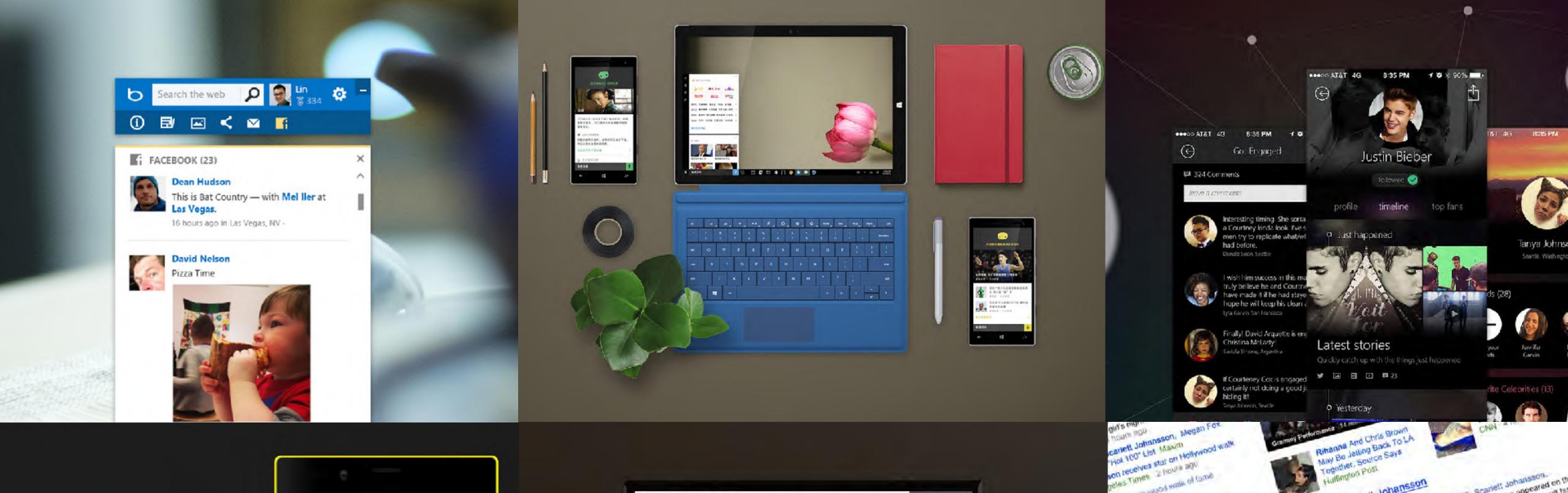


让你的产品更智能、更个性化

高霖 微软 资深设计主管

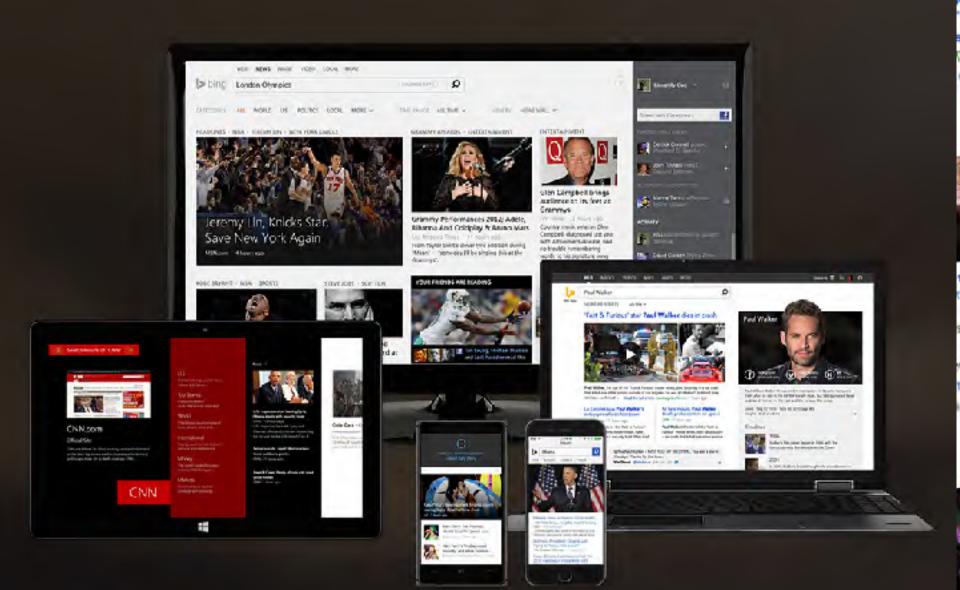


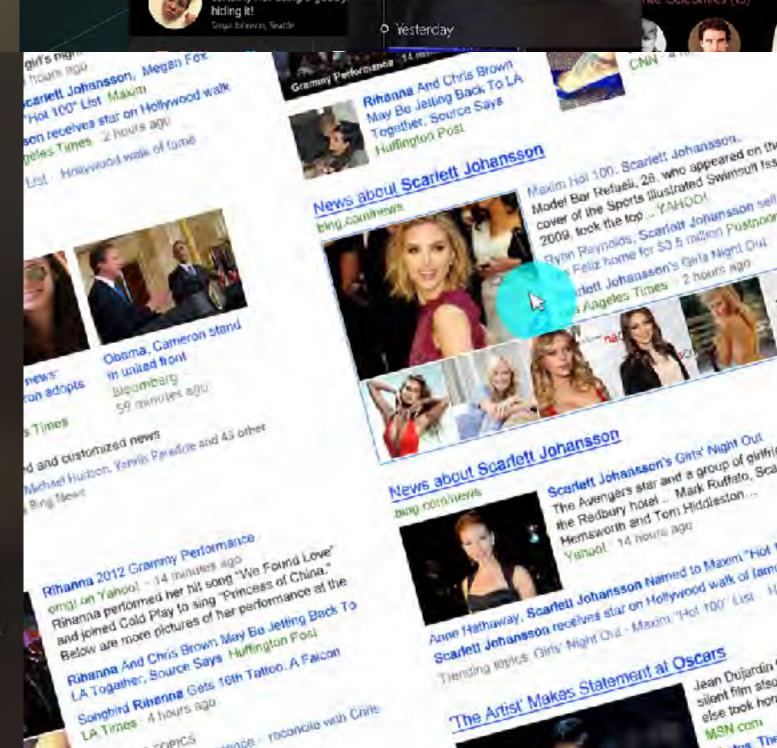










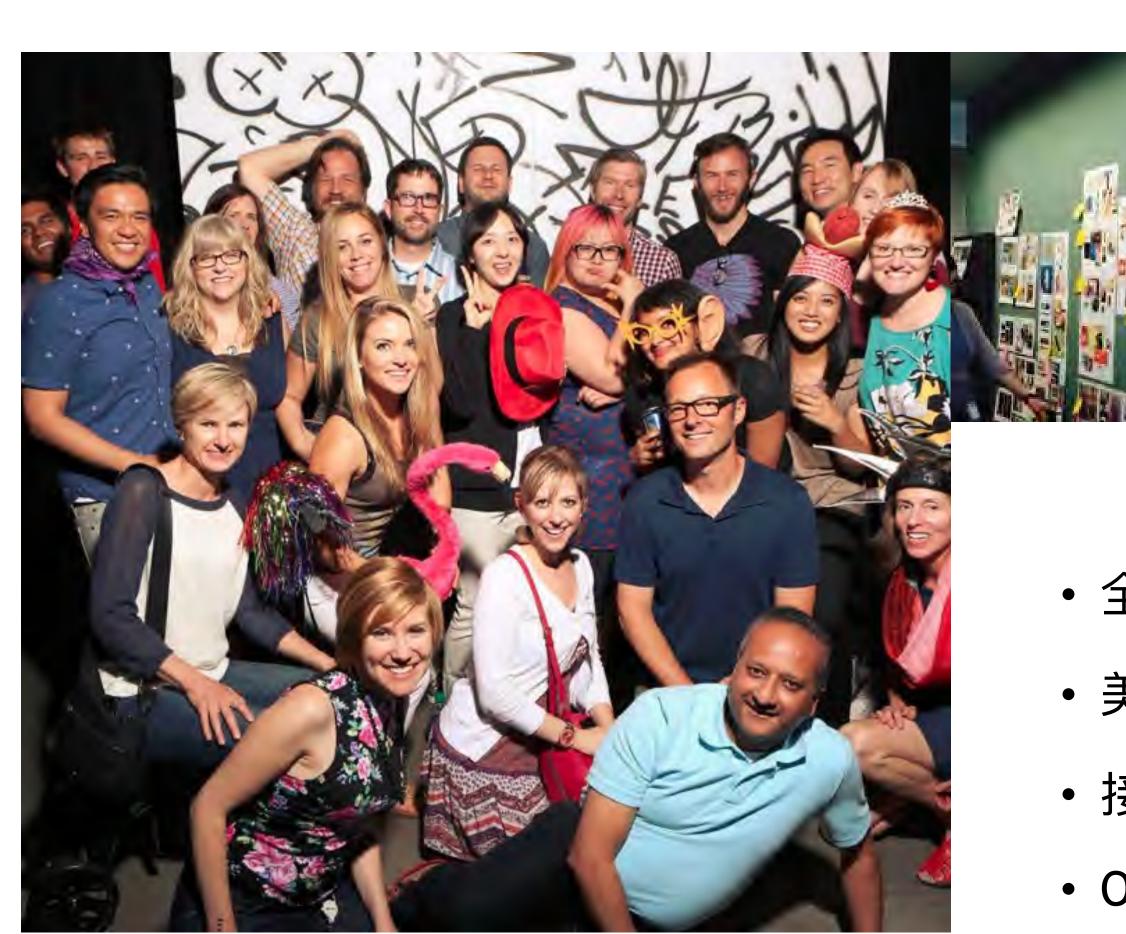


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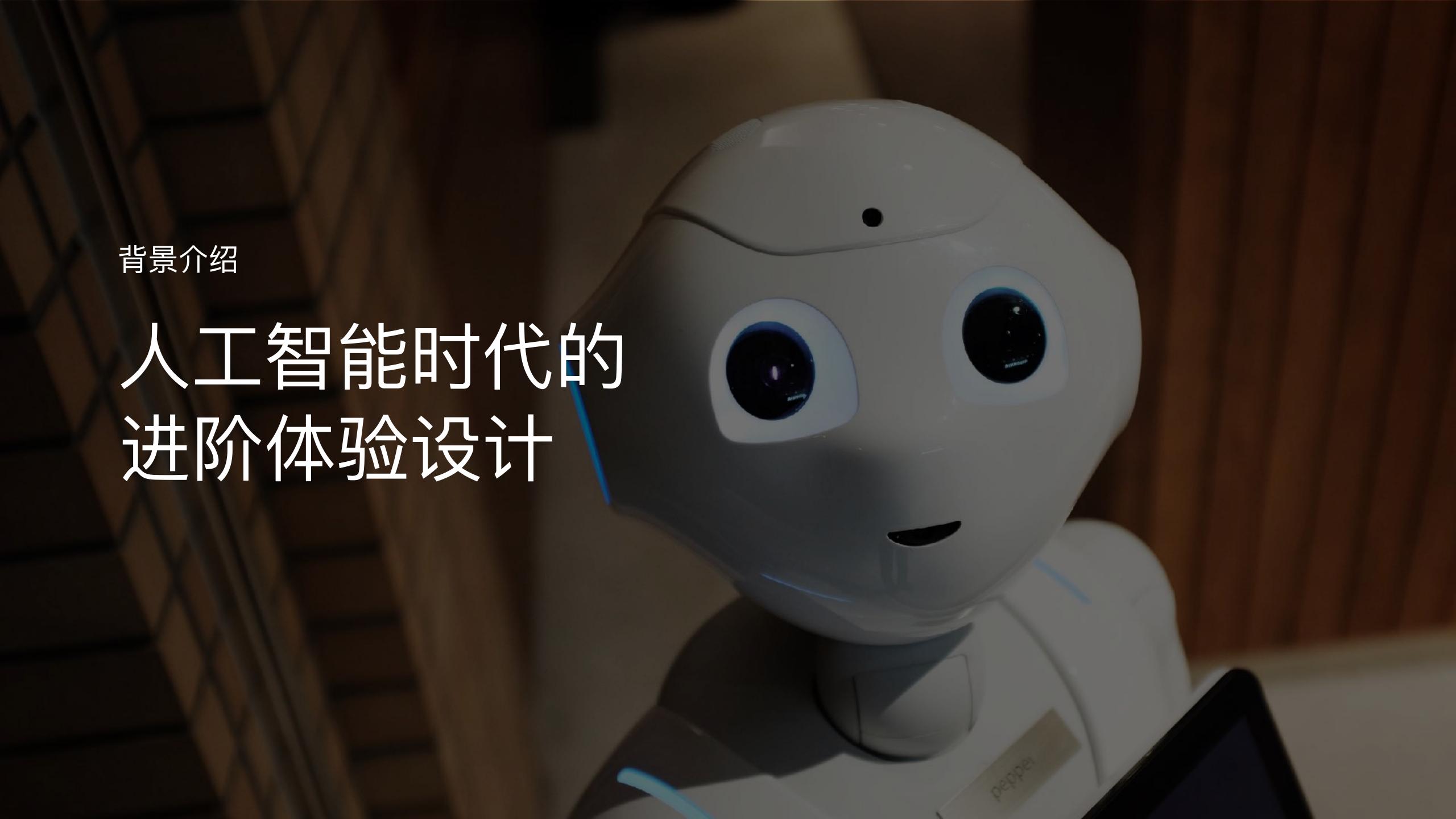
MSN com Photos Th

必应设计团队介绍





- 全称 R.E.D (Research Editorial Design)
- 美国西雅图, 硅谷, 纽约, 北京, 印度和以色列
