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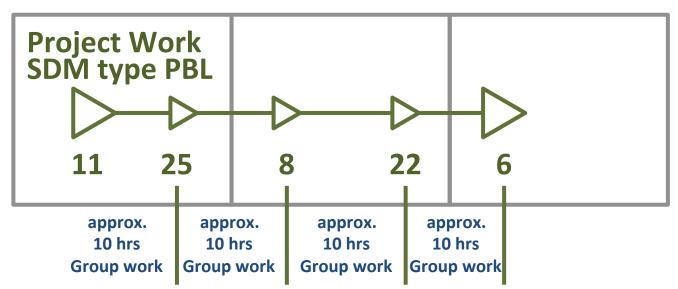
# Keio University Global Innovator Acceleration Program 2015 Project Work SDM type PBL #2

Graduate School of System Design and Management EDGE Program Team

2015 Keio EDGE 1

# Keio EDGE Program Project Work: SDM type PBL Schedule

#### October November December



Presentation 1 Presentation 2 Presentation 3 Final

**Presentation for PBL** 

# Keio EDGE Program Project Work: SDM type PBL Common Context

### Healthcare

- You can re-define if necessary.
- This is neither a requirement nor a constraint.
- This is a starting point for your discussion.
- At the end I want you to convince your audience that this is *a healthcare related* solution.

3

# Keio EDGE Program Project Work: SDM type PBL New Value Creation Process "Big Picture"

Basic building blocks for your new value creation.

