- 1. annual leasing ¥1000.00 Or ¥100/Seat
- 2. world wide demo page, subscribe page create account name and scalable users (monthly 10\$, yearly 100\$, per login user, data maintained for 3months after become in active or can be purchased \$200 for the process cost ), product page
- 3. company can switch to private network after using cloud version
- 4. local server periodically connect to cci-lab server for update and lease renew, failed to renew database is kept the sever software is removed
- 5. user feedback/wish list to be implemented during leasing period
- 6. user login to their own server for security reason only
- 7. basic component name/image
- 8. basic component two functions 1-input (create new or update existing) ~database, ~UI, 2-output status
- 9. how to accommodate two functions input / output in two separate page - home (output) and Add/Create (input); or combined into one page - using + and edit icon to separate input and output function ( prefer)
- 10. UI input: create new one name, Add or update a photo or other information
- 11. store update time and login user for any create/update
- 12. SPA home output page ☑: current running project by filter / search by time or name/display all
- 13. click on a project expends to show first next level components as the children; hide other siblings at the parent level; repeats until drilling down to bottom level (sub-component =0); click on the bottom level component it brings the detail tab (next to input page); click back button it brings user to output page at same state as bringing to detail page ( )
- 14. create/update buttons are common so they need to adapt for each level
- 15. Pring to next tab (what is it on the phone?) fill or update fields (\* fields are required), click save button will return to display page
- 16. input page : quantity, delivery date (in warehouse ready to ship). maybe have multiple delivery dates; component image; team; assemble line; material/required sub-components drilled to next level; sub-component/material supplier/team;

	the bottom level component only has material and no sub-component the first item is new project icon ( $\boxed{2}$ ), undefined sub-components are shown as $\boxed{2}$ icon too. select $\boxed{2}$ icon will bring user to next tab (input tab), select an existing component then clicks $\boxed{2}$ button at top or click
	page tab also brings user to input tab
19.	sub-components count is defined in parent component's input page
	only the bottom level component have a detailed page that is next to
	input page (graph); detailed information is here (to be defined).
21.	layout:
	top buttons: 🗾 🛐 📋
	SPA three tabs: using same above icons for three tabs. or using
	message style project progress >; click > change to first all sub-
	components and detail button (equivalent to edit) at top, the page name
	is project.
22.	output page : search field at top right side, filter field at top left side;
	first project is always the empty one 📝 icon ready for user to create
	from input page ; the existing ones follow it in the order sets by field;
	for existing one it's real image input by user and overlay progress color.
	green, yellow, and red
23.	output page workflow 1: click icon will bring user to input
	page or user click project image then click project image then click
	tab, it also bring user to input page
24	output page workflow 2: user clicks existing project - it hides all
27.	other project and expends next level sub-components under a divided
	line without intend; each sub-component also has image and overlay
	same progress color scheme or the sub-component could be a <b>g</b> icon;
	clicking sub-component with a progressing image it hides other same
	level sub-components and only shows its own sub-components bellow a
	divided line
25	output page workflow 3: user reaches the last sub-component (sub-
20.	component=0); if it's a icon, user needs to create it from
	page/tab; If it's a progress image user can update it using grad button or
	tab; or see the detailed information for green progress user uses
	button or page/tab; for yellow or red progress as soon as user
	selects the image it will straight away to bring user to 📋 page.

- 26. output page workflow 4: from other pages return back. click save and return button will save all changes and return click cancel and return will ignore all the changes and return from page: showing selected sub-component level and its own sub-components with updated status. save and return or cancel and return button to return from detailed page: showing the sub-component= 0 item updated status.
- 27. input page workflow: (should the items based on project feature? if it is it needs to be detected based on project name or key word).
- 28. Packaging could be the first sub-component. (or can skip)
- 29. sub-component count is common field. total required quantity. estimated/required production/process/assemble/consume rate. (from sub-component can check project date needs within sub-component date range; each component estimated production/consume rate times number day should equal required quantity. if these conditions aren't meet, create warning during planning phase). Actual production/consume rate. (read only) Actual production quantity. (read only) (planning and production monitoring), using actual production/consume rate calculates against required quantity or estimated rate to update status during monitoring phase). comment field read only for previous ones, editable for current only.
- 30. input for multiple start/end date. start and end date (number of how many separate start/end date, hit increasing the count will have extra start and end date input field). for each start/end date: quantity field, supplier field, assembling/process line, team, material( for subcomponent =0 item only). total raw material cost field (read only-calculated based on sub-component =0 items), actual production/consume rate (start from 0, updated daily or per shift). comment for each date range, previous comment is read only, current is editable.
- 31. detail page  $\Box$  can be eliminated by combining output  $\square$  and input  $\Box$  page. but how to handle multiple sub-component warnings:
- 32. show warning workflow (this workflow shields the normal workflow, select display all from filter to overwrite show warning workflow): click project it shows all warning sub-components (only these have the source of warning not those caused by its children components) from sub-component =0 in increment order. clicks the warning component brings to page, the fields that violate the condition are highlighted in

- the same warning color (yellow or red). all the fields are read only. except write comments.
- 33. how to handle 10s of thousand sub-components: concurrent users can create key sub-components separately from different devices using the same workflow. final assembling facility after planning stage send notification email/weichat to each key sub-component notifications receivers include the link to notify them start key sub-component planning
- 34. version controlled changes, all the history of change of input is kept; to review using time line filter within input page (a). all fields that updated with historical data are highlighted in light blue. click Save (a) to use history data to replace input data fields except the actual data fields that won't be replaced by history data.
- 35. does it necessary to have multi level access control for key subcomponent? a email list and weichat list input field for each project and its sub-components, only people in the list is able to edit the input page. anyone within the company is able to review the MRP site.
- 36. any changes to existing setup value after sub-component passes the start date an notification email and weichat is sent to the email and weichat list receivers.
- 37. how to move sub-component level, right slice to have move and delete option. considering hotmail style
- 38. delete a sub-component slicing to right. (delete a sub-component needs confirmed by at least two people in mailing list)
- 39. how to keep advance edge or protected from copy cats
- 40. email/weichat to mailing list before a start data is close by 2 day then 1 day