add notes to pictures

Add notes section to each picture so technician can communicate what the picture is if needed.

Implementation: On the taking pictures screen, beneath each picture will be an Entry Field with the hint of "add notes here". Notes will be captured and sent along with the picture. Will need to modify the database for APP and the server to accommodate this new information. What is new is adding a 2.sql on the server side and seeing if it actually works.

The notes will simply be displayed beneath each picture on the confirmation screen and on the server.

1.5 Error checking on various numbers

If wrong # of digits is entered prompt the technician to confirm correct #. see the following list to clean up what the list look like as the clients have requested additional #'s. Correct # of digits are:

- Digital Fleet - serial # = 8 digits IMEI # = remove serial # as they do not need that anymore
- Smart Witness - serial # = 12 IMEI # = this should be MEID # = 15 SIM # = 20 and DRID # = 12
- Fed Ex - Mobileye # = 10, all others same as smart witness
- Five Cubits - meid # = 14, OBC serial # = 9, mobile # = 10, IMEI # = 15

Implementation Notes: will need custom input handler to cover all these special cases.

1.6 Display truck number list

With the new work order feature on the server, the APPS will have the option to show a list of truck numbers to select from in addition to the field to enter in any truck number. The list of truck numbers will also show the license number beside each truck number for convenience.

1.7 Add Status of Install option

After the picture is taken a new screen option will allow the technician to indicate the status of the install. By default if all equipment are checked and an equivalent number of pictures are provided the status will be “Complete”. Otherwise it could be orange “Partial Install”. That’s by default. The tech though can change the status to “Missing Truck” (blue) or “Needs Repair” (pink). This status code will be sent up to the server. Internal: the entry records will now include a status field.

2.0 SERVER

2.1 Provide a way to deactivate a project once it is done.

Will have a special “deactivate” button on the server side for each project. Once disabled the project will no longer show up on the list of available projects for all users. On the server side, the “Entries” screen will not show any disabled projects. I will have a link though that you can click to see the disabled project entries.

2.2 Separate out city & company from entries list.

Separate out into separate columns the company name and the city. It would be nice to sort by those two items but for now they are in one column.

Implementation Notes: right now I just have a getAddressLine() function for the one column, which simply pulls looks up the address id and concatenates all the columns into the one line. Instead I will have to break that up into several calls: getCompany(), getCity(), and getAddress(), where the after the address ID is looked up, will return the appropriate bit.

2.3 Better navigation ability on the server

The title always goes to the front page. Perhaps some deep entries should go up just one level.

2.4 Require Login to accessing

A new login screen will appear when trying to access the site. There will be a default administrator and guest logins. The administrator login will allow all modifications to be possible as it is now. The guest login will allow read-only and export access only.

A new screen will list the list of “client” logins that have been created with the ability to create new client logins. By default, none will exist. If a user logs as a client, they will have the additional ability to enter in new equipment.

2.5 Project/Client association

Projects will be associated now with exactly one client. The project screen will show which client the project is associated with. The client that is associated with a project can be edited on the Projects screen.

2.6 Progress Grid

Show a progress grid as on the sample progress grid sheet for a quick view of what is done.

Technical Notes:

I will try using HTML’s grid layout to display the equivalent of what I see. Will need to be able to specify the colors of each cell individually as well.

2.7 Entry Screen

A new status column will be added. Color coded. The “Notes” section will have details, if entered.

2.8 Work Orders

Reference: [Sample Work Order](#)

2.8.1 New Screen

A new screen will show the work orders that have been imported. This table will have these columns:

- Loc, Address, City, State, Zip
- Truck #
- License Number

- Project

2.8.2 Import

There will be an import work order button. This will allow the user to import a .csv file holding the import information. The columns of the CSV file must be identified precisely with the correct headers for each column. Other columns will be ignored. When importing the project an entry field will be available to allow all imported work orders & truck numbers to be associated with the designated project. If not filled in, then the project association will be left blank.

2.8.3 Color coding

Each row of the work order will be color coded according to these scheme:

- **Truck Complete**
- **Truck Not Completed**
- **Partial Install (notes section of what is missing)**
- **Missing Truck**
- **Needs Repair**

2.8.4 Push data out to APP

The Loc, Address, City, State, and ZIP will become new entries in the Company table.

The Truck # and License Number will become entries in a new table called the Trucks table. This data will also be pushed out to the APP.

Technical note: A new work orders table, internally, will have Company ID, Project ID and Truck ID.