Café Pro

Project Phase 3

By

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**A Report Submitted in Partial Fulfillment of
the Requirements for**

ITCS336 Human Computer Interface

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I.   System Prototype Description:

Based on the previous phase, we already get the app requirement, design the flow and discuss the specification to be included with the customer. In this phase, we will design the system prototype for the Android app called "Café Pro" which includes two main functionalities such as (1) finding the coffee shops and (2) ordering the coffee on this application. The prototyping will use these two main functions as the guideline and add some interactions to them.

- We use software called **Adobe XD CC** as a prototyping tool for our project.

II.   Usability Specification

1. **Welcome screen:** Figure 1 will just show up when user open the application and will move to next screen when they touch on it.
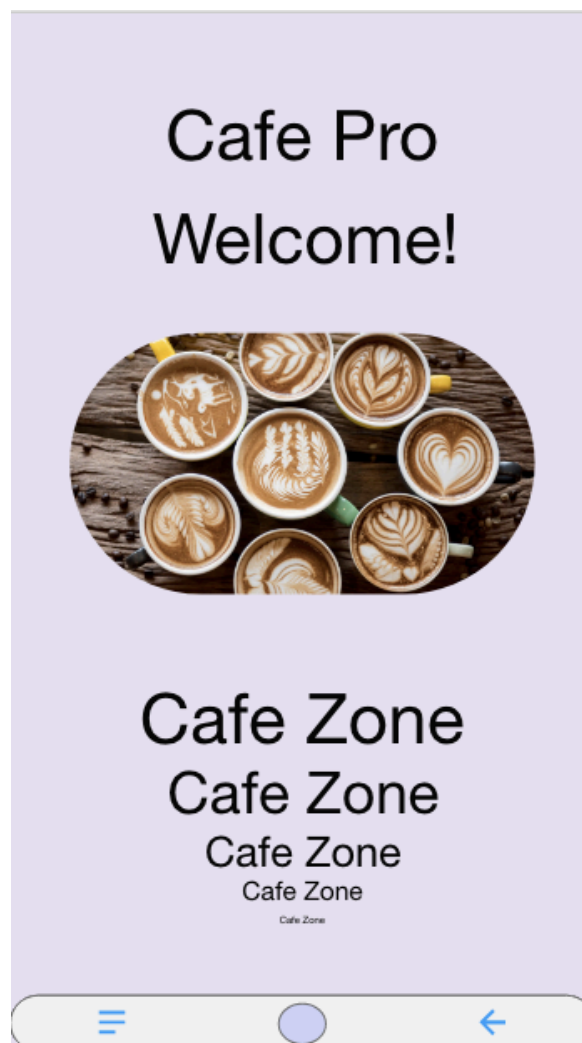