problem definition

design principle functional design

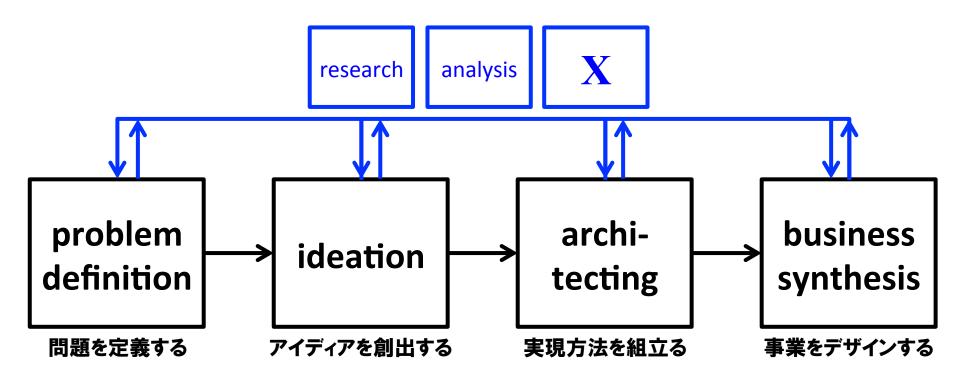
physical design

use-case

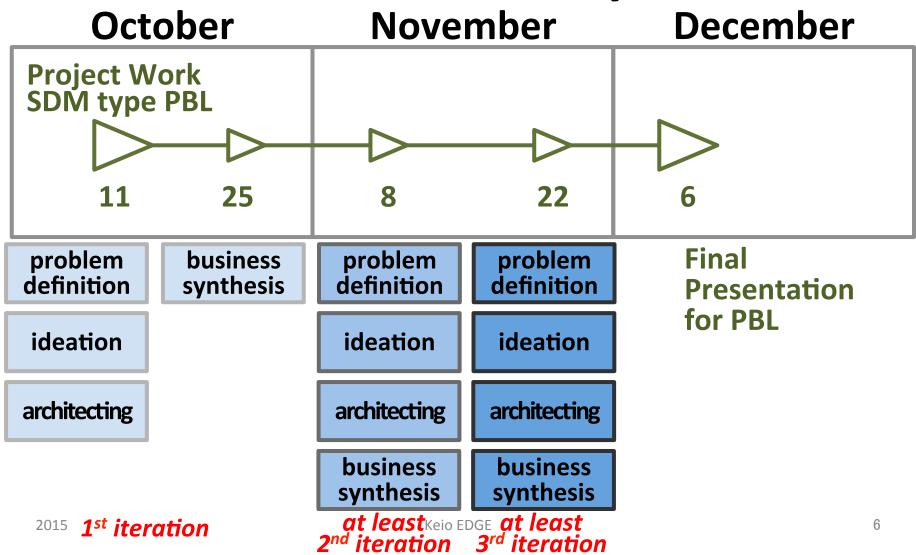
value proposition unit economics

marketability profitability

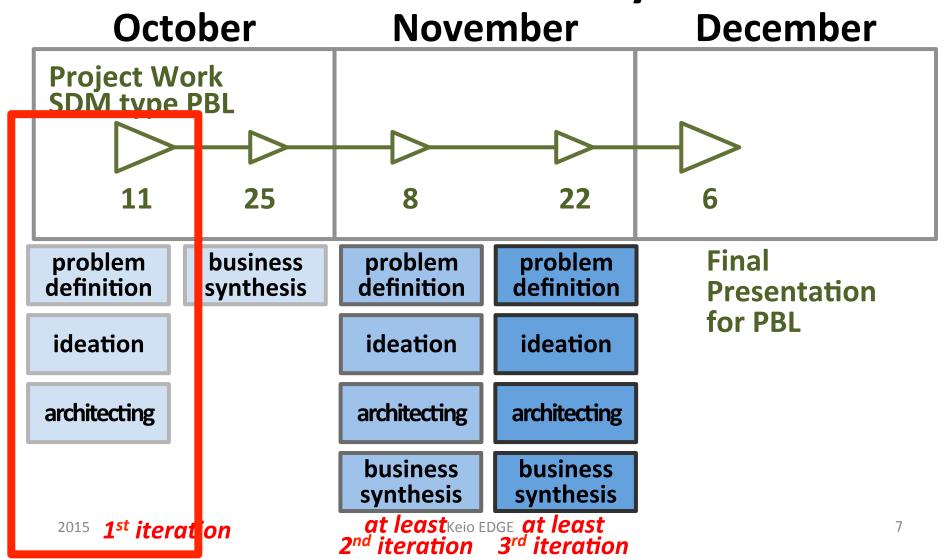
# Keio EDGE Program Project Work: SDM type PBL Basic Project Framework



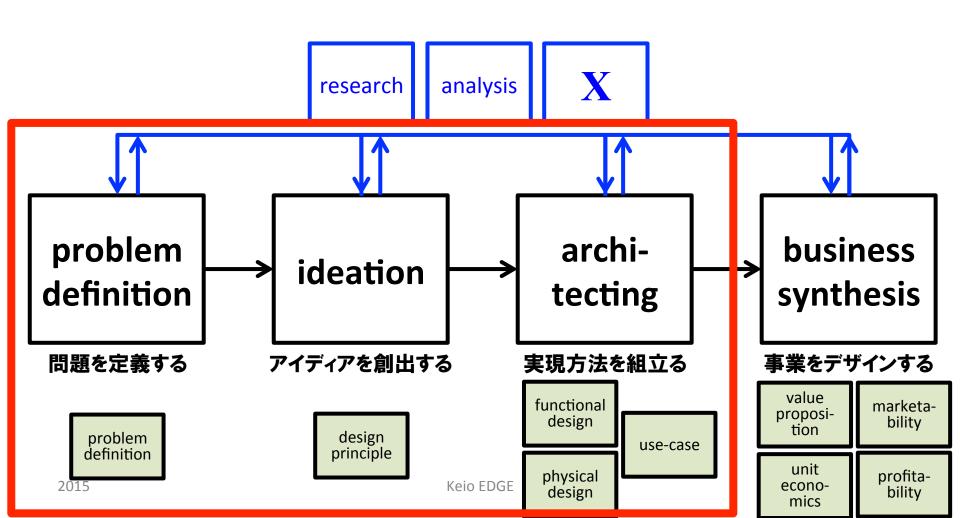
# Keio EDGE Program Project Work: SDM type PBL In-class Activity



# Keio EDGE Program Project Work: SDM type PBL In-class Activity



#### **PBL #1**



# Keio EDGE Program Project Work: SDM type PBL In-class Activity

- Tentative schedule of October 25<sup>th</sup>, November 8<sup>th</sup>, 22<sup>nd</sup>:
  - 9:30 11:30 Team presentations and discussions
  - 11:30 12:00 *Lecture* or *Group work*
  - 13:00 18:00 Group work and/or consult with instructors

