#### Craig Bossley **林**彥明

# **User Experience Design (UX)** with **migrant workers** in Tainan, Taiwan:

a Community-Based Participatory Research approach

2019 December 13 MA Thesis Proposal

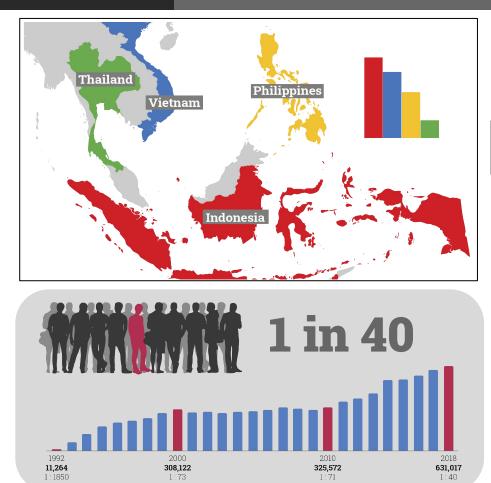
Craig Bossley 林彦明 PA6077034 | Group B Advisors 簡聖芬 博士 Dr. Sheng-Fen Nik CHIEN 仲曉玲 博士 Dr. Hsiao-Ling CHUNG Craig Bossley 林彦明

migrants / opportunity / UX process / RQs / Tainan focus / methods + CBPR / timeline



Craig Bossley 林彦明

#### migrants / opportunity / UX process / RQs / Tainan focus / methods + CBPR / timeline



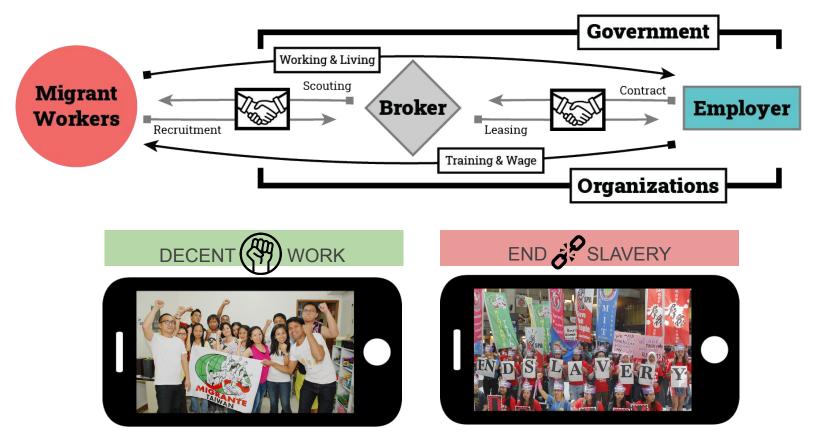
Industrial Production



Social Welfare



### Migrant Worker System



### Digital services for foreigners



Visit the slow-paced ancient city with Travel Tainan App

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About Us

#### Site Map Home 日本語 中文 南市政府 S TAINAN CITY GOVERNMENT Search Q æ Keywords Announcements Tourism Investment Living City Government Tainan's Sister/Friendship Cities Tainan by foot A Home > Living Living 8 Tainan Municipal Cultural Center Tainan Public Library Links Site Map Chinese English Tainan City Government < 🔺 Keywords Search Q Advanced Search Labor Affairs Bureau of Home > Employment Promotion Services > Affairs Introduction **Tainan City Government** Affairs Introduction ē Labor Relations Section Back Top Employment Promotion Services Close Sunny Day Workshop/Cube Shop Labor Employment Labor Labor Safety About Us Independent Affairs Introduction Relations Promotion Standards and Welfare Commission Director Labor Standards Section Services Contact Foreign Affairs Workers Introduction Information Affairs Sunny Day Labor Safety and Welfare Introduction House Repair Workshop/Cube Services Shop Project for

