

01

WHY SERVICE DESIGN?

- 1.1 What do customers want?3
- 1.2 The challenges for organizations6
 - 1.2.1 Empowered customers6
 - 1.2.2 Silos.....7
 - 1.2.3 The need for innovation 10
 - 1.2.4 Organizations are reacting.....11
- 1.3 Why a service design approach?14

02

WHAT IS SERVICE DESIGN?

- 2.1 Defining service design19
- 2.2 Different views21
 - 2.2.1 Service design as a mindset21
 - 2.2.2 Service design as a process21
 - 2.2.3 Service design as a toolset21
 - 2.2.4 Service design as a cross-disciplinary language22
 - 2.2.5 Service design as a management approach.....22
- 2.3 Origins and progress23
- 2.4 What service design isn't24
 - 2.4.1 It is not simply aesthetics or “putting lipstick on a pig”24
 - 2.4.2 It is not simply “customer service”24
 - 2.4.3 It is not simply “service recovery”24
- 2.5 The principles of service design, revisited.....25
 - 2.5.1 The original25
 - 2.5.2 The new26

03

BASIC SERVICE DESIGN TOOLS

3.1	Research data	36
3.2	Personas	41
3.3	Journey maps	44
3.3.1	A typology of journey maps	50
3.3.2	Service blueprint	54
3.4	System maps	58
3.4.1	Stakeholder maps	59
3.4.2	Value network maps	62
3.4.3	Ecosystem maps	62
3.5	Service prototypes	65
3.5.1	Prototypes of service processes and experiences	67
3.5.2	Prototypes of physical objects	70
3.5.3	Prototypes of environments, spaces, and architecture	71
3.5.4	Prototypes of digital artifacts and software	72
3.5.5	Prototypes of ecosystems and business value	74
3.6	Business Model Canvas	76

04

THE CORE ACTIVITIES OF SERVICE DESIGN

4.1	In search of a process for designing a service....	83
4.2	Core patterns in the design process.....	85
4.2.1	Divergent and convergent thinking and doing	85
4.2.2	Make sure to solve the right problem before solving the problem right.....	86
4.2.3	All design processes are alike...and different	88
4.3	Introducing the core activities of the TiSDD service design framework	91

05

RESEARCH

5.1 The process of service design research	100
5.1.1 Research scope and research question.....	100
5.1.2 Research planning	102
Research loops.....	102
Sample selection	103
Research context	104
Sample size.....	104
5.1.3 Data collection	105
Research methods	107
Method triangulation	107
Data triangulation	108
Researcher triangulation.....	110
Indexing	110
5.1.4 Data visualization, synthesis, and analysis.....	111
Visualizing data	111
Peer review and co-creation	113
Codifying data.....	113
5.1.5 Using research outcomes.....	114
5.2 Methods of data collection	117
Desk research: Preparatory research	118
Desk research: Secondary research	119
Self-ethnographic approaches:	
Autoethnography	119
Self-ethnographic approaches:	
Online ethnography	120
Participant approaches:	
Participant observation	120
Participant approaches:	
Contextual interview	121
Participant approaches:	
In-depth interview	122
Participant approaches: Focus groups.....	123
Non-participant approaches:	
Non-participant observation	123
Non-participant approaches:	
Mobile ethnography	124
Non-participant approaches:	
Cultural probes.....	124
Co-creative workshop: Creating personas	125
Co-creative workshop: Journey mapping	126
Co-creative workshop: System mapping	126

06

IDEATION

5.3	Methods of data visualization, synthesis, and analysis	127
	Building a research wall	128
	Creating personas	128
	Mapping journeys.....	129
	Mapping systems	130
	Developing key insights.....	131
	Generating jobs-to-be-done insights	131
	Writing user stories	132
	Compiling research reports	132
5.4	Cases	134
5.4.1	Case: Applying ethnography to gain actionable insights	136
5.4.2	Case: Using qualitative and quantitative research in service design	139
5.4.3	Case: Developing and using valuable personas.....	142
5.4.4	Case: Illustrating research data with journey maps.....	146
5.4.5	Case: Current-state (as-is) and future-state (to-be) journey mapping	149