#### Presentation: 20 minutes

- 10 minutes presentation
  - Your problem definition
  - Your solution (highlight: overview & value created)
  - Your design principle or most important insight
  - Your solution's use case
  - Your solution's functional and physical architecture
- 10 minutes Q&A
  - Instructors and peer teams will ask questions.
  - All questions are intended to improve your design process and outcome.
  - You can ask questions to the instructors too.

#### for this afternoon

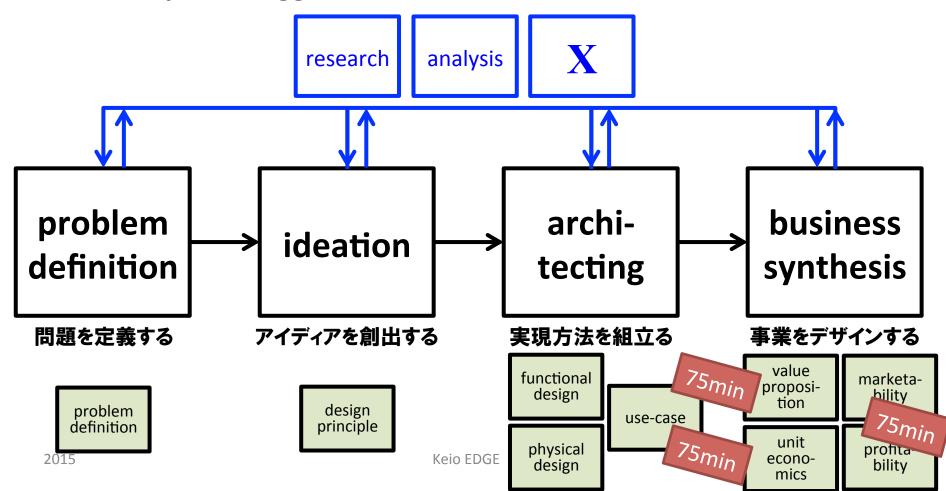
#### **PBL #2**

#### This is just a suggested time table. You can choose what to work on.

13:00	14:15	75分	10	Exercise Value Proposition
14:15	14:25	10分	11	Break
14:25	15:40	75分	12	Exercise Unit Economics
15:40	15:50	10分	13	Break
15:50	17:05	75分	14	Exercise Marketability, Profitability
17:05	17:15	10分	15	Break
17:15	18:00	45分	16	Presentations

#### **PBL #2**

This is just a suggestion. You can choose what to work on.



### What we did in intensive workshop day 6

what?

#### Value Propositions

- Find possible "pain relievers" of your solution for your customer(s).
- Find possible "gain creators" of your solution for your customer(s).

- Review pain relievers and gain creators and create a short sentence to describe the Value Propositions of your products/services.
  - Discuss and identify what you really want to deliver to your customers.
  - Discuss how your value proposition can be unique.

### Value Proposition to Unit Economics

 Discussion about the value in terms of economics.

Suggested process for Keio EDGE program

**Core Value** 

Clarify what you deliver to your customer.

**CVCA** 

Understand value chains around your core value.

**Price & Cost** 

Value is delivered at certain price with certain cost.

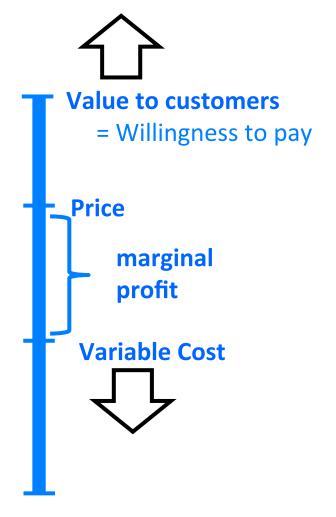
MQ Accounting Discuss and make decisions on how you are going to deliver your core value to your customer in terms of economics.