- 接近200人
- One Microsoft, Windows, Office, Cortana, CRM, etc.





人工智能

它是研究、开发用于模拟、延伸和扩展人的智能的理论、方法、技术及应用系统的一门新的技术科学。实现模拟人类的智力和能力的技术。



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机器学习

专门研究计算机怎样模拟或实现人类的学习行为,以获取新的知识或技能,重新组织已有的知识结构使之不断改善自身的性能。它是人工智能的核心,是使计算机具有智能的根本途径。



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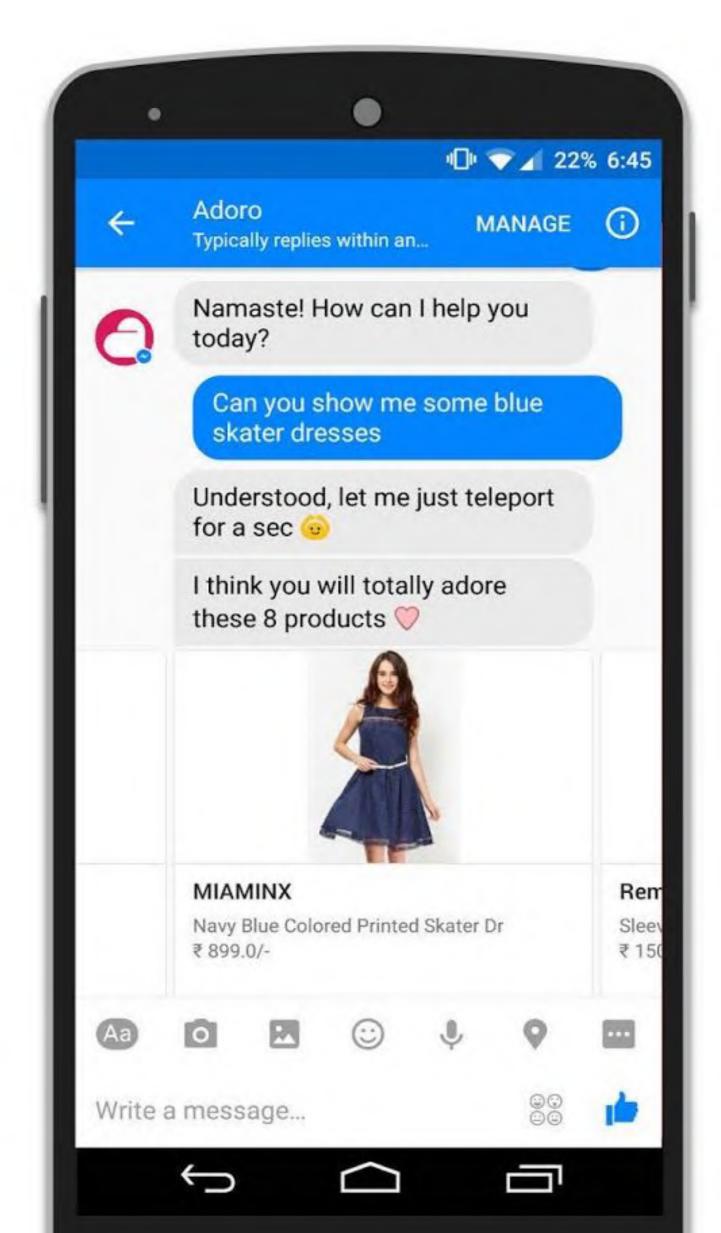