Disadvantaged

Families

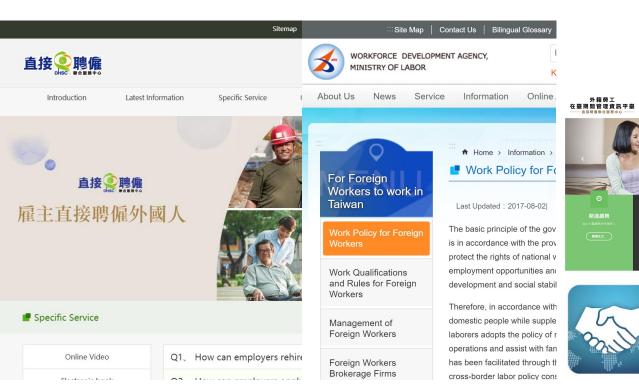
Affairs

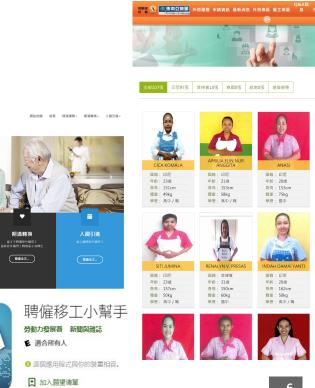
Introduction

Instant push notifications of food and events

Push notifications of popular local events or travel information during the season when you launch your smart phone's GPS, and enjoy Tainan by unlocking your travel achievements.

### Digital services for migrant workers?



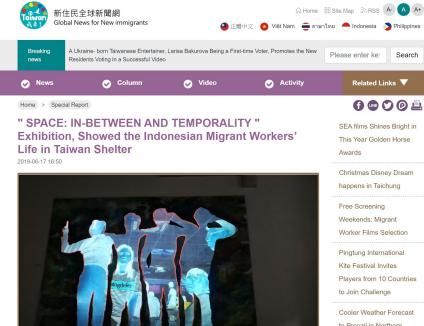


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About Us News Servio	e Information	Online Application Advocacy and Promotion Related Links			
For Foreign Workers to work in Taiwan		nation > For Foreign Workers to work in Taiwan > Work Policy for Foreign Workers for Foreign Workers  • • • • • • • • • • • • • • • • • • •			
Work Policy for Foreign Workers	The basic principle of the government's introduction of foreign workers to engage in physical work is in accordance with the provisions of Article 42 of the "Employment Service Act". However, to protect the rights of national workers, the employment of foreigners shall not hinder the employment opportunities and working conditions of ROC nationals as well as national economic development and social stability. Therefore, in accordance with the basic principle of not affecting the employment opportunities of domestic people while supplementing the lack of labor in our country, the introduction of foreign laborers adopts the policy of restriction in quantity and industrial fields in order to maintain industrial				
Work Qualifications and Rules for Foreign Workers					
Management of Foreign Workers					
Foreign Workers Brokerage Firms	operations and assist with family nursing job. At the same time, a policy communication platform has been facilitated through the labor –capital - academy-politic social dialogue mechanism of a cross-border labor policy consultation group. This group, matched with national economic development needs and employment situation, jointly studies appropriate foreign labor policies in order to implement the protection of national employment rights and interests as well as to promote the goal of national economic development. In addition, in consideration of foreign				
Direct Hiring Service for Foreign Workers					



外籍勞工 在臺期間管理資訊平臺 —— 直接聘僱聯合服務中心 —— 網站地圖 首頁 期滿續聘→ 期滿轉換→ 入國引進→





Deden J. Bulgini made the creation from the newspaper with the poses and outlines as the migrants' interpretation for them to get acquainted

On June 15, 2019, the Open-Contemporary Art Center (OCAC), held a "Space: In-Between and Temporarily" public discussion and exhibition. The exhibition and public discussion theme was about the Southeast Asian migrant workers in Taiwan.

Related Links V f • • • @ 🖴 SEA films Shines Bright in This Year Golden Horse Christmas Disney Dream happens in Taichung Worker Films Selection Pingtung International Players from 10 Countries Cooler Weather Forecast to Prevail in Northern Taiwan This Week Upgraded YouBike Service to Start Trial Run in Gongguan Shopping Area

Taipei 101 Provides

### Contratados

### Case study: Contratados' approach to limiting liability and reducing risk of harassment<sup>128</sup>

The Centro de los Derechos del Migrante considered how to structure the Contratados platform in a manner that would limit the risk of harassment and liability for the organization, migrant workers and funders, while providing actionable information for workers. It obtained legal advice in relation Mexico, the United States, and other jurisdictions and took the following steps to mitigate risk:

- Structuring the platform to meet conditions for immunity under section 230 of the U.S. Communications Decency Act of 1996 (codified at Title 47 USC § 230).
- Delineating information that is publicly available from that submitted by a user.
- · Not editing the content of reviews.
- · Providing users with detailed instructions, including on how to use the site.
- · Asking only yes/no questions with no opportunity for narrative responses.
- · Allowing migrant workers to use the site anonymously.
- Using a server in a third country with aligned values, which agreed not to hand over information to authorities unless subject to a court order.
- · Flushing user identity data to avoid disclosure in the event of a subpoena.
- Reserving the right to remove information that exposes a user to risks or does not meet guidelines.

