Hi Fidel,

I'll be implementing the FABLAB web app starting this month, so I have some questions regarding the ERD you sent me.

– Partner, Client, Freelancer were three different types of "customer". Is there a need to separate these three?
Here are the differences:

1. **PARTNER** refers to an institution (DTI, DOST, Nature's Spring, IoT Cebu) that usually "partners" with Fablab to create an event, do sponsorships, etc. They can be :
   a. Govt Agency
   b. Private Company
   c. Community Org

2. **FREELANCER** is a designer who can do the work for a client instead of the resident makers (INCHARGE). The reason we need to make them separate is because we intend to make a network of freelancers for easy referral. (ex: you need a 3D model designed, go to Juan dela Cruz). Every FREELANCER needs to have at least 1 expertise relevant to the Fablab.

3. **CLIENT** is a "customer" who makes a TRANSACTION with the Fablab.

   A FREELANCER may have TRANSACTION with the Fablab which then makes them a CLIENT also. But a FREELANCER may or may not have a TRANSACTION with the Fablab.

   For a person to become a CLIENT, they need to avail of a SERVICE otherwise they're just a...

4. **VISITOR** is a person who dropped by the Fablab but with no SERVICE availed example students on tour, faculty visits, guests...
   (we need to discuss if this is needed)

– Based on my understanding, the partner seems like an organization/company, while a client is an individual – so can the freelancer can be a client, with just extra fields such as skillset, portfolio, and hobbies? And also, a client can be connected or working under a partner, right?

– I noticed that freelancers are the only ones who can have projects? So a client cannot have a project?

Good point, we need to clear this out. A PROJECT is a list of transactions that involves a CLIENT, one or many FREELANCER(s), and the Fablab. Sometimes we

have collaborations that runs over a long period of time with multiple bills. It's important to keep track of these transactions and everyone involved in it. Let me know if this is going to be a problem.

– The in-charge (application admins) has tools? What are these tools?

Im reevaluating if **INCHARGE** is the best name for this. Maybe you have a better term? Maybe ADMIN nalang no? Wala ra ba na sya'y complication with reserved words sa system? Anyway.. This entity refers to the people running the lab (Fidel, Mark, managers).

TOOL is a machine or device acquired by the Fablab to help in building projects. They can be:
1. Hand tools (hammer, ruler, non-electric tools)
2. Power tools (jigsaw, heatgun, anything that uses electricity)
3. Device (oscilloscope, desktop printer, digital but non-major equipment like a 3D printer)

– Lastly, I didn't see any inventory from your ERD? Do you need this implemented?

I think inventory is a good thing as well. Just to keep track of stock supplies.

The features I am about to develop from the previous proposal are User Admins(in-charge), Company/Clients, Projects, Invoices, and Inventory.

Also, just inform me if I need to visit Fablab to discuss this better.