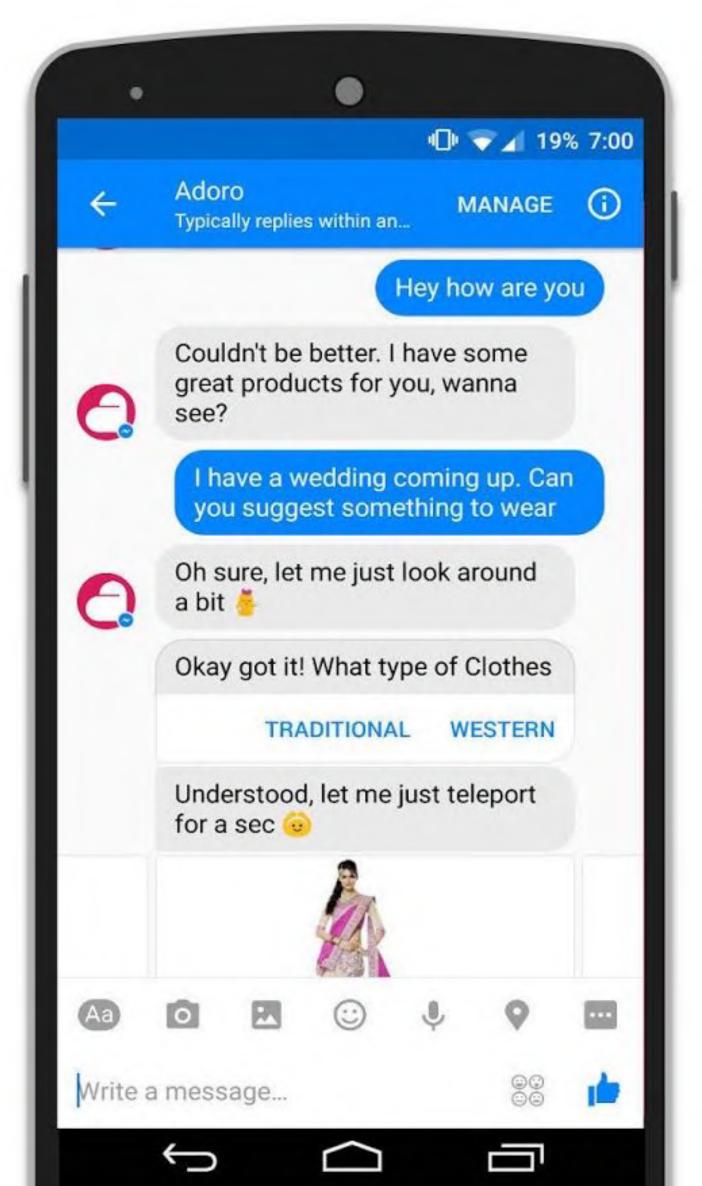
What does it mean to design?

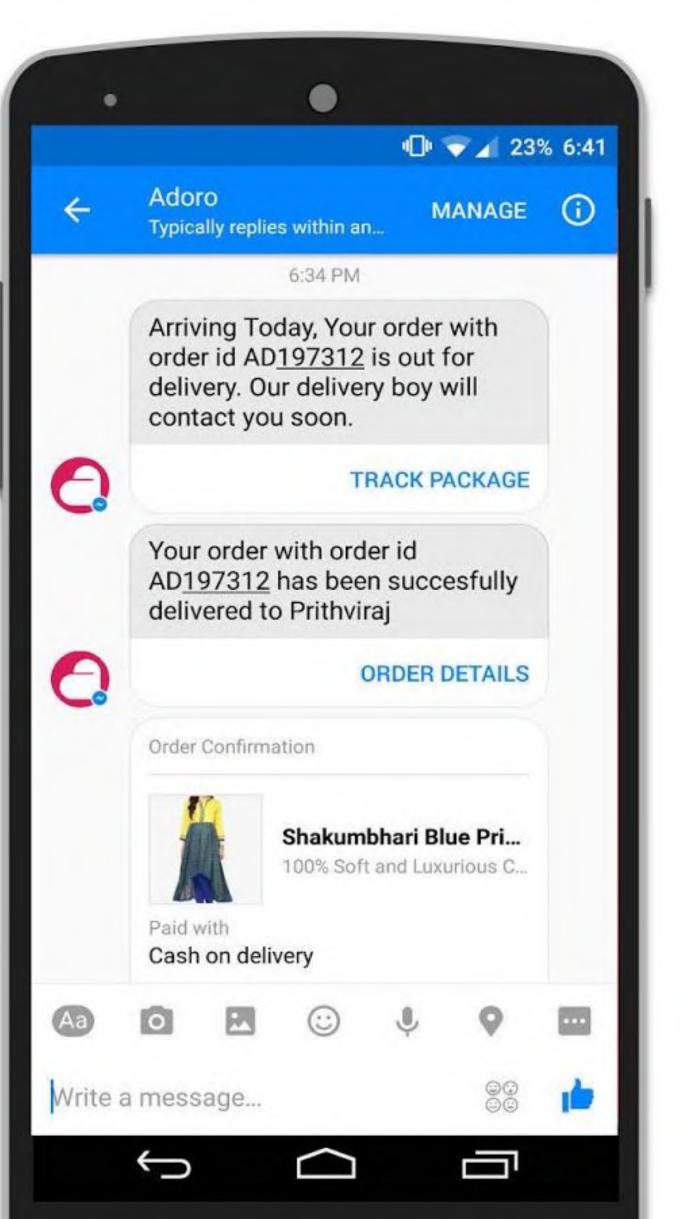


"No matter how cool your user interface is, it would be better if there were less of it."