來西亞

### Digital news for migrant workers?

Area

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Deden J. Bulaini made the creation from the newspaper with the poses and outlines as the migrants' interpretation for them to get acquainted

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migrants

### Digital development: **Benefits** and **challenges**

1 Online Labor Management Databases

2 **Direct-hire** and **'rate-and-review**' Platforms

3 Utilizing Existing Social Media and Messaging platforms



International Labour Organization

**OPEN SOCIETY** 

FOUNDATIONS

orgs & service providers

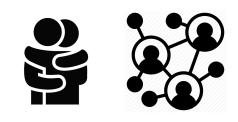
employers & brokers

- + Process Efficiency
- + Reduce Costs
- + More Accountability
- + Better Transparency
- + Empower thru Info
- + Build Connections

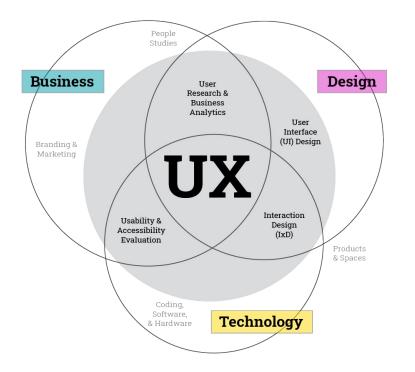
With 'digital IDs', Protection of privacy and security

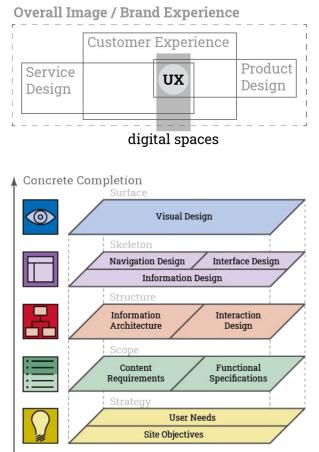


Tradeoff between ability to offer individual help and desire for large scale help



## What is UX (user experience design)?





### The State of UX Practice



"2,41 link shares & 358,917 world-wide designers"

- UX is **too obsessed with methods** and toolkits Many argue online about the 'right way' of UX
- The democratization of UX is good; increased participation and discussion is better for everyone; UXers should stop drawing lines on who counts within the intersectional discipline
- UX focuses too much on wireframes and static artboards rather than contextual use; Technology design should be focused on long term development

### **Design Practice**

September 05, 2018

#### Harvard Business Review

Design Thinking Is Fundamentally Conservative and Preserves the Status Quo

- Design is stuck in tradition and maintaining the status quo; There's not enough flexibility
- Not enough participation; the role of designer is inherently privileged; best is radical inclusion of residents engaged in the design process as lay designers themselves
- UX designers are stuck in their own situations; open, continuous transformative solutions through 'interpretive engagement' allows us to engage with change

### **Community-Based Participatory Action Research**

"CBPR is a **collaborative** process between community-based organizations and academic investigators for **empowerment** of the participants, gathering of the best and most **accurate information** possible, garnering **community support** for the effort, and **social change** that leads to the betterment of the community for everyone."

- Acknowledge the community is a primary unit of identity.

Craig Bossley 林彦明

- Enhance and build on existing strengths of the community.
- Knowledge gained through the partnership is translated into specific action.
- Foster collaborative relationships between academics and community partners throughout the entire research process.



2

3

### **Objectives & Research Questions**

To understand the most **feasible and impactful area of opportunity** for **digital development** in the lives of migrant workers in Tainan, Taiwan

1 | To **define** opportunities for UX together

What **issues and needs** do migrant workers in Tainan, Taiwan have that could feasibly be addressed? What **use and challenges in digital systems** do migrant workers in Tainan, Taiwan encounter?

To incorporate and include the perspectives and technology practices of Tainan migrant workers in the process of developing UX with a community-based participatory action research approach

2 | To design UX with the community

How can the **needs and technology use and challenges** of migrant workers in Tainan **be incorporated** in the process of developing UX with a CBPR approach? How can more stakeholders **participate** in the process?

To generate guidelines for UX designers that reflects on the benefit of involving the multifaceted participation of community stakeholders in similar cases

**3** | To **inform** from process reflection

How can migrant workers and other stakeholder participation **inform the practice** of UX and digital development? What did migrant workers and other stakeholders **feel**, **understand**, **and suggest** about the process for future practice?