Figure 1.1

2. **Home Screen:** This will show the parts as describe below:
   - **In figure 2.1**
     a. The blue rectangle at the top left corner consists of menu icon = you can click the icon to open menu.
     b. show all the coffee shops those nearest the users with all brand. More, user can search the coffee by typing on the search box that we provided on map.
   - **In figure 2.2:** Menu before Login
     a. It consists of User profile, Email of user, Account, Order, Alarm to pick up a cup of coffee, Setting, Help&feedback, and Login. Unfortunately, user can edit anything before sign in. When user click any function then it will show the screen of Login.
   - **In figure 2.3:** Menu after Login consists of item such as:
     - Account: it will show detail of user information and they also can edit them
     - Order: It will show all the coffee brand such as Amazon café, true coffee etc.
     - Alarm: User will see all the time that they have done ordering and they can modify the time to go to pick up a coffee or they can cancel the ordering as well when they click on it. Furthermore, it shows summary of ordering too.
     - Settings: you can adjust notification options, change theme and color or else
     - Help&feedback: if you want to know the instruction in case you don't understand how to use.
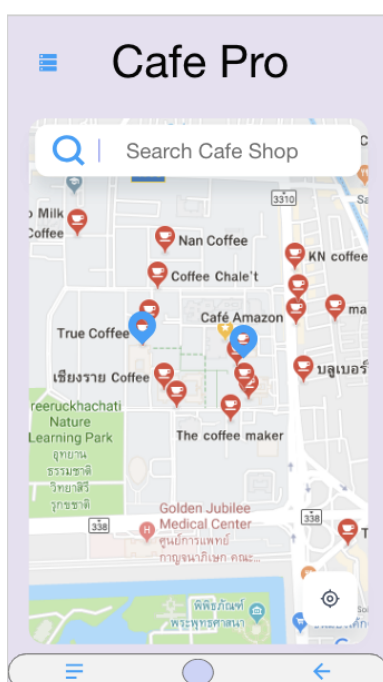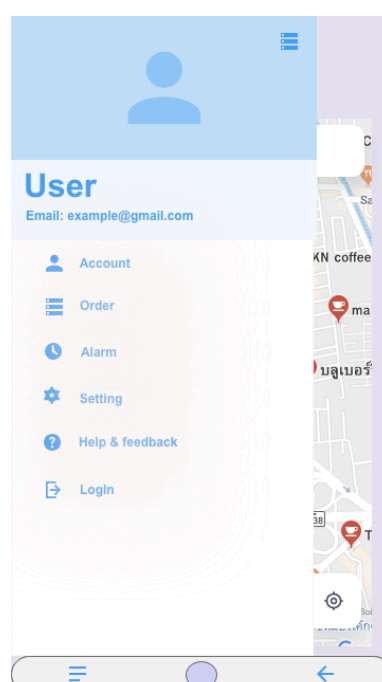   - LogOut: when user click on it then it will go to Logout page like figure 2.2.
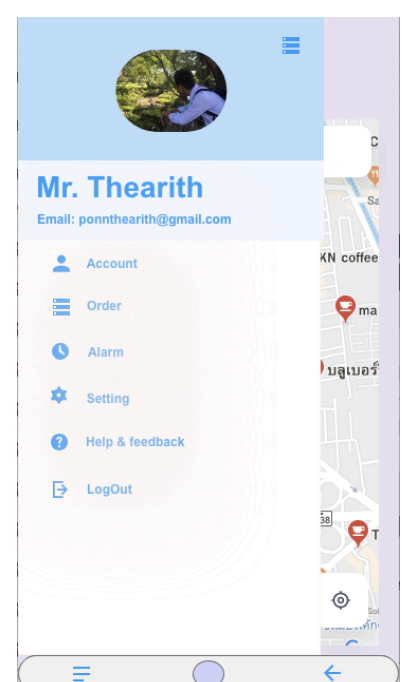
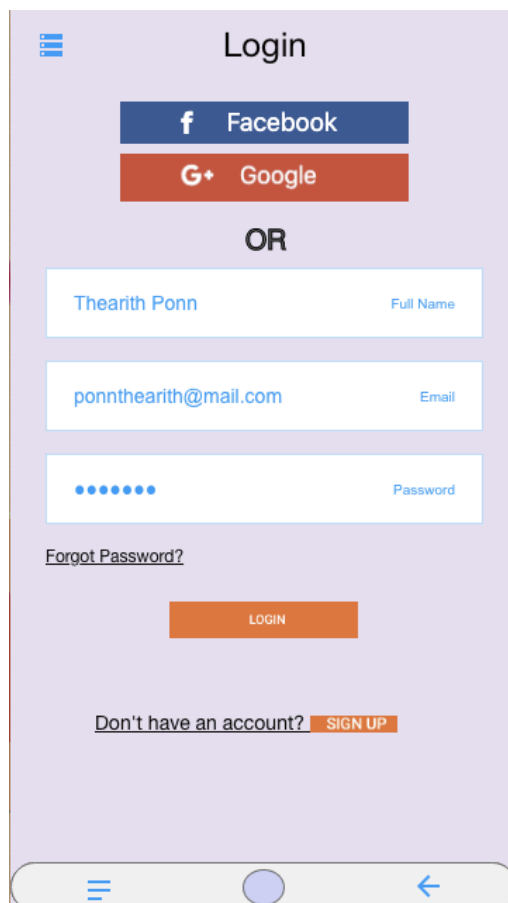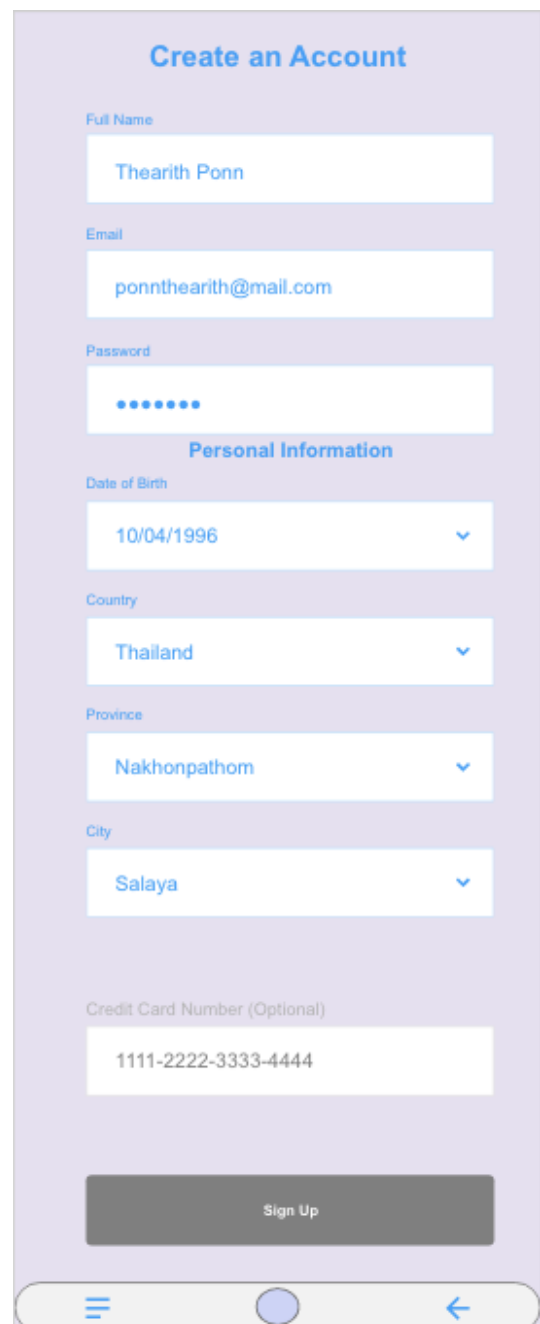| Figure 2.1 | Figure 2.2 | Figure 2.3 |