Alan Cooper



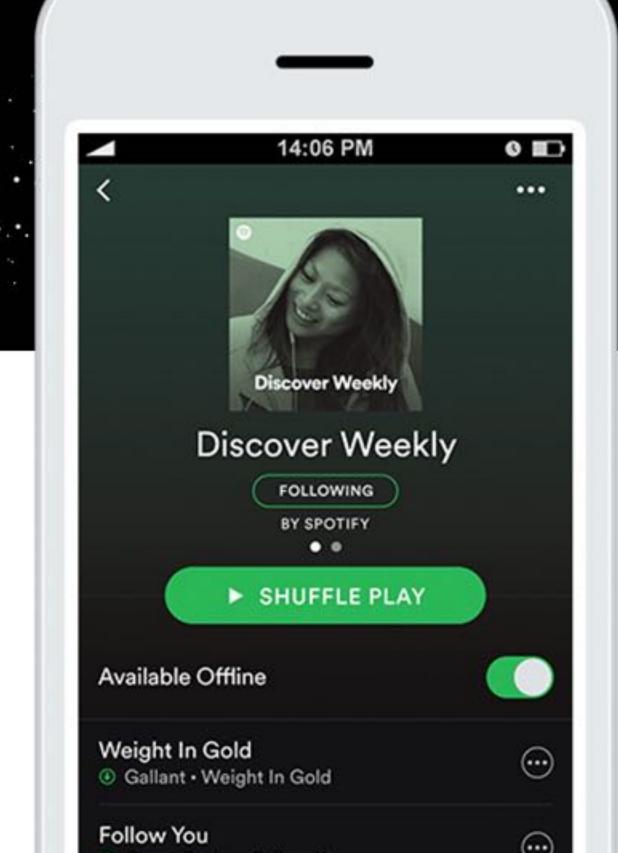


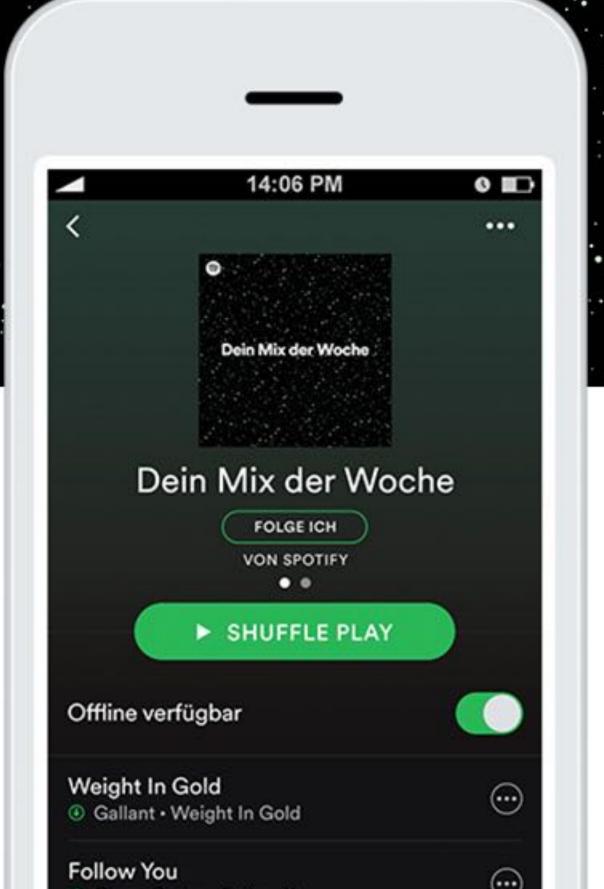




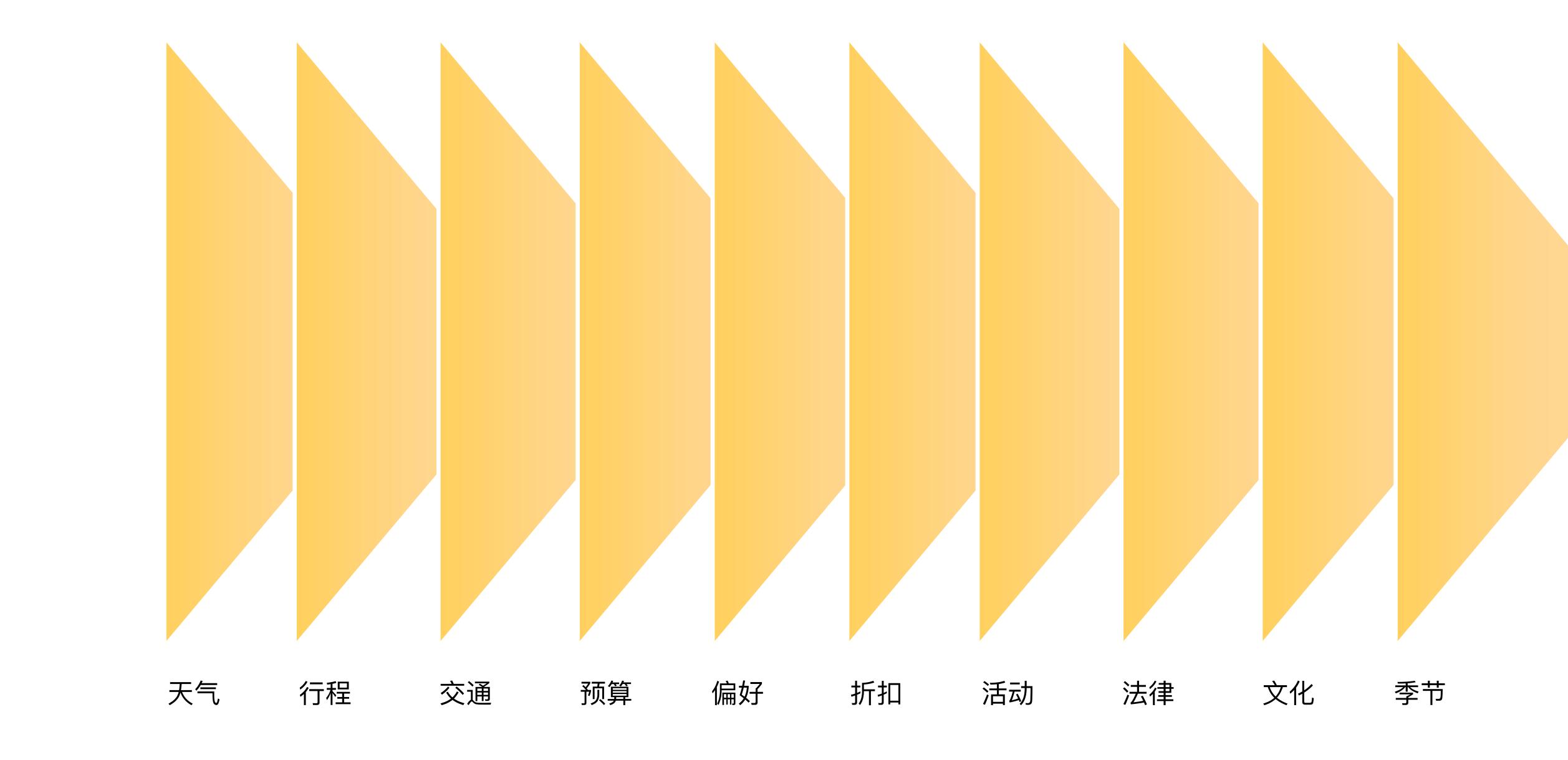


Discover Weekly











工作坊时间安排

时间	内容	备注
9:00 10min	开场介绍和工作坊安排	
9:10 20min	大背景介绍	选择题目
9:30 60min	可预期的体验	练习
10:30 60min	数据驱动的个性化	练习
11:30 10min	自动化的内容开发	
11:40 20min	人工智能时代的设计师	Q&A

开始我们的练习,选择一个产品开始改进设计

即时通讯









社交网络











共享经济











新闻资讯







线上销售









你的产品?





预期性设计 Anticipatory Design

创造一套简单的逻辑使产品简单易用

Developers have been championing the **Don't Repeat Yourself (DRY)** and **Keep It Simple, Stupid (KISS)** principles for years, and it's time to bring that painless logic to the way our users interact with what we're building. Give it some thought: if we ask users to complete a task more than once within any given process, isn't that an **inefficient use of their time**? Similarly, isn't it redundant to ask someone what they prefer when you have collected that information in the past?

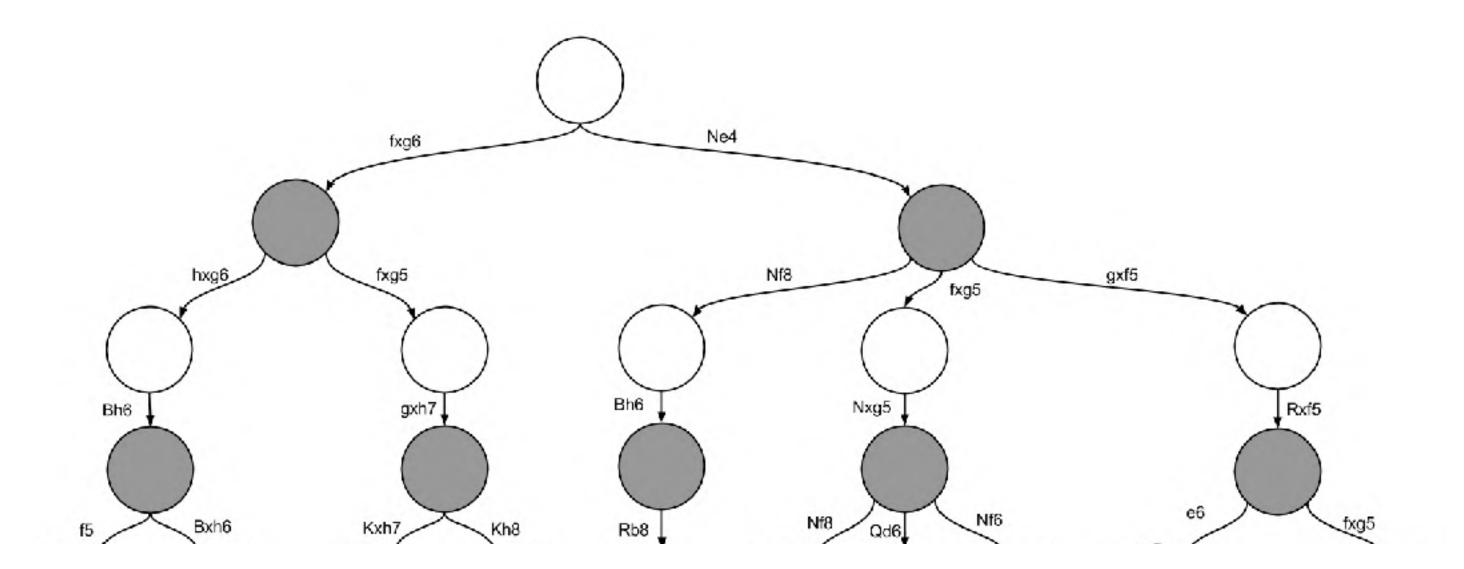
In psychology, we use the term **cognitive load** to describe the amount of mental effort being used in the working memory at any given moment in time. For everyone involved in user experience design, cognitive load is a crucial consideration. Are we doing everything in our power to relieve the strain caused by learning something new to use our product? How can we reduce the number of elements that our users need to worry about at any given time? Reducing cognitive load is one of the cornerstones of anticipatory design, as it helps create a more pleasurable experience by foreseeing our users' needs.

It looks like you're writing a letter.

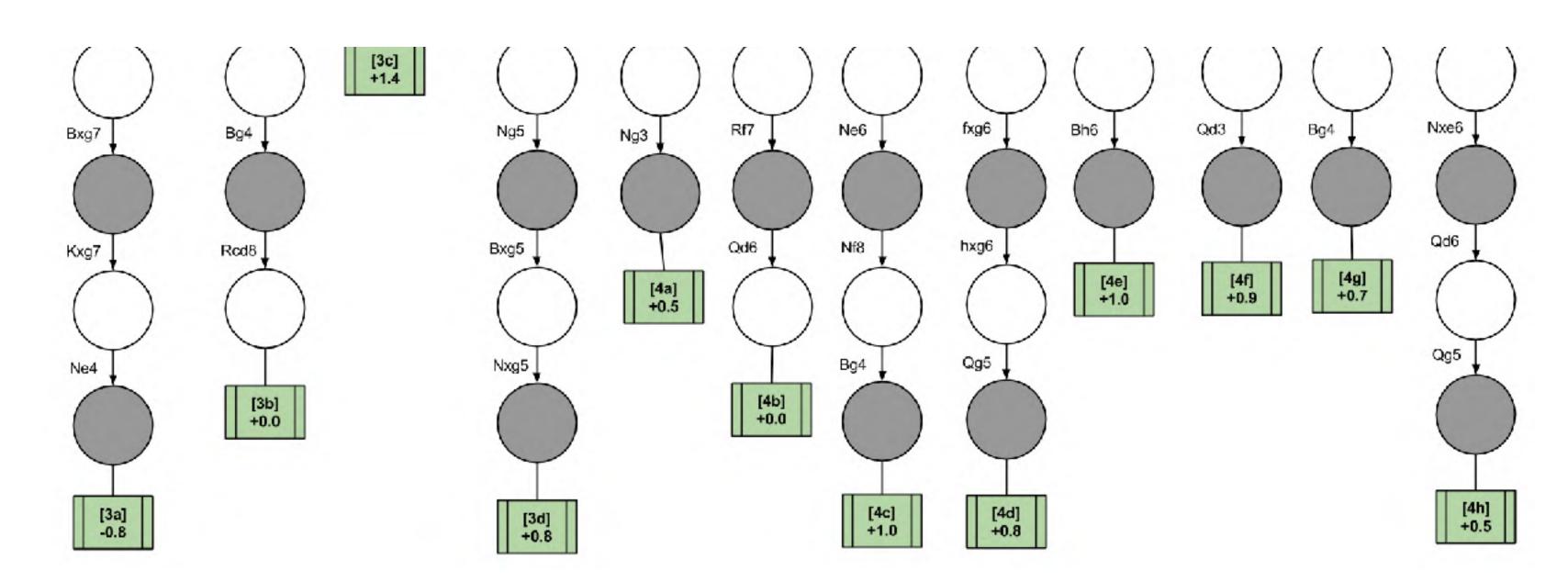
Would you like help?

