See below for other dates as well.

New notes are in yellow – 2/8/16

Brainstorming meeting between Brandon and Steve on 10/14/14

* Sub inventory & cost controls (packaging) – sub of time – another function that we can assign to whatever. Virtual adoption process – native for time but available for any other system player.
* Play in bulk or play in individuals – let the users decide
	+ See image
	+ <https://www.adilascontent.biz/top_secret/images/corp22_448057E9CD/pdf/doc_64_06A7694467.gif>
	+ Be able to populate RFID tag or barcode numbers within a range
* Limits (quantity limits) – yes limits or no limits (unlimited)
	+ We still need this – for instance labor – different values for each person
* Attributes – the ability to have additional options, fields, settings, etc.
* Pools – pre-defined rules to help with conversions
	+ 1/8 oz = x g
	+ ¼ oz = x g
	+ Name, price structure, all the conversion rules.
	+ Maybe allow things to be connected to preset rules on the fly… Don’t require them to directly connect things. Allow them to assign on the fly.
* Units of measurement for the package… unchangeable
* Sub inventory items with special values…. (for example)
	+ Labor – mommy object
		- Sub labor – child options
* Price – variable prices and variable quantity to price levels
	+ Some of the special price matrixes may be sub inventory based off of rules and such
	+ Similar to the concept of smart groups – rules and assignments
	+ Help people sell stuff – rules and virtual conversions
* Barcode – We can use a unique number and it will pop up the package details.
	+ We also want to be able to scan or search a parent barcode and pull up all possible subs or child packages. See this file
	+ <https://www.adilascontent.biz/top_secret/images/corp22_448057E9CD/pdf/doc_15967_14173F002D.txt>
	+ Maybe allow for auto incrementing
* Package of packages (mini price and quantity matrix for or per the package) –recipe/builds and templates (processes) from other rules or matrix… think one-to-many – mini manufacturing
* Currently we have a 1 to 1 on price and unit of measurement – we need to extend that…
* Controlled groups – each package is individual
* Pre-packaging
* Scales and integrating with scales – other peripherals (outside pieces)
	+ Barcode thing (parent/child) look-up is needed.
* Pricing matrix per item… without smart group buttons. This could be on a group level or on an individual item level. (rules and assignments or pool subs or recipe subs)
	+ Rules need to be assigned to categories… that could be part categories, sub categories or customer types or both (any – space – organization – or layers)
	+ Be able to add group quantity functionality – similar to the new treat as group option for smart groups.
* Think subs and subs of subs – attributes (individual - micro level) – think of my cart favorite button groups (subs of subs). Maybe flex grid or in-line extensions.
* Be able to package, re-package, and re-package again. Unlimited number of layers or wrappers (how are we applying space)
	+ See new brainstorming in the adilas shop – Time Id’s 624 and 658 – about tracking special subs and details (categories, phases, locations, flags, and tags)
* By default a perfect 1 to 1 on price, quantity, cost, description, unit of measure.
	+ If they want, they could connect to a pre-defined matrix
		- Prices, start/end qty’s, descriptions, and unit of measure.
			* Sub packaging to get to that level.
* On pricing we need price per, and total prices… just like smart group buttons
* Borrow the logic of the smart groups without forcing things to the button level.
* Attributes – Allow them! – empower the users! – Both ways in and out (adding fields and subtracting fields).
	+ Colors, descriptions, sizes, weights,
	+ Sub matrix of other options…
	+ Flex grid at any level… think any attribute – name, use, setup drop downs, rules, defaults, sorts, etc.
	+ We ended up hardcoding 20 text fields, 10 numbers fields, and 10 date fields.
	+ We may need to increase the hardcoded values and/or go to a full one-to-many relationship. We are currently adding 40+ fields per transaction.
	+ We do have some people maxing out the current preset.
	+ Known problem… if we use JSON… we can’t really pin point which of the 40+ fields are the same thing. And we have to redefine the attributes for every category. Ex: size and color – that could be T1 or one category and then T7 for another one. It may help if we have a database base and then use those same attribute pieces over and over again.
	+ Be able to print labels with the attributes. Easier mapping – not in a mixed bundle.
* Packages are very defined… packages may not be as big, but think of a lot full of cars and trucks. Each one is very unique and we need to record that data. The uniqueness, good or bad, may also affect the cost and price (money or the Y scale)
* Part categories and sub categories of categories – stack as needed – we really need this.
* Real In-Line Extensions – we need them – see notes from 10/2/14. Flex grid on the database level.
* Go as deep as we need
* Think of attributes on a per item basis… shoes, balls, t-shirts, sizes, colors, etc. The categories need to be main… The attributes need to be on the sub category or sub level. They ended up being attached to the part category.
* Pattern after the makes and models section (any attribute and make it searchable). Do this on a group level or an individual level.
* The goal is bulk or general to specific or individual. Use the stock/units as a model… They are serialized units… tons of micro details that may be assigned and applied per item or per package…
* Searching space… pretty vast and broad – space could be sub locations, sub phases, sub levels, sub categories, sub special flags, tags, hooks – digital storytelling. Be able to search and get alerts, notifies, updates.
* All of the pieces play in this same realm – all 12 main players, sub line items, payments, sub tables, attributes, and any other sub functionality. Make it even more of a system.