3. **Log in/Sign up**:

   - we provide various options for user like login via facebook, email, their account (figure 3.1).
   - If they don't have account then they can create one just click on SIGN UP (figure 3.2). it will show the sign up page and it required user input some own information such as Fullname, Email, Password, DoB, Country, Province, City. Moreover, if user want to using online payment, user need to add his or her credit card number. It's ok if user don't want to add his or her credit card because it's just optional for user.

Figure 3.1

Figure 3.2

4. Ordering process: We provided to process flow to order a cup of coffee and payment.

   a. <u>The first process (figure 4.1):</u> user just click the coffee shop on the home page then it will show the list of coffee for that shop. User can choose any kind of that shop menu with the kind like hot, Cold, Frappe and the amount that they want. After that user click Next to do the payment and set up the time to go to pick up those ordering. User can pay by Cash at shop or uses Credit Card. User need to add their Credit Card first before they can online payment.
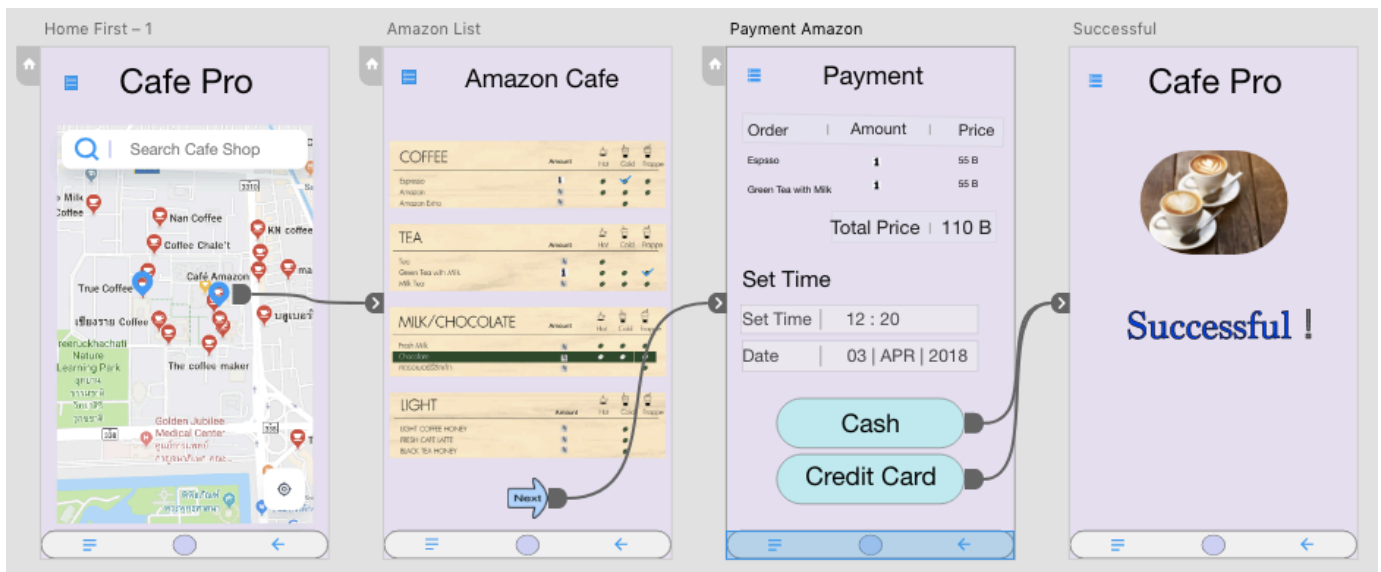