- Get help with writing the letter
- Just type the letter without help
- Don't show me this tip again





If users do X, then show them Y.



If users do X, then show them Y.

用户行为或 数据输入

User behavior & Input data

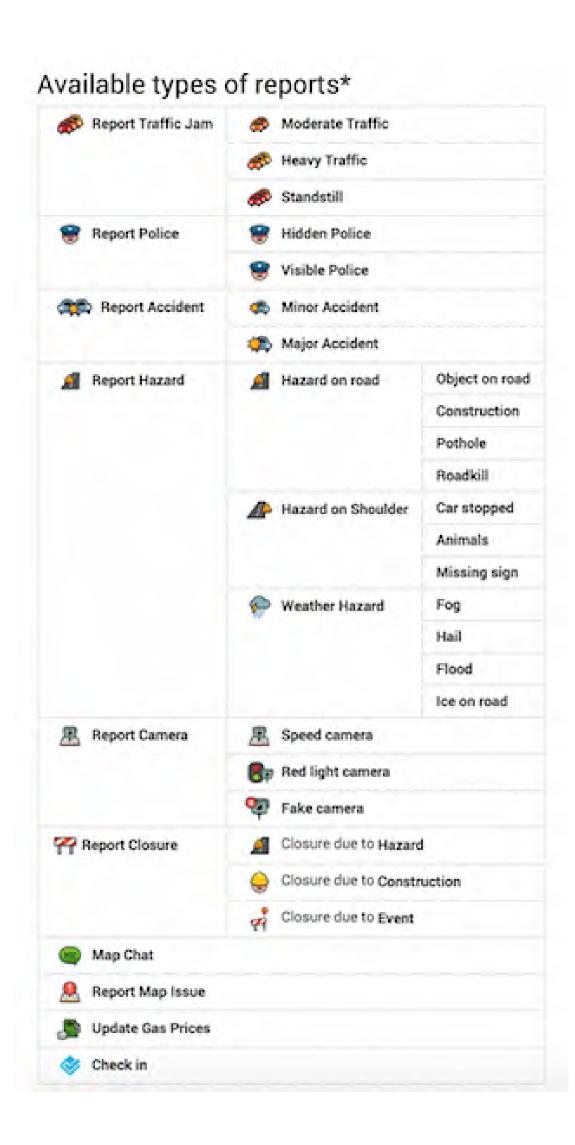
固定的逻辑

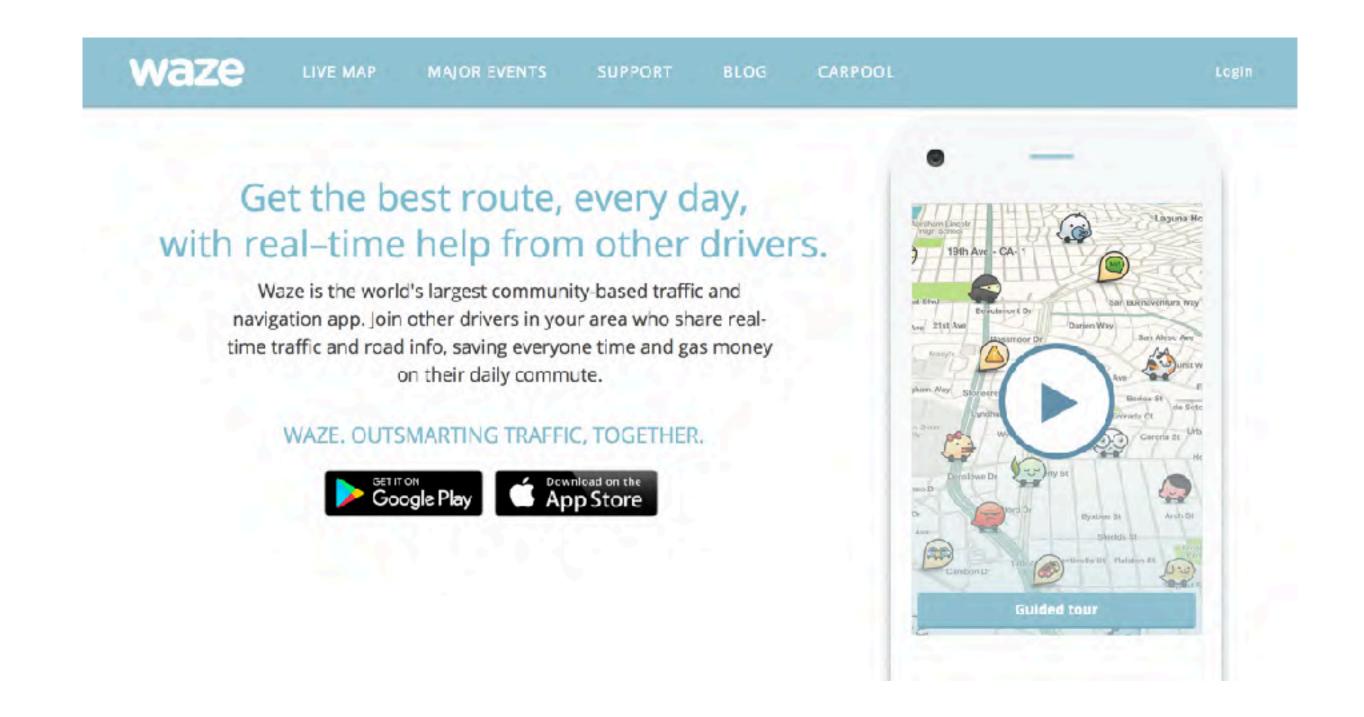
Fixed Logic

产出结果

Outputs

Navigation service - Waze





The founders of Waze, a popular navigation app, noticed that people could use one another's feedback to drive smarter. They went on to create an interface where drivers can not only warn one another about impending issues (traffic jams, accidents, police ahead, among others), but also communicate openly via messages.

There are several elements of anticipatory design in Waze, but some of the most outstanding include: a warning when the car is moving and someone is typing (should always be a copilot); alerts when other drivers have experienced issues; and live notifications when a better route is found. The fact that the app is constantly looking for better routes based on user feedback is, in and of itself, a highly successful anticipatory feature. Once you set your destination in the app, you can basically just lean back to focus on your driving.

Retail service - Brita & Amazon

Your filter alert and your \$3 coupon are ready to go. View online.

CONGRATULATIONS,

your filter reminder has been activated

Laura, thanks for setting your alert. Now you'll always remember to replace your filter and enjoy refreshing, great-tasting water. Log into **Brita.com now** to claim your coupon.

