

Links to our test videos:

sub1: https://youtu.be/V0OpV17BZ_Y

sub2: <https://youtu.be/IlGRn5aq8HQ>

sub3: <https://youtu.be/TRzUD0PI8n4>

sub4: <https://youtu.be/MbL3sxSDkg0>

Link of introduction video of our Adobe XD model:

<https://youtu.be/B8l8n-VDCgQ>

Summary

The purpose of this study is to test the paper prototype of our restaurant kiosk product. It was an experiment study that test five scenarios to see the performance of our product. After running this project, our team has collected the results and data for 4 subjects. Generally speaking, this study goes very well and helps us know more about our products. Our product has many advantages while there are still many places to improve.

First, our product is easy to use. Everyone can get access to our product and manipulate it easily. During the five scenarios of this test: sign in, category list, single item page, shopping cart, payment, there is no frustration for any of 4 subjects. All went smoothly. According to our observational worksheets. We can see 4 participants choose no for the problem 'Any time user look frustrated'. However, there is still limitation for our test and results. Because our 4 subjects are all young males. It can not represent all kinds of people. We are still not sure if some people like elderly can still operate our product without any frustration. So in the future, we need to do a test for more people. Subjects should include all ages, all genders and all races. This is beneficial to our product.

Second, there is no need to waste a lot of time using our product. We can see our observational worksheets. Take login as an example.

		Are the functions working properly?		
Name	Note taker	1. Enter valid username and password 2. Click Login	Able to complete scenario?	Time spent
	1 Yuzhou Wu	Yes	Yes	9s
	2 Yuzhou Wu	Yes	Yes	6s
	3 Yuzhou Wu	Yes	Yes	4s
	4 Yuzhou Wu	Yes	Yes	5s

We can see that all time spent in login is no more than 10 seconds. Conditions are similar for other scenarios. Except is that for single item scenario, subjects usually take 20-30 seconds. We analyzed this condition, it may be due to that for single item page, there are so much information in it. In conclusion, it will not take much time to use our product.

Last, our product has four payment options and our subjects has tried 3 of them. All went very well and there is no frustration during this process. It proves our functionality work very well. Below is our observational worksheet.

		Are the functions working properly?
Name	Note taker	1. Select one of the payment type a. Cash b. Credit card c. Apple Pay 2. b. Insert card c. Use mobile device to pay
	1 Yuzhou Wu	Cash - yes
	2 Yuzhou Wu	Apple Pay - yes, Insert card - yes
	3 Yuzhou Wu	Credit Card - yes, insert card-yes
	4 Yuzhou Wu	Credit Card - yes, insert card-yes

However, there are still some complaints about our product. One subject complained about our sign in functionality. He/she said there is no need for this functionality. Although it seems useless at this point. This sign in functionality is for the future. In the future, we plan to use data analysis to help build customized combination for different user, so we need to store the information of user. Also, we can find one subject complained about the combination. This problem will be solved after we introduce our data analysis functionality.

In conclusion, we learnt a lot from this test, not only for our product prototype, but for the test itself. In the future, we will setup a more detailed study to try to help improve our product.