### Focus: **Filipino industrial workers** in Tainan, TW



成大集團 Chen Dard Group

### Potential Community Partners

MIGRANT WORKERS

(snowballing)

### BUSINESSES & SERVICES

Filipina Cakes in Tainan

伊家Brunch

llonggos Tribe Resto

Cherry's kitchen

**RJ** Mart

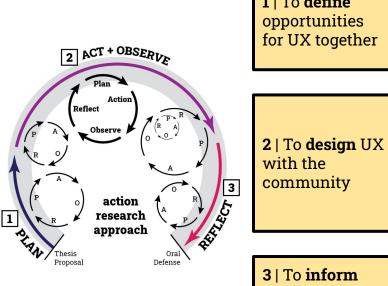
Pinoy Express (remittance) COMMUNITY SUPPORTERS Mary Help of Christians (Don Bosco) 聖母進教 之佑天主堂 No. 801, Yunong Road, East District, Tainan City, 701

#### BROKER

Chen Dard Group 董事長 李志鴻 (成大人力資源管理顧問有限公司南科 分公司) No. 38, Liantan North 1st Street, Shanhua District, Tainan City, 741 06-2706858 GOVERNMENT Labor Affairs Bureau of Tainan City Government

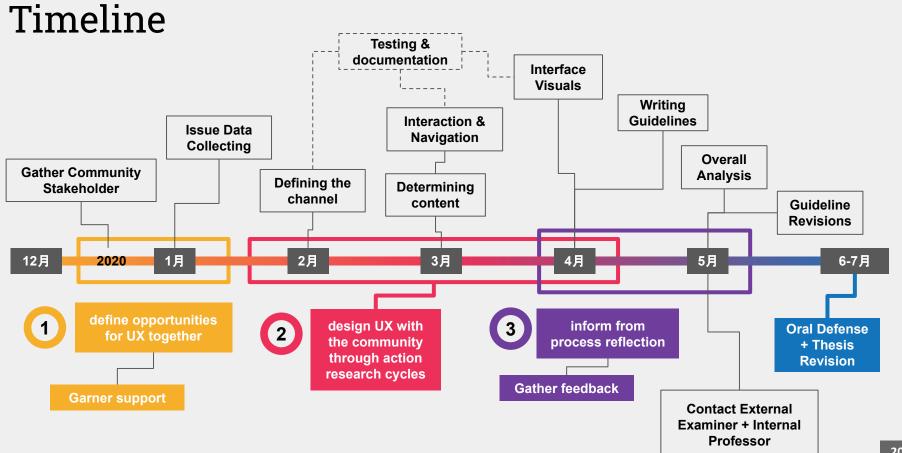


### Methodology



- 1 | To define opportunities for UX together
- **Focus Group** with community stakeholders
- Survey with migrant workers on tech and barriers
- F2F Interview with existing digital service prompts
- **Community Workshop** to generate UX ideas
- **Design workshop** with migrant workers to design UX
- In-the-field, group usability evaluation
- Use **collaborative**, **real-time wireframing** tools like Figma
- Journey Mapping to identify problem spaces
- Utilizing agile iteration tactics to design functions
- Using **lean** management tactics to maximize effort spent

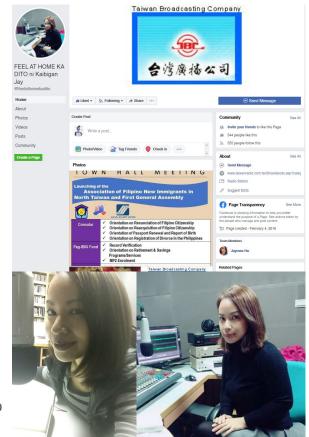
- 3 | To inform from process reflection
- Focus Group with community stakeholders
- **Closing** survey with community to gauge attitudes and POVs
- **Design Workshop** to sort through collected reflections



### Expert Interviewee: Radio Host

Jay Rose Ho or 'Kaibigang Jay'

- Born in 高雄 to Filipino immigrant mother (who was originally an overseas worker/OFW)
- Hosts "Feel at Home Ka Dito" Radio in Filipino (tagalog) on Taiwan Broadcasting Corporation since Feb. 2016
- Every Sunday AM-1323 (台北), AM-621 (桃園), AM-1206 (新竹), and Online (First broadcast: 6-7pm) (Rebroadcast: 9-10pm 大溪&關西)
- The show's 4 sections with Filipino folk music in-between:
  - 1. Current affairs (uses Chinese for employer-related matters) and sometimes weather,
  - 2. Broadcast of current news from the Philippines,
  - 3. Rules and Regulations (at least 15 minutes)
  - 4. Interview migrant workers (i.e. singing/talent contest winners, visiting artists, etc.) or Chinese learning
- Promoting the MOL-established 1955 telephone hotline, for migrant workers to make queries and file complaints
- Can submit questions or comments via <u>FB page</u>



### Q for Jay

(**issues/overall**) Do you think it's easier now for OFWs to work in Taiwan compared to how it was when your mother immigrated? How so? What's changed?