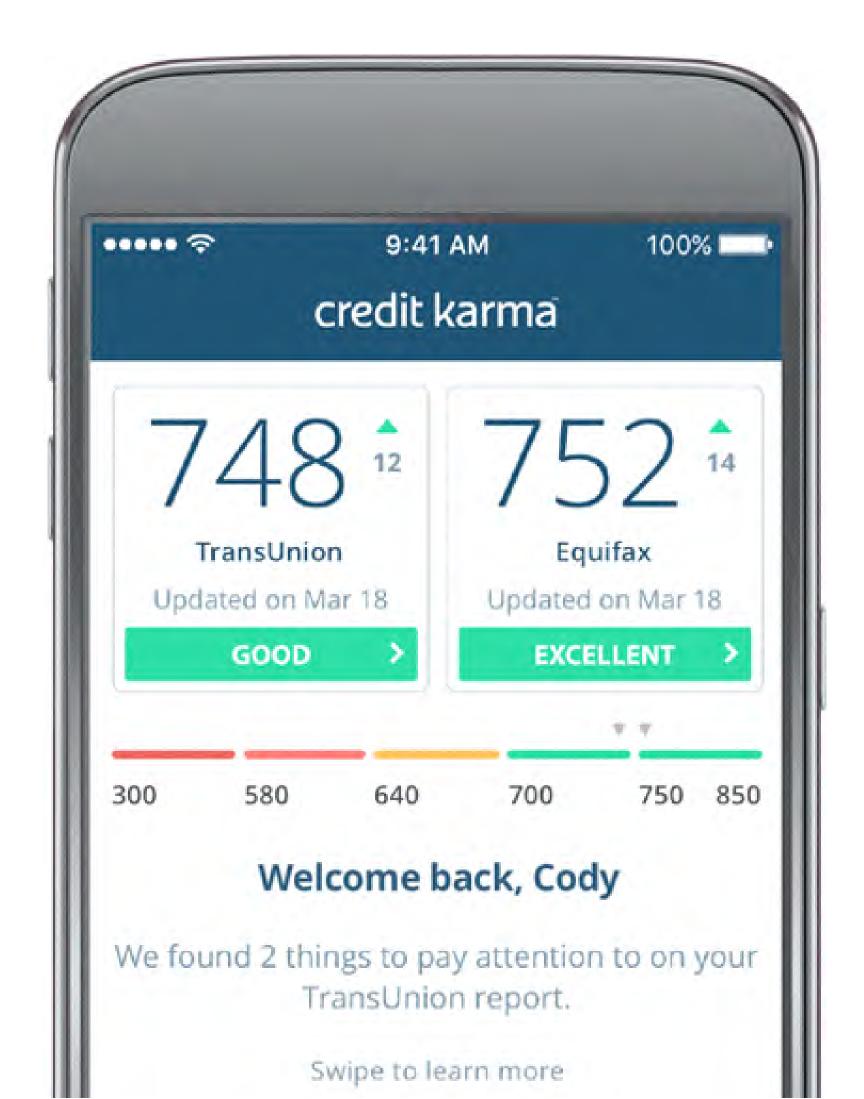


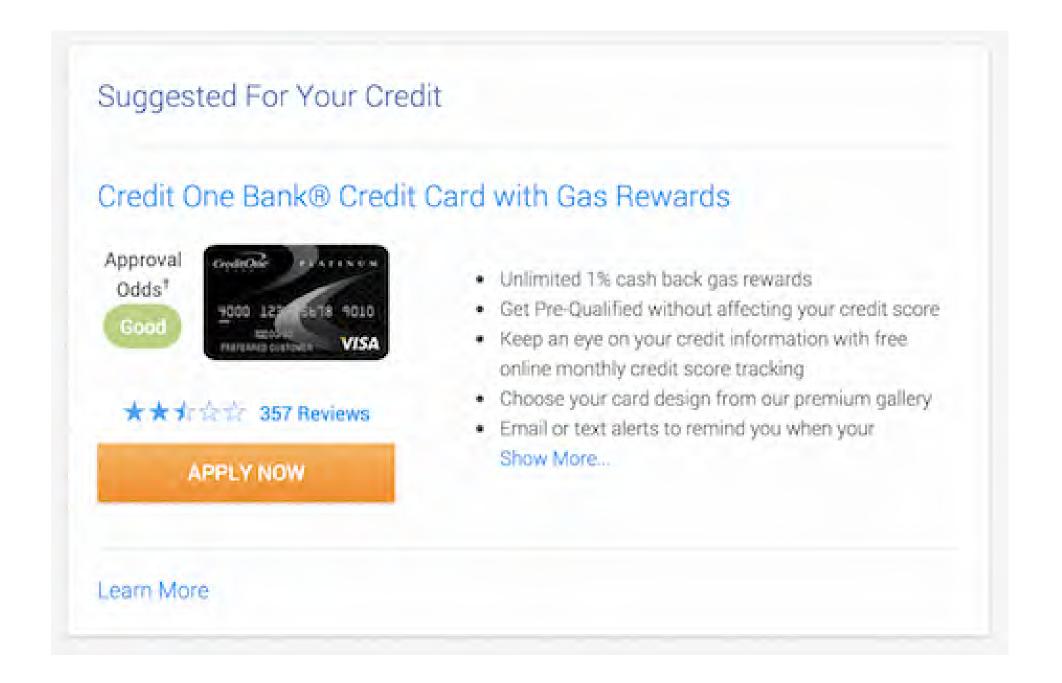
Also, remember to visit your My Brita page to see the latest offers we've lined up for you.



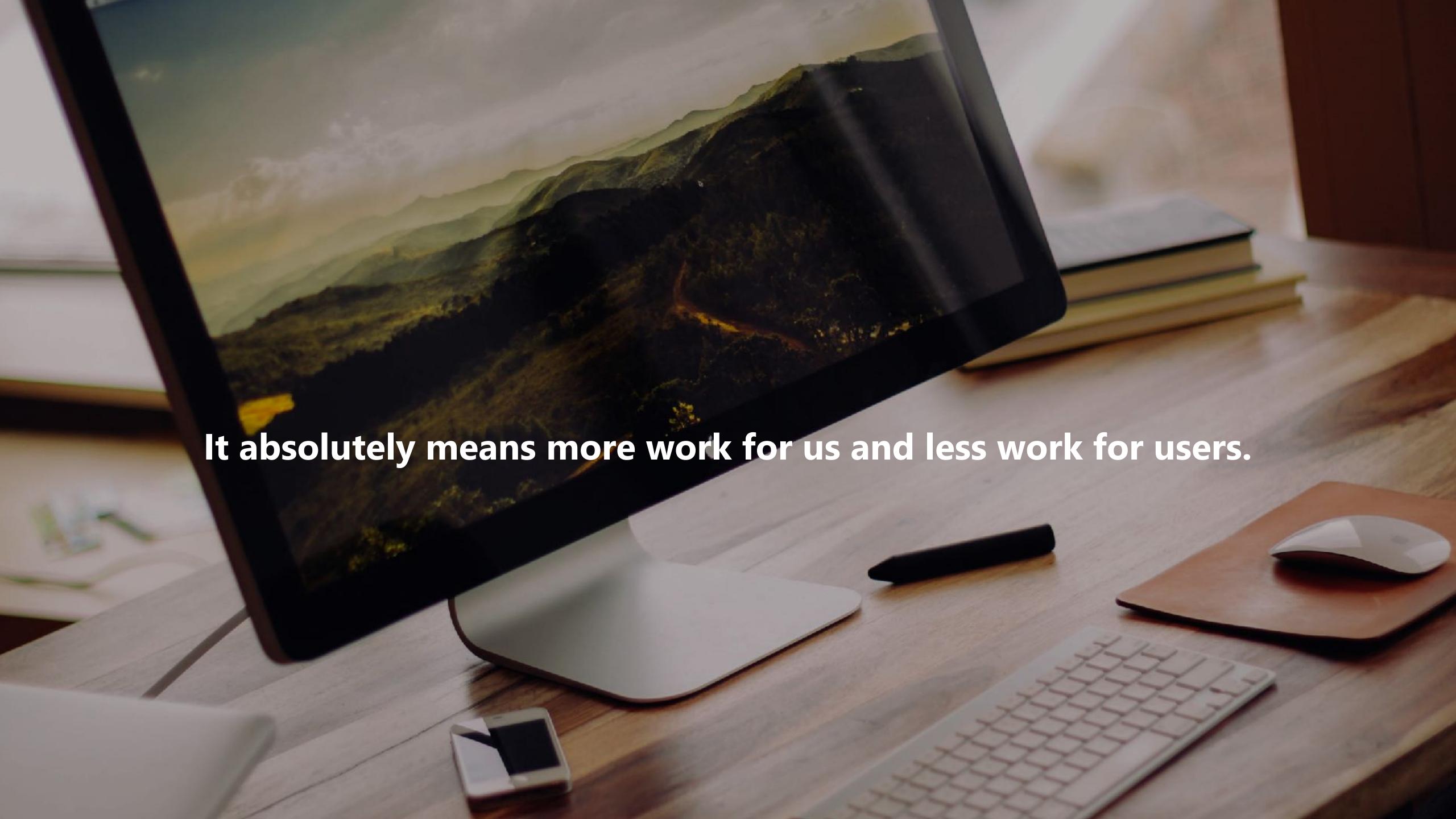
Many other types of retailers also experience this challenge, and Amazon will soon launch an anticipatory design feature to help them connect physical devices to online ordering. Dash Replenishment Service integrates with devices to detect when supplies (of anything) are running low. This is a potential game changer for brands manufacturing printers, coffee machines and other appliances with lucrative refills.

Finance service - Credit Karma





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练习一为你的产品定制可预期的体验

Design an anticipatory feature:

If users do X, then show them Y.

