

Contents



About the Author	ix
Introduction: Why Should You Care about UX and This Book?	1
1	
What Is UX?	3
1.1 What Is a “user”?	3
1.2 What Is an “experience”?	4
1.3 What Is a “product”?	5
1.4 Who Are the “UX professionals”?	6
1.4.1 UX Designers	7
1.4.2 UX Researchers (or User Researchers)	9
1.4.3 Directors of UX (or UX Strategists)	11
1.5 A Definition of UX	11
2	
What UX Is Not	15
2.1 UX Is Not about Manipulating Users at Their Expense to Make a Product More Profitable	15
2.2 UX Is Not Just “common sense”	16
2.3 UX Is Not a Synonym of “UI,” or about Making Things Beautiful	17
2.4 UX Is Not Just One Step in the Process	19
2.5 UX Is Not “too expensive”	19
2.6 UX Does Not Hamper Creativity	20
2.7 UX Is Not Pointless If the Product Is Already Selling Well	21
2.8 UX Is Not Just the Responsibility of a Few Experts	21

3	
The Science Behind UX	23
3.1 A Short History	23
3.2 Human Factors and Cognitive Science	26
3.2.1 Perception	28
3.2.2 Memory	30
3.2.3 Attention	33
3.2.4 Motivation	34
3.2.5 Emotion	36
3.2.6 To summarize: main limitations of our mental processes	37
3.3 HCI Principles	38
3.3.1 Gestalt principles of perception	38
3.3.2 Fitts's law, Hick-Hyman law, Pareto principle, and Von Restorff effect	39
3.3.3 Mental models	41
3.3.4 Affordance	42
3.4 Usability Heuristics	44
3.5 Emotional Design and Engagement	46

The Process and Methodologies of UX	49
4.1 Design Thinking	50
4.2 The UX Design Toolbox	52
4.2.1 Personas	52
4.2.2 Content strategy and elements of UX	54
4.2.3 User journey	56
4.2.4 Flow diagram (or flowchart)	56
4.2.5 Wireframe	59
4.2.6 Prototype	59
4.3 UX Research (User Research)	61
4.3.1 Field study (or field research)	62
4.3.2 Usability testing	62
4.3.3 Rapid Iterative Testing and Evaluation (RITE)	64
4.3.4 Think aloud (or cognitive walkthrough)	64
4.3.5 Heuristic evaluation	65
4.3.6 Survey	65
4.3.7 Focus group	65
4.3.8 Analytics	66

4.4 UX Strategy and Maturity	68
4.4.1 Lean UX	69
4.4.2 UX maturity stages	71
5	
Ethics and the UX Mindset	75
5.1 Influence in Design: Good UX, Bad UX, Nudges, and Dark Patterns	77
5.2 Dark Patterns: A Malevolent and Anti-UX Influence	79
5.3 Shady Practices and the Rise of the "attention economy"	81
5.4 Of "addiction" and "dopamine shots"	84
5.5 Inclusion and Accessibility	86
5.6 The Ethics of UX	89
Conclusion	91
Acknowledgments	93
Glossary	95
Some Recommended Readings	103
Some Recommended Websites	105
References	107
Index	111