Figure 4.1

   b. <u>The second process (figure 4.2):</u> it looked a bit longer. User go to Home page and click on Menu placed at the top left corner then it will show the it all show all the function. Next, user need to click on Order then it will show all the brand names. User can click on a brand that like then will allow user to choose which shop that they want to go to pick up. After that it will show the list of coffee for that shop. User can choose any kind of that shop menu with the kind like hot, Cold, Frappe and the amount that they want. After that user click Next to do the payment and set up the time to go to pick up those ordering. User can pay by Cash at shop or uses Credit Card. User need to add their Credit Card first before they can online payment.
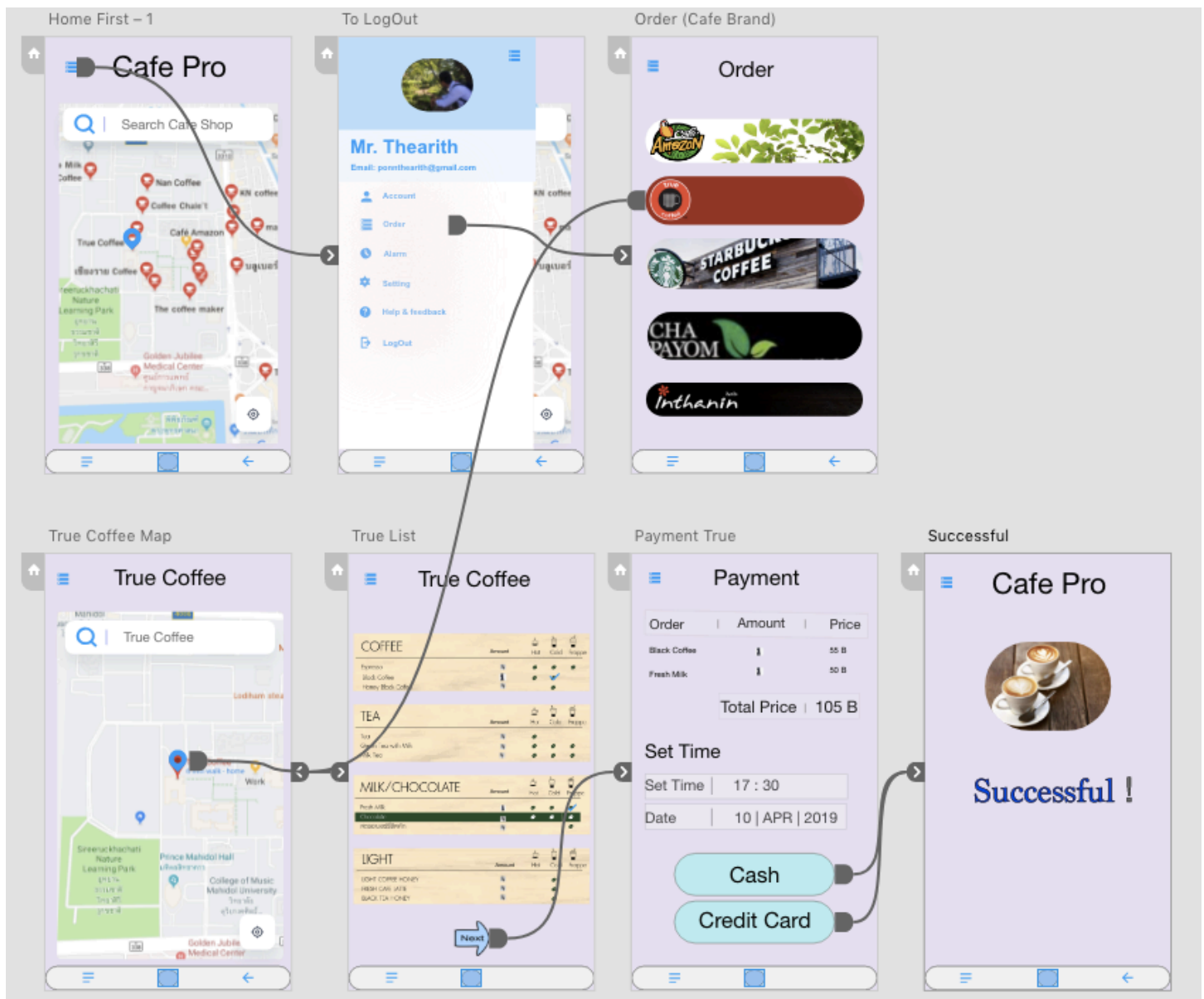
Figure 4.2

III.   Discussion Challenges

   The difficulties that we faced during the design of this prototyping basically related to experience since we don't have much experience about it and to find the right software to proceed this project and how to use the software to implement our prototype. We spend a week to find the software to use and another week to learn and implement Café Pro App prototyping. This sometimes we cannot design follow what we want it to be because of the limitation in design tool, to solve this we need to make the design more simple and buildable. Other thing maybe about the requirement, since from the previous step, there are a lot of things missing (not complete) in term of the design screens. Over time, we need to not do it alone, but work with users as well to embed their like or wants, then adjust it on the prototyping itself.

One example of the adjustment is the setting up time (select date & time) that we actually don't want what it is now, but we want as in the picture given (right) where allow users to just scroll up and down to select date or time, but reality, to us, we cannot do.

31	Dec	9999
14	Jan	2016
15	Feb	2017

IV.   Initial Evaluation Plan

Name	Function	Description
User profiling	No name, age, education, job, culture, technology-centric	We record all this information to help us evaluation, mapping and generalize
Functionality lists	Log in, Log out, Sign up, ordering, edit account, modify ordering (Alarm), Setting, Help&feedback	These functionalities are what we will use evaluate our system.
Prototype	Image of each app interface	We use images of each function and ask users to see if they understand without instruct them what to do
User feedback	Qualitative format	Will ask user some questions about their ideas
Number of users	N/A	Will conduct 3 or more users evaluation

*** User feedback: The questions to ask users, we will basically just ask user to from every screen a few questions:

- Do you understand how to proceed the button or what it is?
- How easy you think this screen help?
- What is your suggestion or what you like it to be?