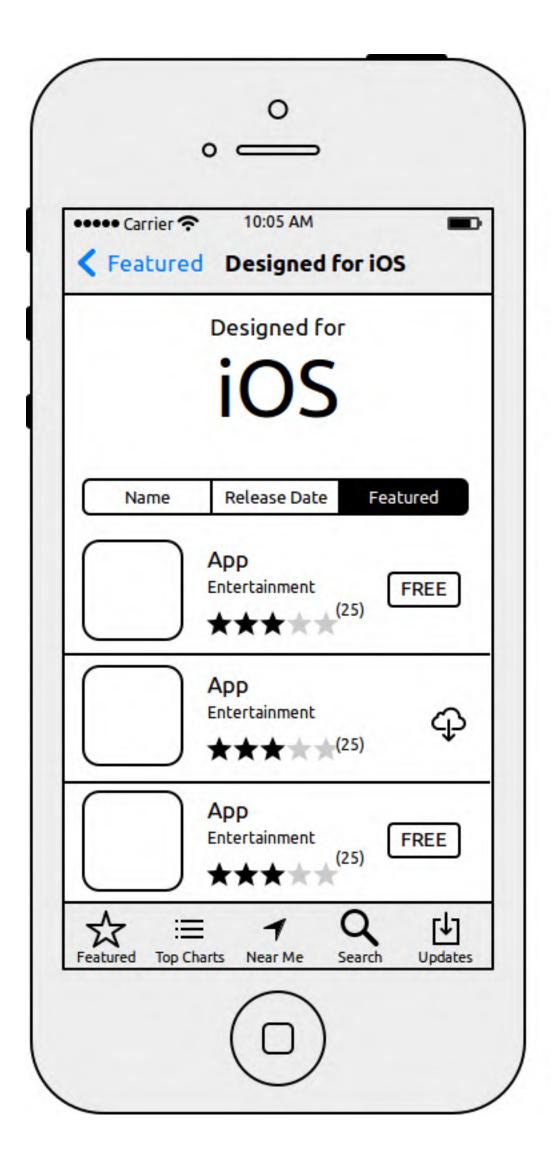
TIPS

- 有机会使你的产品任务和流程更简单?
- 你的产品传达了太多的信息,让用户感到困惑?
- 是否可以基于已有的信息,帮助用户输入有效信息?
- 可以通过流程或任务模版,节省用户的时间?
- 试着提醒用户接下来的选择,并提供额外的价值?
- 是否可以避免用户犯错误,或者提供其他选择?
- 尝试提供给用户引导说明?