(**issues/problem**) Of all the issues that OFWs face, what would you say is the most pressing/biggest issue that OFWs face in adjusting to life in Taiwan?

(**issues/solution**) Is the government doing anything to counteract this? What about other social organizations? Overall, who's doing the best job of helping OFWs in Taiwan? (digital) My thesis is about prototyping an app/website that can help OFWs in Taiwan. What platforms and channels are the most used by OFWs in Taiwan?

(digital) Have you heard of PH's Project MECOnnect? It seems that the PH government released an app in 2018 for OFWs in Taiwan. Would do you think would be its most necessary features?

(**closing**) Do you have any contacts that you would recommend I get in touch with? Any suggestions for further research/development?

### MECO (Manilla Economic and Cultural Office)

MECO Youtube (mainly PH tourism)

#### Project MECOnnect 2018

"Town Hall Meeting"

"Taitung, we will bring our services to you on November 24, 2019."

MECO Kaohsiung MECOnnectors: Elsie Tsai, Tessie Su, Grace Fan, Elsa Roluna, Geraldine Chiu, Ligaya Lee

#### THE PHILIPPINES

"Foreign Consulates and Missions in Taiwan" (Other migrant worker countries only have one in TW)

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Institution/ MANILA ECONOMIC AND CULTURAL OFFICE, KAOHSIUNG EXTENSION OFFICE Address/ 9F.-2, No.80, Minzu 1st Rd., Sanmin District, Kaohsiung City Tel/ 07-3985935 • 07-3985936 Fax/ 07-3985929

Institution/ MANILA ECONOMIC AND CULTURAL OFFICE, TAICHUNG EXTENSION OFFICE Address/ 4F.-2A, No.239, Minquan Rd., Central District, Taichung City Tel/ 04-23029080 Fax/ 04-23029082

### 台中 Organizations for OFWs

Maryknoll Ministry to Foreign Migrant workers and New Immigrants in Taiwan ('Ugnayan') UGNAYAN MIGRANT AND IMMIGRANT CENTER

Founder: Father Joyalito Tajonera, M.M.



- We reach out to the foreign migrant workers, the new immigrants, foreign spouses and their families.
- We rent buildings for church, activities, training centers and shelters for foreign migrant workers.
- We provide free educational training to help improve the job skills of the workers (electronic repairs, carpentry, dressmaking), basic Chinese language, leadership formation, lectures and seminars.
- We partner and network with other church groups and NGO's in doing advocacy for migrant workers' rights and government agencies for trainings.

### 台北 Organizations

One-Forty <u>2015 Story</u> (<u>CH</u>) Founder: Kevin Chen 陳凱翔

Brilliant Time Bookstore Founder: Zhengzhang 桃園 Organizations

Hope Workers' Center (2007 TWnews)

### 台南|政府 Labor Affairs Bureau

Taiwan Workforce Development Agency Informati...



#### **TAIWAN / TAINAN**

Labor Affairs Bureau of Tainan City Government Project Director: Wang Xinji 臺南市政府勞工局局長 王鑫基



### Q for Tainan Labor Affairs Bureau

(**issues/overall**) Do you think it's easier now for OFWs to work in Taiwan compared to how it was when your mother immigrated? How so? What's changed?

(**issues/problem**) Of all the issues that OFWs face, what would you say is the most pressing/biggest issue that OFWs face in adjusting to life in Taiwan?

(**issues/solution**) Is the government doing anything to counteract this? What about other social organizations? Overall, who's doing the best job of helping OFWs in Taiwan? (digital) My thesis is about prototyping an app/website that can help OFWs in Taiwan. What platforms and channels are the most used by OFWs in Taiwan?