Day 3 slide

- Discuss and create CVCA of one of your concepts or ideas.
- Consider the values that are not only money and goods/services.
- Who are main stakeholders? Souvenir from Ahmedabad for my family ■ What are values for the stakeholder? Dad ■ How is the value chained? Mom **Ahmedahad**

Visualize value chain so you can discuss, modify, and make it as a part of innovative solution!

#### Value and Price and Cost



- Value to customers must be higher than price
- You want to increase value / decrease cost for getting more marginal profit
- Value is not fixed:
  - √ it depends on customers
  - ✓ it depends on what story you deliver

#### MQ(Margin-Quantity) Accounting

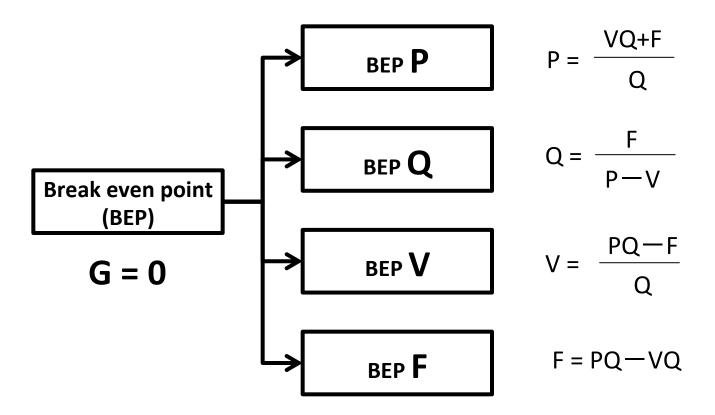
#### **An Italian Restaurant Case Study**

**Unit Economics** Whole Economics Volume (yen) (thou.yen) (persons) VQ V Р PQ 2,000 2,000 3,000 3,000 Q × 1,000 F MO M 800 1,000 1,000 G 200

- P: Price
  - Revenue per customer
- V: Variable cost
  - Cost of food materials and etc
- M: Marginal profit
  - Price minus variable cost
- Q: Quantity
  - Number of customers
- F: Fixed cost
  - Personnel cost, rent cost, water, gas and electricity cost
- G: Gain
  - final profit

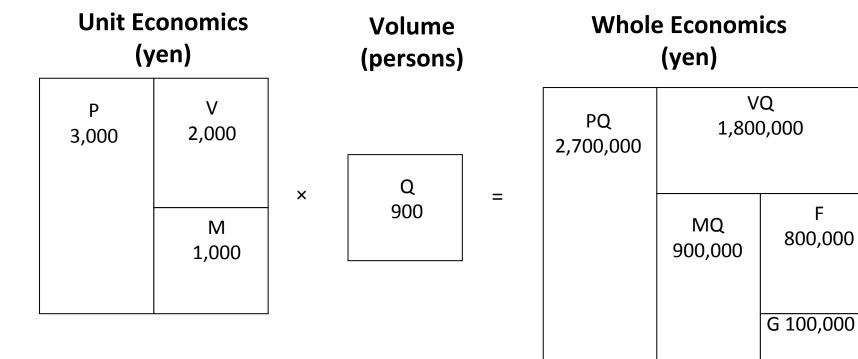
#### **4 Break-Even Points**

 You can calculate four kinds of break-even points (BEP P, Q, V and F)



### Case Study

- You are an owner of an Italian restaurant. Your restaurant's unit economics and profitability are shown below.
- For improving your restaurant's profitability, you have some options about menu reformation and advertisement investment.

