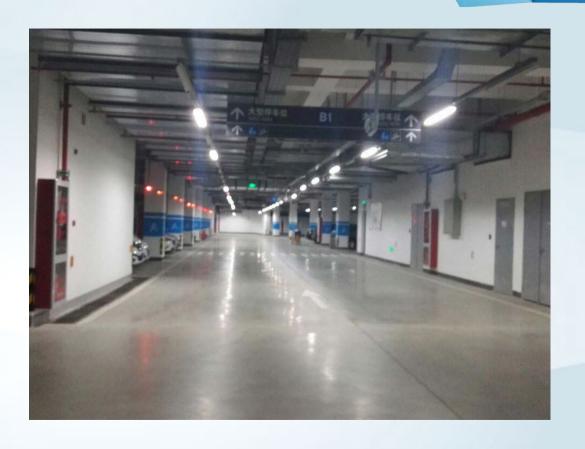


Why it's hard to find the way??!



Definition?

Assumptions?

Underground Parking Lots

Pain Points?

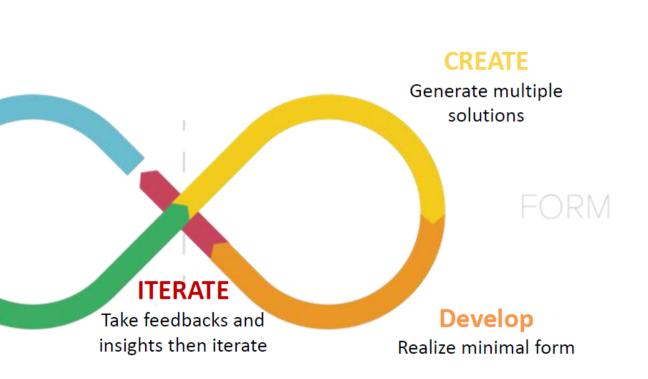
SENSING

Explore the context

CONTEXT

DEFINE

Identify and reframe the core issue







Desk Research

Week 3

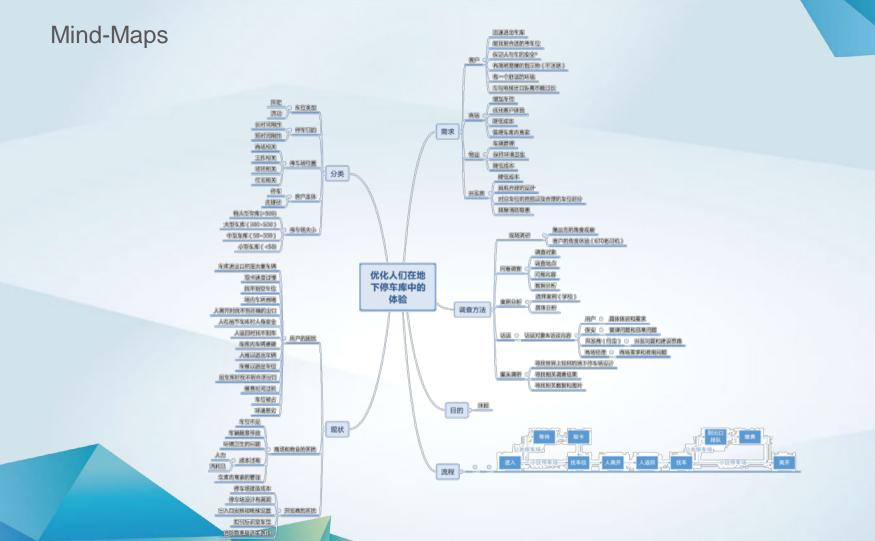
Field Research

Week 4&5

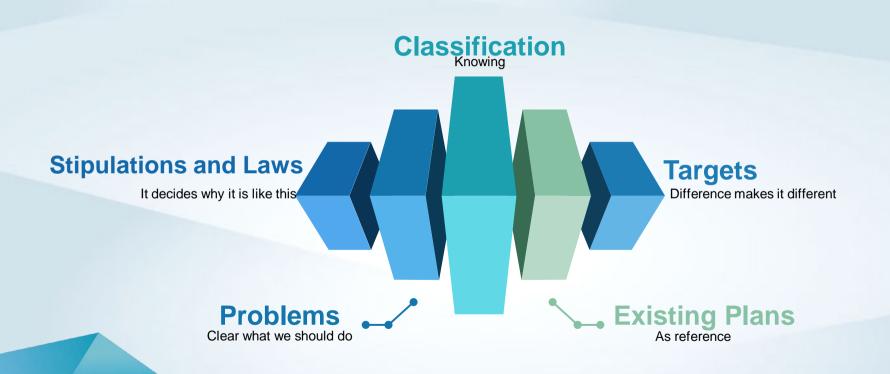


Mind Map

Week 3



Desk Research



Field Research

1.您(作为司机或乘客)是否有过在地下停车库内找不到路标的情况? [单选题]

选项	小计	比例
有过	465	81.44%
没有	106	18.56%
本题有效填写人次	571	



2.您(作为司机或乘客)**是否曾经视**费较长时间(10 分钟以上)在停车场找到 自己的车? [单选题]

选项	小计	比例	
没有	151	26.44%	
有	352	61.65%	
没有车	68	11.91%	
本题有效填写人次	571		



Interviews



Design