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### **Brokers**

#### Chen Dard Group 董事長 李志鴻

(成大人力資源管理顧問有限公司南科分公司)

No. 38, Liantan North 1st Street, Shanhua District, Tainan City, 741

06-2706858

#### **Golden Brother**

Tainan: No. 164, Siwei Street, Yongkang District, Tainan City, 710

06-2332062

### **Ethics**

Mutual respect (acceptance of each other)
 Equality and inclusion (enabling & encourage)
 Democratic participation (process contributing)
 Active learning (for all, opportunity to learn)
 Making a difference (promote good changes)
 Collective action (work together to achieve)
 Personal Integrity (behave reliably & honestly)



#### **Consent Forms**

### **UX Process**

- 1. User Research (Research)
- 2. User Personas (Analysis)
- 3. Create the stories/scenarios/maps (Analysis)
- 4. Wireframing (Info Design)
  - a. User Testing
- 5. Interactive Prototyping (Structural Design)
  - a. User Testing
- 6. UI, visual design, delivery (Visual Design)
  - a. User Testing
- 7. Metrics Analysis
- 8. Usability Testing

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27	06/28						07/04

### References

### Thank you!

(\*only including those not in the proposal booklet)

#### Photos

2015 06 Lennon Ying-Dah Wong 2015 Elaine Huang I Call Taiwan 2017 05 clark667788 2017 05 One-Forty Bảo Nguyên 2017 Hong-zen Wang Who Treats 2018 09 One-Forty INFOGRAPHIC 2018 Cathy Teng TPM Oldersters at the Height 2018 Lin Shenavi OPINION 2018 Nick Aspinwall Dancing to Break the Chain 2018 Nikkei Japan Immigration 126 measures 2019 12 9 One-Forty FB 2019 J Zach Hollo Meet the 2019 Nick Aspinwall Southeast Asian 2019 One-Forty 他是 Mandala 2019 One-Forty 從逃跑移工到人權英雄 Tainan Labor Affairs Bureau Logo Chen Dard Group Logo

#### Screenshots

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#### Digital Opportunity

TRANSFORMATIVE TECHNOLOGY FOR MIGRANT WORKERS (2018)

#### **Tainan Focus**

雙語國家 Bilingual Nation FB NIA Tainan's Migrant Workers Advocacy Digitalized, Booklet with Four Languages for Migrant Workers to Live and Work in Peace (data) THE STATISTICAL YEAR BOOK OF TAINAN CITY LABOR DEPARTMENT 2018

#### CBPR

SPECIAL ISSUE: Three Models of Community-Based Participatory Research (2013 Leonard Davis Institute of Health Economics) RRI Tools (n.d.) How to co-create community-based participatory research (diagram 2007) Ethical Dilemmas in Community-Based Participatory Research: Recommendations for Institutional Review Boards

#### **Potential Community Partners**

Mary Help of Christians Church (catholic.org.tw) Don Bosco Church FB Google Maps Yes123求職網 | 成碩人力資源管理顧問有限公司 (2017) Taiwan - Activities on behalf of Filipino migrants in the Salesian Parish of Mary Help of Christians (2015) 3679(III)\_Salesians of Don Bosco and the Taiwan Migrants

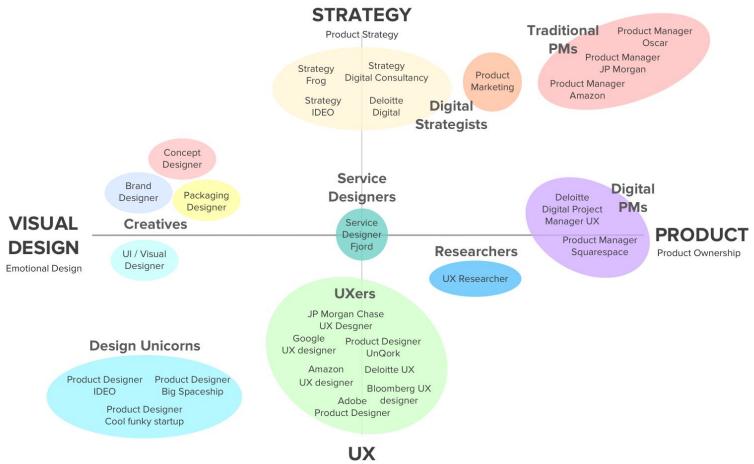
	People	Nationality	Industry
1	199,676	Indonesia	Social Welfare Industry
2	56,268	Philippines	Electronic parts & components
3	54,065	Vietnam	Fabricated metal products
4	31,338	Philippines	Social Welfare Industry
5	28,571	Vietnam	Social Welfare Industry
6	23,710	Vietnam	Machinery & equipment
7	17,627	Indonesia	Fabricated metal products
8	16,379	Vietnam	Plastics products
9	16,087	Vietnam	Food products & prepared animal feeds
10	14,456	Philippines	Fabricated metal products
11	13,993	Thailand	Fabricated metal products
12	11,698	Philippines	Computers, electronic & optical products
13	10,525	Vietnam	Textiles
14	9,223	Indonesia	Agriculture, forestry, fishing & husbandry
15	6,715	Vietnam	Motor vehicles & parts
16	6,484	Philippines	Machinery & equipment
17	6,102	Vietnam	Rubber products
18	6,076	Thailand	Basic metals
19	5,946	Vietnam	Basic metals
20	5,685	Indonesia	Machinery & equipment

Source: Workforce Development Agency, MOL.