作业格式

产品名称: 理财专家

用户输入身 份证号码 自动填写 自动填写生日 或户口所在地









Social network - Facebook

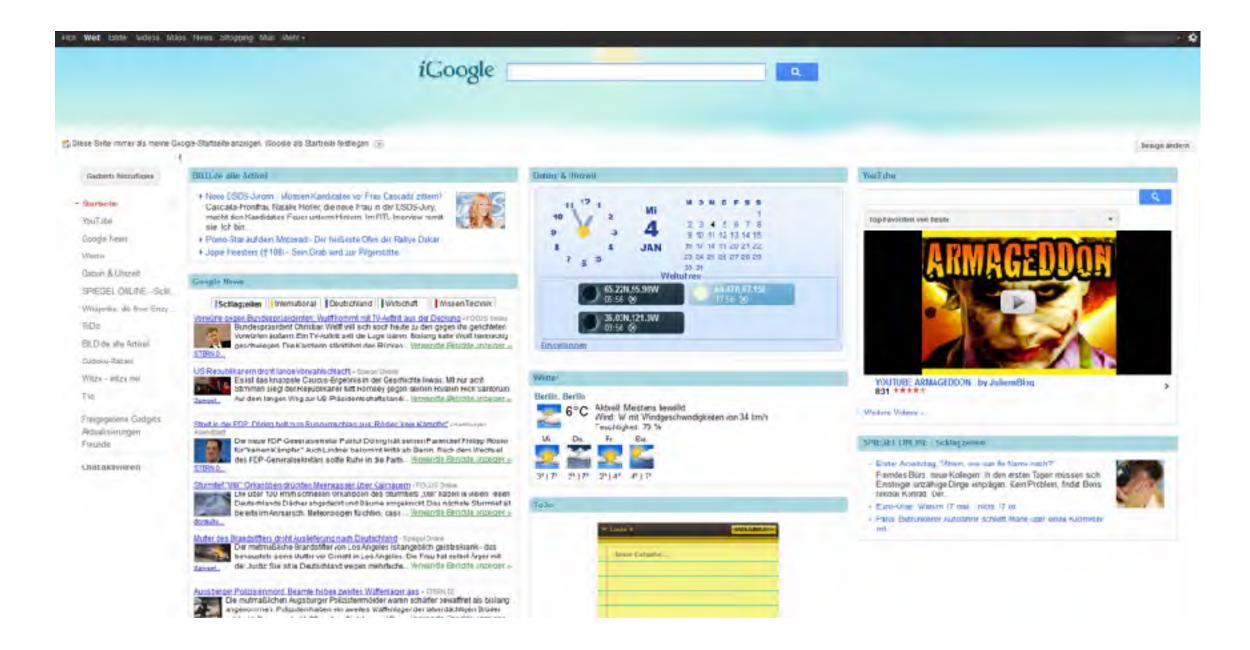


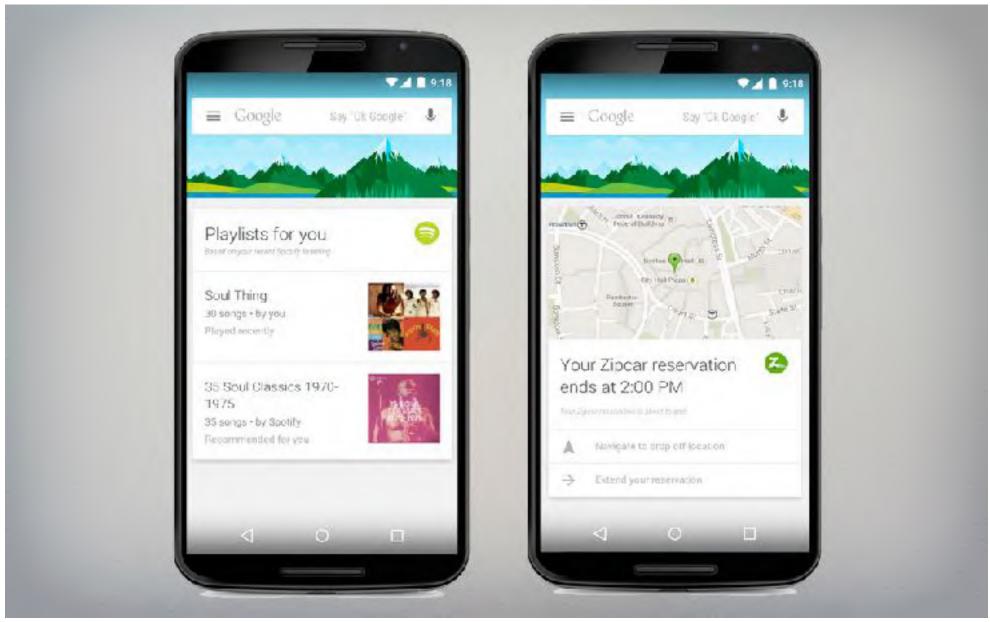
Timeline in 2012



Feed today

Knowledge service - Google





iGoogle in 2008

Google Now today

Personalization to Al Today Tomorrow

练习二收集数据定制个性化的体验



作业格式

产品名称: 滴滴

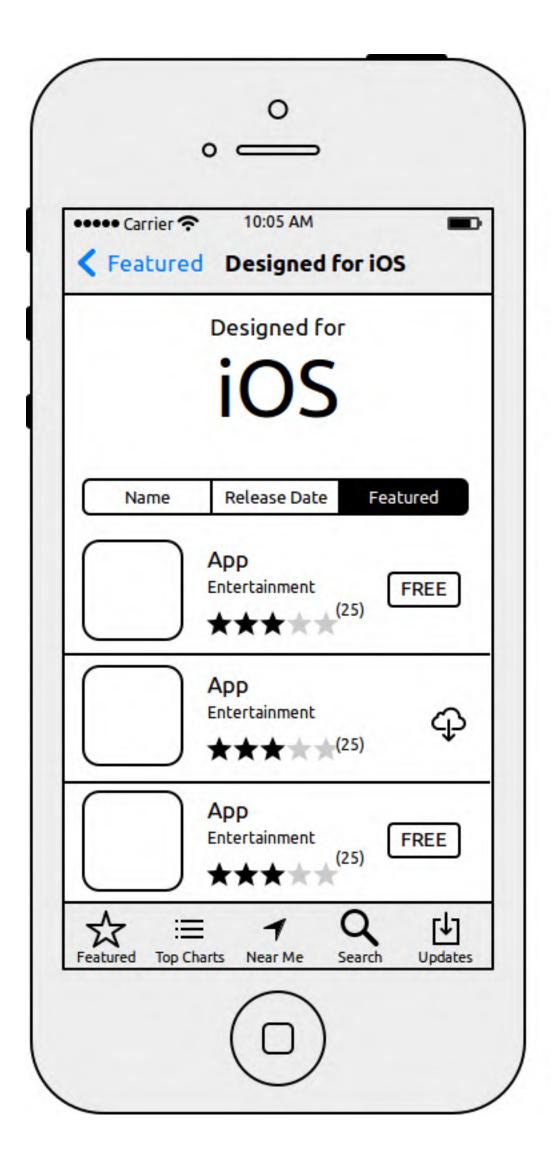
动态生成

每周订单和 路线数据

时间,地点,用户偏好等

周中早晨 上班线路

去星巴克买咖啡,接 同事并拼车去公司

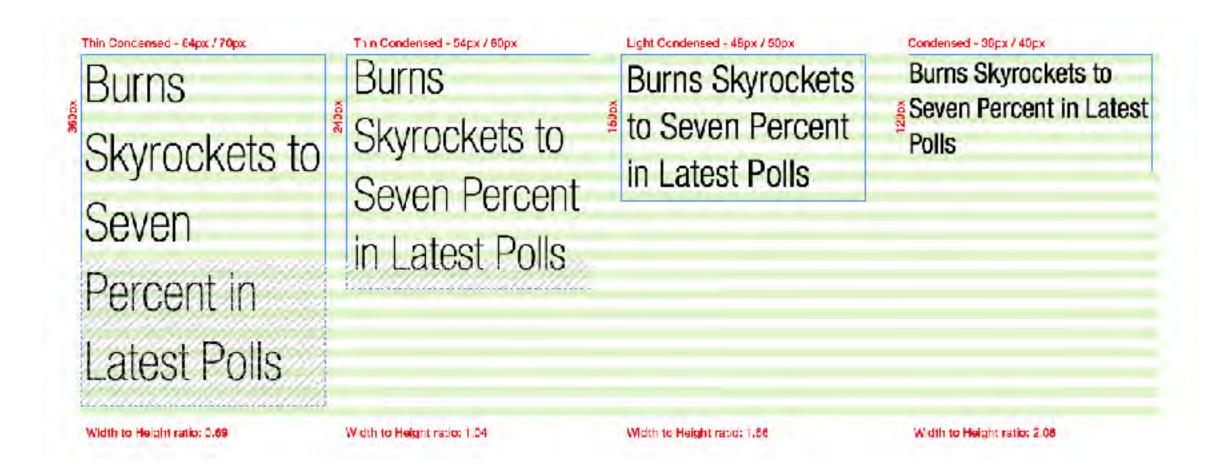




Flipboard Layout Automation Engine









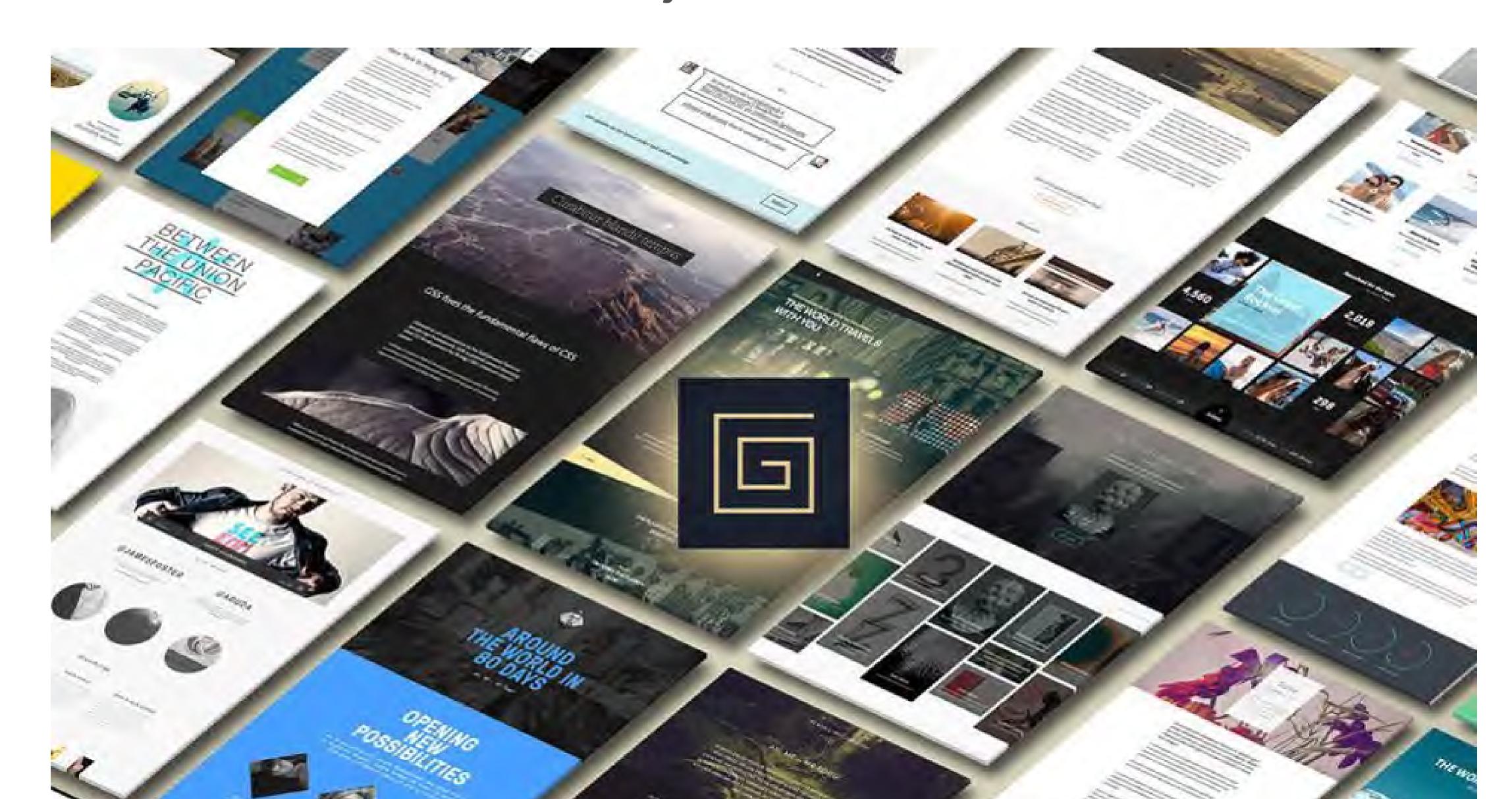
阿里鲁班



Arkie



The Grid - if websites just made themselves...



节省开发和运营成本

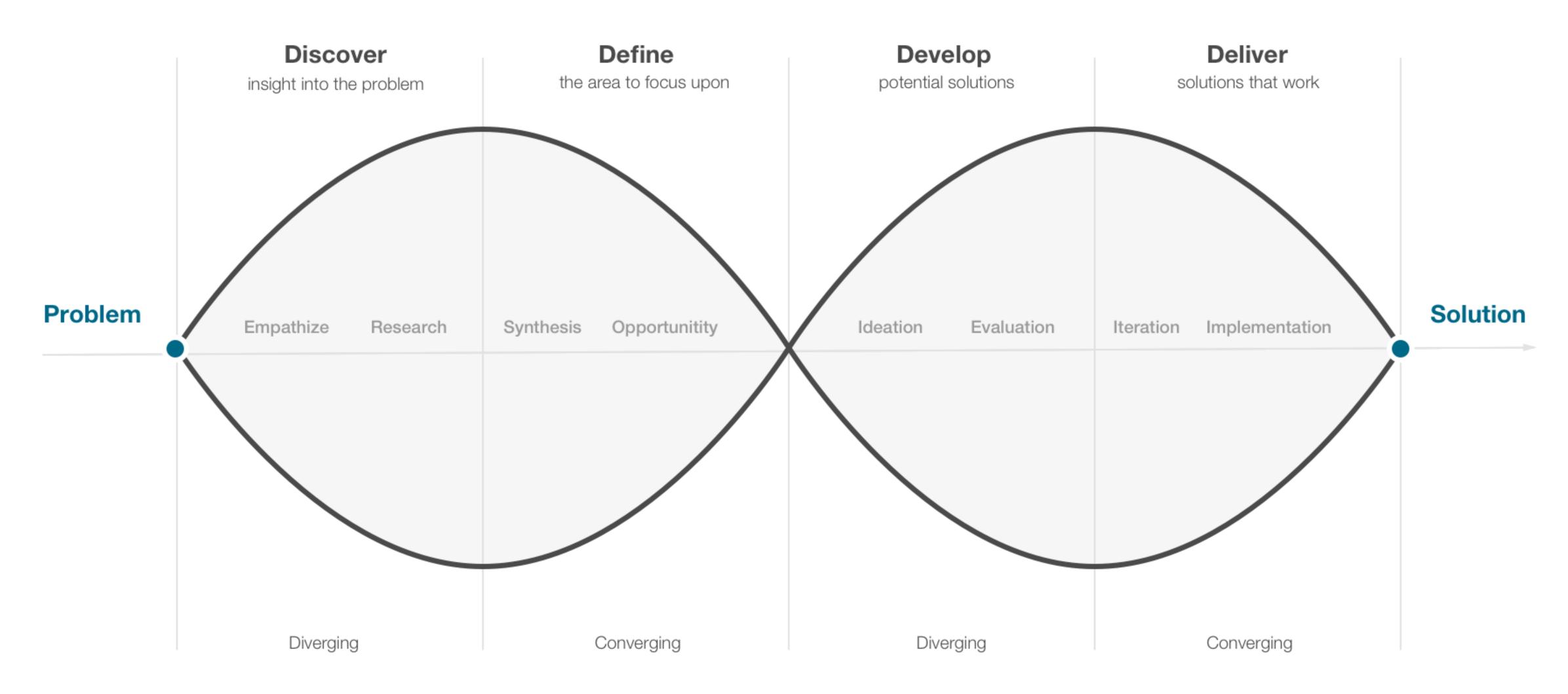




Will Robots Replace Designers?

机器人会取代设计师吗?

Design Process



DO THE RIGHT THING

DO THINGS RIGHT