Based on the mind map and desk research results. Lu Qiming's is the primary designer of the questions.



Interviewees

We choose interviewees from different area and different occupations. This variety results in the data collected from interviewees is extremely different, both on their reasoning and choices.



Method

We carried out two face-to-face interview and two telephone interviews. An extra interview happened during one face-to-face interview providing many useful facts.



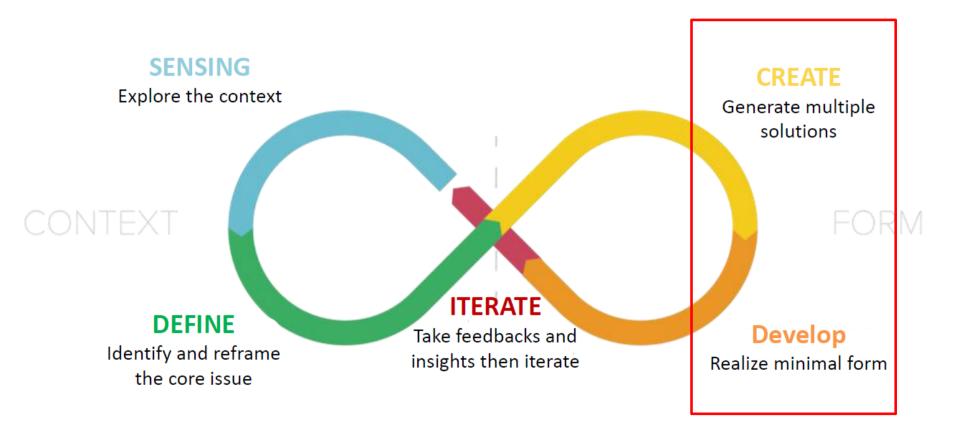
Interview

Liu Run acted as interviewer and Qiu Yuan took notes.

The method of interview has a great impact upon the quality of interviews. It is obvious that face-to-face one is better; however, there is still gaps between the interviewer and interviewees.