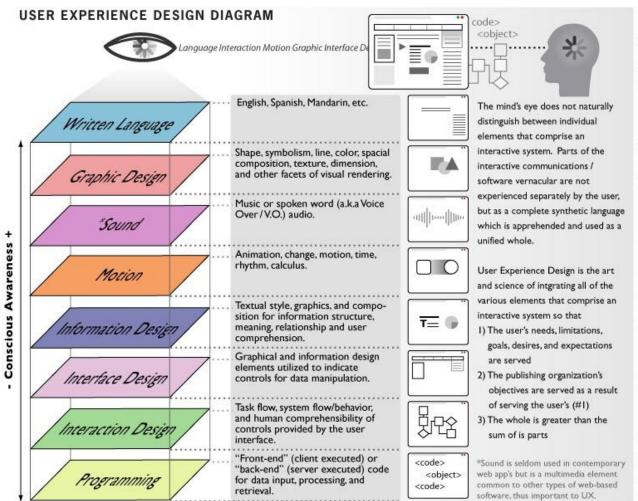
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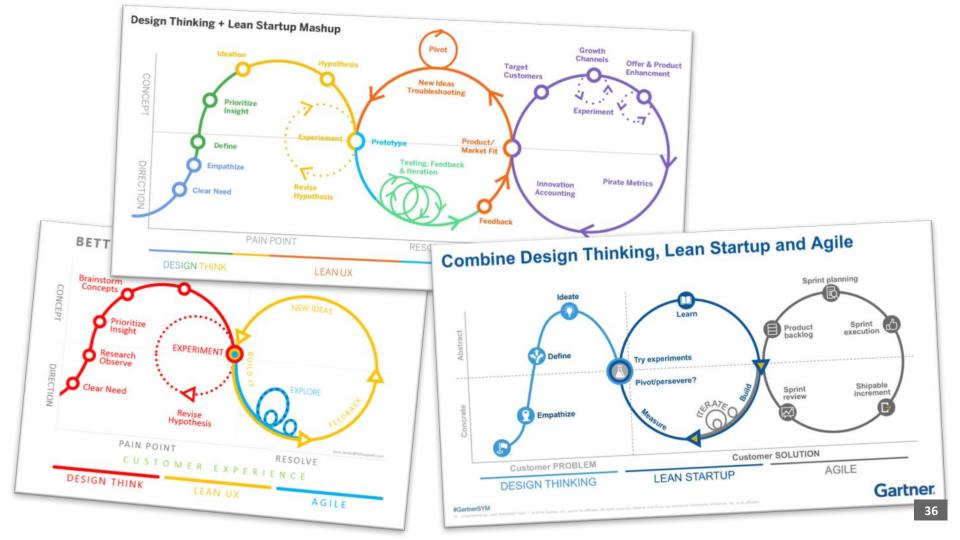
#### Box 29.1 Principles of Community-Based Participatory Research

- 1. CBPR recognizes community as a unit of identity.<sup>5,6,8,15</sup>
- 2. CBPR builds on strengths and resources within the community.<sup>5,6,8</sup>
- 3. CBPR facilitates a collaborative, equitable partnership in all phases of research, involving an empowering and power-sharing process that attends to social inequalities.<sup>5,6,8,16,17</sup>
- 4. CBPR promotes co-learning and capacity-building among all partners.<sup>5,6,8</sup>
- 5. CBPR integrates and achieves a balance between research and action for the mutual benefit of all partners.<sup>5,6,8</sup>
- 6. CBPR emphasizes the local relevance of public health problems and ecological perspectives that attend to the multiple determinants of health inequities.<sup>5,6,8</sup>
- 7. CBPR disseminates findings to all partners and involves them in the dissemination process.<sup>5,6,8</sup>
- 8. CBPR requires a long-term process and commitment to sustainability.<sup>5,6,8</sup>
- 9. CBPR addresses issues of race, ethnicity, racism, and social class and embraces cultural humility.<sup>5,6,18</sup>