10/21/14

* Go to the very beginning…. Where does it start? We even came back to the planning mode on 2/9/16.
* On multi RFID & Serial Numbers…
	+ Stardard Piece: Ex: XYZ-7777
	+ Auto Increment from N to M. Ex: 400 – 550
	+ Or I need to add X number of these with mini tweaks
	+ Be able to scan an RFID tag number to get to the subs
	+ Be able to scan parent barcodes and get to child subs
	+ If we use time, we could use the RFID tag number as a search option. It might also be good to add new quick search options for subs.
* Stock/Units – tons of 1 to many :: also attributes to parts – tons of 1 to many relationships
* Auto packages – LIFO and FIFO – What is the order of selling? Think of a vending machine… next, next, next…
	+ They get to pick by making a package active/show or active/disabled or inactive/closed.
	+ What if we let them define their own rules and when to open packages and such.
* Settings and overrides – Possible options and how do they play? Automating some of the opening and closing of the packages. This may come later on.
* Possible grouped invoice… In the background we play in detail, in the foreground or to the customer we play in bulk – according to price and description.
	+ Toosie Rolls at $0.05
	+ Toosie Rolls at $0.07 (price is different)
	+ Toosie Rolls X at $0.05 (description is different)
	+ On each child we need to dictate some rules for selling – pricing matrix – tiered pricing at a sub or child level.
	+ Pricing matrixes could use a template and then be used for multiple things and pieces – rules and assignments without having to recreate the matrix. Think about copying rules and assignments and/or assigning different things to different templates. Basically, what pricing template do we belong to?
* Track in detail but show in bulk when possible.

10/22/14

* Building recipes… Build the recipes based on a quantity of 1 – not 12 (what if 10, 11, 12, or 13). On a quantity of 1, it will work every time.
* Build and Sell, Build and Hold, ….. future of Build and Build (stock/unit or a 1 by 1).
	+ What if Build and Build was a set of preset attributes, processes, matrix, attributes, etc.
	+ Think a preset set of rules and functions. You could then use the build and build recipes over and over again.
	+ This may be tied to pools or presets (subs of elements of time)
	+ Remember the costing as well. This is part of building and manufacturing.
* Raw, to work in progress, to finish goods. Run things through settings, processes, or preset lists of things that normally happen. It could also include options. Think of a recipe but then using it on the fly. Adding the attributes on the fly but it all gets connected to a basic recipe. Or we run the recipe (as is with options) but then they can customize the process as needed.
	+ This may also need things like sub locations, sub phases, and other sub tracking options.
* Buttons, checkboxes, groups – Think about building a stock/unit description (lengths, widths, weights, colors, other attributes). Building over and over with standard features.
* 3D level – x=time, y=money, z=space
* On barcodes maybe tie out to categories or allow a switch to determine the action – add to cart, show details, prompt for weight, show matrix, ext. Maybe even a quick screen with other options.
	+ See notes on barcode searches listed above.
* Speed is the main issue.
	+ Tracking the details and/or story is also a huge part of the puzzle.
* Sales and promotions, coupons, marketing campaigns, discount levels, etc.
	+ Each of these things is a loaded statement… and/or a different mini project.
* Scanned like pieces – do quantity discounts based on categories vs. just a simple 1 to 1 sale. Think of smart group buttons but allowing the pricing to be applied to a group instead of individual assignments. Currently, we can assign any number of pieces to a group but they are treated as individual pieces not groups. It may need to go to the next level.
	+ We did take to the next level – treat as a group – only to find it needs to go to a smart cart logic level – custom rules - it still needs to go deeper.
* Sub inventory pieces (tied to customers or promised for certain jobs) – Basically putting some of these products on reserve and then special pricing for certain customers. Assigning products out before they are really used… kind of who gets what and from where?
	+ Promises, preorders, job costing, contract pricing
* Attributes may need to be on an invoice. Let’s set up things so that it can play as such. Think templates and sub functions. What do you want? Play on the full custom level. Build your own….
* Custom labels – We may need to add ingredients, stats, attributes, conversions, package details, etc. As a note, labels don’t have to be a sticker… it could be any other documentation, pages, notes, copy, verbage, etc.
* Recipes…. That could be the process, the pre-set values, the defaults, the verbage, the contents, any other documentation pieces. Think any other data stickers or otherwise… Data sheets, photos, instructions, warranty, disclosures, etc.
	+ Maybe connect recipes to media/content and files. And other important information.
* Breaking traditional accounting again! Professional Day Dreamers! We also try to put it in to action.
* Business Zipper – 3D World Building – A complete system – Building the bridges between the different players, groups, and pieces. It is a system.
	+ Data assembly line and dynamic data engines