Existing Problems

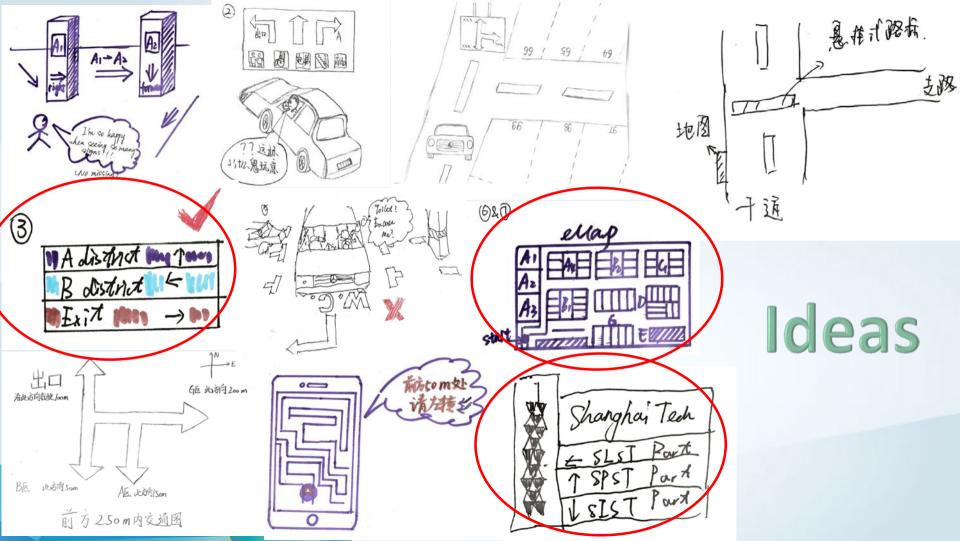




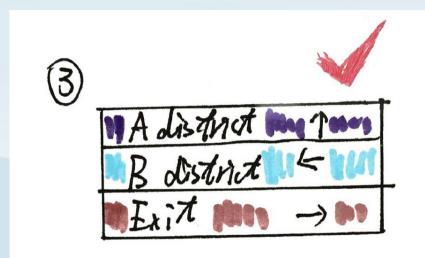




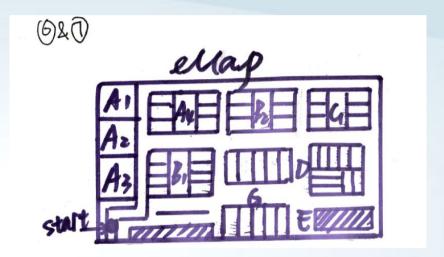
Modeling Week 9



Road Signs

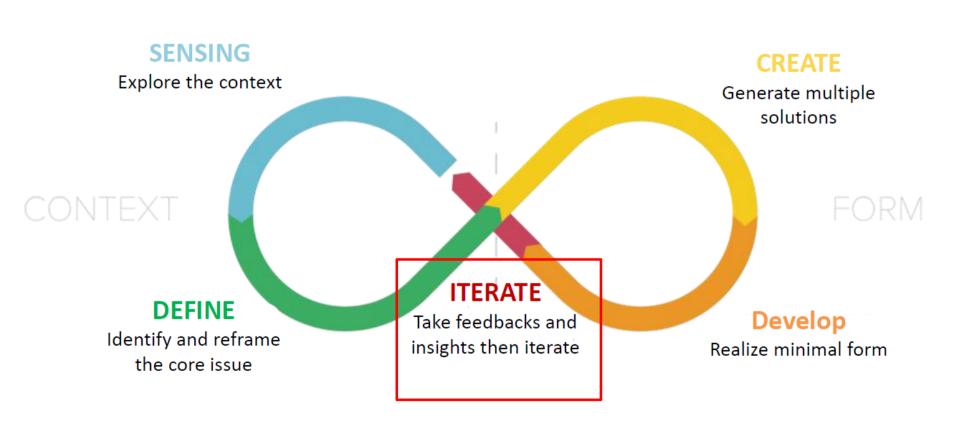


District Designs









App prototype



Platform

WeChat Mini Program.

This eliminate the need of developing both iOS and Android app, thus halving the budget.



Localization

Land Mark.

While this is slightly less convenient, it avoids the problem of inaccurate Wi-Fi in-door localization and deploying AP.



Budget

Estimated budget is RMB 15,000, with a potential of going up to RMB 50,000, depending on the need of parking lot owner.