**Functional Design** 











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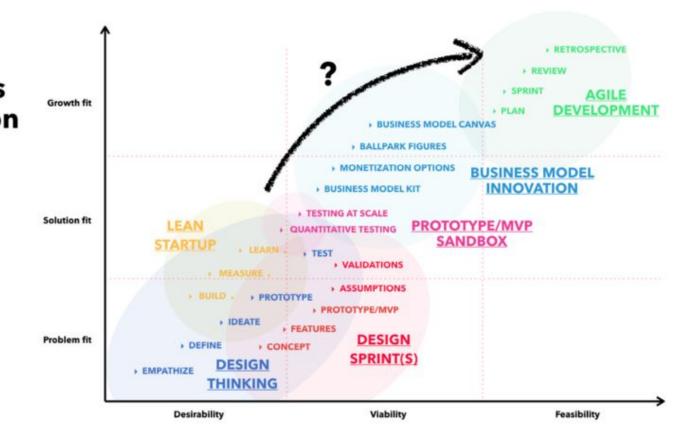
DESIGN SPRINT(S)

PROTOTYPE/MVP SANDBOX

BUSINESS MODEL

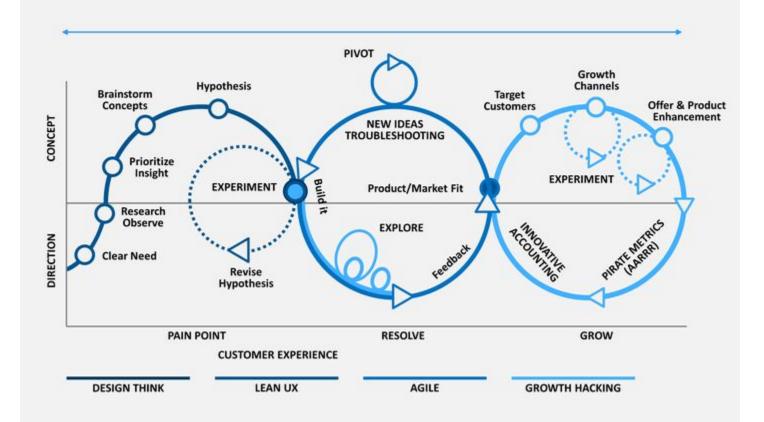
INNOVATION

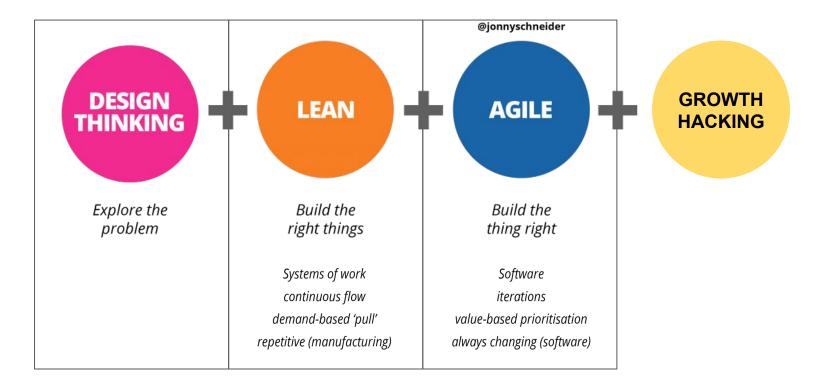
AGILE DEVELOPMENT



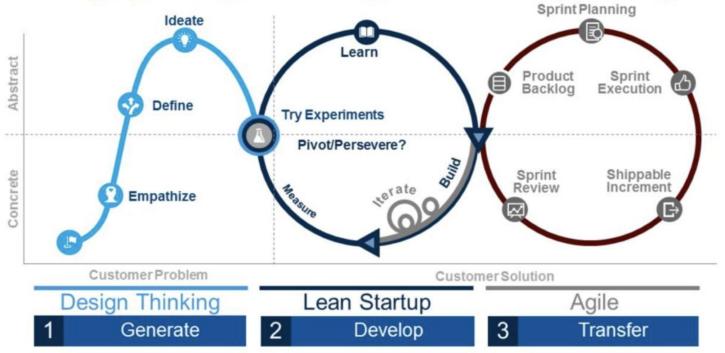
#### LEAN STARTUP

Enter your sub headline here





### Gain Competitive Advantage by Learning and Experimenting, and Leveraging Design Thinking, Lean Startup and Agile



For more details on this research, see "Enterprise Architects Combine Design Thinking, Lean Startup and Agile to Drive Digital Innovation."

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