\*\*\*\* left off here \*\*\*\*

10/23/14

* On in-line extensions… We need to be able to set which field is required, what order to show, show/hide options, defaults, add or subtract the new ones.
* API socket level … play at the wall – wall outlet or surge proctor level. Application plug-in
* The rising tide raises all boats – Maybe present some community funded projects. Show people the value of where we are headed.
* 3rd Party solutions – “Let them play at the wall” – Wayne Moore
* Virtual cash box that is automated.
* Cost of goods to inventory (COGS) – we will have this piece.
* Next logical step – This is what our goal is… What is the next logical step?
* We are selling a partially done product… That has been a huge pain but super worth it… We have a producing idea farm – right now! Our clients are helping us drive the ship!
* We try to listen to what our customers are really asking
* Corp setting, page settings, location settings, user settings, manager settings, etc. To what level? Business world building!
* Business to Business (B2B) transactions. Application flex grid options. EDI electronic data interchanges.
* Keep plugging, keep plugging! We are going in the right direction! The windows keep opening. This project is way bigger than we are… ☺
* Our business model is: small to medium sized business, self-server, software as a service, open API model, etc.

6/17/15

* We need to add new database columns to the time template table.
	+ use\_sub\_inventory tinyint(1) 0
	+ sub\_inventory\_tracking\_name varchar(50) Null
		- Default to RFID Tag, Lot #, Batch #, Package #, Group #, Heat Code #, Mixture #, Canister #, Case #, Pallet #, Bin #, or whatever… (variable or a setting)
	+ sub\_inventory\_barcode\_start varchar(5) Null (Internal barcode generator has a max of 15 characters that I can encode. First character must be an alpha or special.)
		- A\_, ~, pkg-, p\_, etc. Sample: A\_10, A\_111119, ~10, ~111119, A\_5555555555555, X5555555, p8111111, a15061755555555
	+ sub\_inventory\_barcode\_top varchar(100) Null - Mapping for top line
	+ sub\_inventory\_barcode\_bottom\_left varchar(50) Null – Mapping for bottom left
	+ sub\_inventory\_barcode\_bottom\_right varchar(50) Null – Mapping for bottom right
	+ sub\_inventory\_barcode\_description varchar(255) Null – Mapping for description

7/27/15 more notes from phone call and GoToMeeting session between Garrett, Steve, and Brandon

* We may need a new setting and/or permission. Not everybody needs this feature and it may be nice to charge extra for it…
* On the Excel spread sheet, we added 6 new possible database fields to the sub inventory table. There were a sub\_alias\_number (what do they want to call the sub id – also used for a barcode value), use\_expiration\_date (tiny switch to say use as a real date or not), sub\_size, sub\_size\_2, sub\_color, sub\_color\_2.
* Garrett is going to look into woo commerce and see how they do some of their product matrix stuff.

2/9/16

* Prioritize the needs based on budgets, needs, and wants
* Allow a pioneering team help cut the path and then circle back around and do another round or two. On purpose – do trystorming
* Sub part categories – may be a huge first step. Let’s do this as part of the next session.
* Community effort – keep building and dreaming – help businesses succeed – kinda like a bee hive where we attract other worker bees to help in the process.
* Education and maintenance – those may be more important than new features
* Find the sweet spot – mix between monies, workers, and dreams. Having your whole team there…
* We are into business progression – what is the next step? We’ll even help show them the map or show them what we are doing
* Having sub inventory work properly is a huge key of running a business and tracking your inventory – keep helping people.
* Workshops to explain what we bring to the table and what we offer – small advertising and getting things out there.