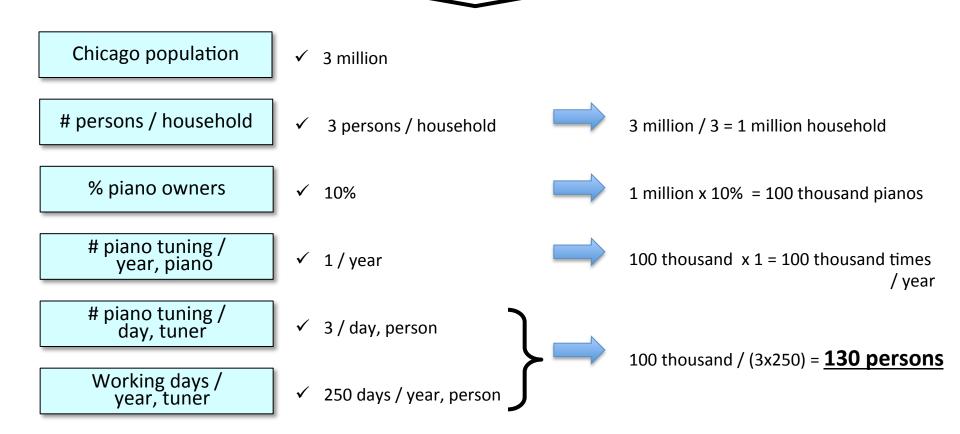


#### Market Sizing

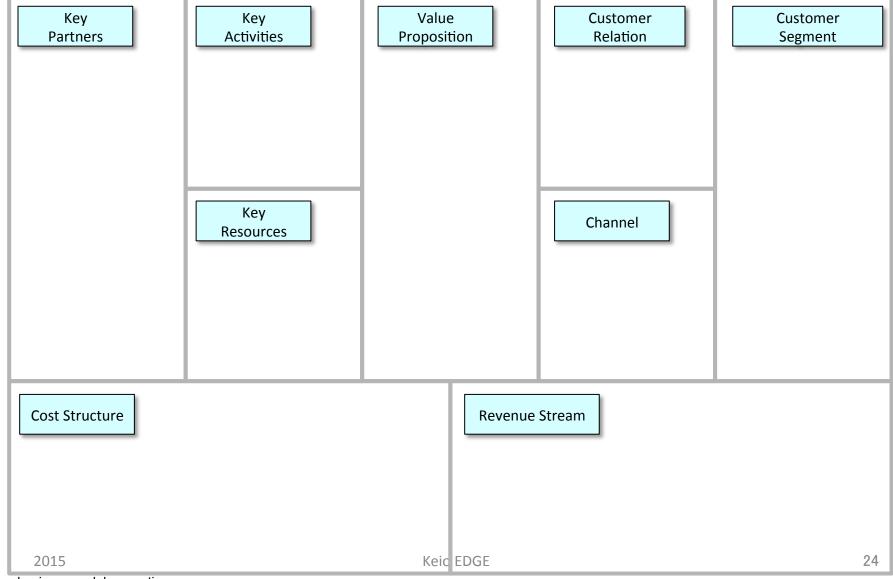
- Estimate the market size you are primary targeting at.
  - Accurate estimation is impossible.
  - Use "Fermi estimate" as your best effort.
- Moneywise sizing is preferable, but populationwise sizing is ok too.
- Write down your estimation process including all the hypothetical numbers so that you can update them later on.
- Once you finished market sizing for primary market, do it for secondary market.
  - Don't target at all over the world.

### Sample of Fermi estimate

#### Q: How many piano tuners in Chicago?



#### **Business Model Canvas**



### What do Venture Capitals check?

Marketability

Sufficient market size?

Unmet needs?

• Growing?

Product/Service

Value proposition satisfies unmet needs?

Scalable?

Competitiveness

Competitive advantage?

Sustainable?

Management team

Can get things done?

Good chemistries?

**Profitability** 

Good unit economics?

Initial investment can be paid back?

Return to funds

Sufficient return to the fund?

#### Basic questions you want to answer...

What is your target market segment? Marketability Market size? Is it growing? What is your value proposition? Product/Service How can you deliver it? Who is your competitor? What is your competitive advantage? Competitiveness Is it sustainable? Any entry barrier? Management n/a team How about unit economics? **Profitability Price? Marginal Profit? Initial investment?** Return to funds n/a

### A Tip for Business Synthesis Process

### A tip for Business Synthesis Process

- Think about your value proposition all the time.
  - Revise, update, modify, change it as you move on.
  - Is it really something you want to work on?
- Discuss and iterate to maximize the proposing value.
  - Who should be your customers to maximize the proposing value?
  - How should it be delivered to maximize the proposing value?
  - How should it be charged to maximize the proposing value?

**–** ...