6.1	Ideas	158
6.2	Decisions	160
6.3	The process of ideation	163
6.3.1	Planning ideation	163
6.3.2	Idea generation.....	165
6.3.3	Idea selection.....	167
6.3.4	Documentation	169
6.4	Ideation methods.....	177
	Pre-ideation: Slicing the elephant and splitting the ideation challenge	177
	Pre-ideation: Ideas from journey mapping	178
	Pre-ideation: Ideas from system mapping	179
	Pre-ideation: “How might we ...?” questions from insights and user stories	179
	Generating many ideas:	
	Brainstorming and brainwriting	180
	Generating many ideas: 10 plus 10	180
	Adding depth and diversity: Bodystorming.....	181
	Adding depth and diversity:	
	Using cards and checklists.....	182
	Adding depth and diversity: Ideation based on analogies and association	182

07

PROTOTYPING

Understanding, clustering, and ranking options: Octopus clustering	183
Understanding, clustering, and ranking options: Benny Hill sorting (“Thirty five”)	184
Understanding, clustering, and ranking options: Idea portfolio.....	185
Understanding, clustering, and ranking options: Decision matrix	185
Reducing options: Quick voting methods	186
Reducing options: Physical commitment	186

6.5 Cases 188

6.5.1 Case: Opening the design studio to your customers.....	190
6.5.2 Case: Co-design with hybrid methods.....	193
6.5.3 Case: Building on solid research	196
6.5.4 Case: Mixed-method ideation.....	200
6.5.5 Case: Supporting creativity with trigger visuals	203

7.1 The process of service prototyping	212
7.1.1 Decide on the purpose	212
Prototyping to explore.....	212
Prototyping to evaluate	213
Prototyping to communicate and present.....	213
7.1.2 Decide on your prototyping questions	214
7.1.3 Assess what to make or build	216
7.1.4 Planning prototyping.....	218
Audience	218
Roles in the team	219
Fidelity	220
Prototyping context.....	221
Prototyping loops	223
Multitracking	224
Method selection.....	224
7.1.5 Running prototyping sessions	226
7.1.6 Data synthesis and analysis	228
7.1.7 Visualizing prototyping data.....	228

7.2 Prototyping methods231

Prototyping service processes and experiences:
Investigative rehearsal232

Prototyping service processes and experiences:
Subtext232

Prototyping service processes and experiences:
Desktop walkthrough233

Prototyping physical objects and environments:
Cardboard prototyping.....234

Prototyping digital artifacts and software:
Rehearsing digital services.....235

Prototyping digital artifacts and software:
Paper prototyping235

Prototyping digital artifacts and software:
Interactive click modeling.....236

Prototyping digital artifacts and software:
Wireframing236

Prototyping ecosystems and business value:
Service advertisement.....237

Prototyping ecosystems and business value:
Desktop system mapping
(a.k.a. Business Origami)238

Prototyping ecosystems and business value:
Business Model Canvas239

General methods: Mood boards.....239

General methods: Sketching.....240

General methods:
Wizard of Oz approaches.....240

7.3 Cases244

7.3.1 Case: Enabling effective co-creation through
prototyping minimum viable solutions and
contextual mock-ups246

7.3.2 Case: Using prototyping and co-creation to
create ownership and close collaboration between
the designers, project group, and staff.....252

7.3.3 Case: Enabling staff and stakeholders to
prototype for continuous evolution.....256

7.3.4 Case: Minimum lovable products, living
prototypes, and high-fidelity sketching
in code.....259

7.3.5 Case: Using role-plays and simulations in large-
scale 1:1 prototypes.....262

7.3.6 Case: Using multifaceted prototyping to create
and iterate business and service models.....264

08

IMPLEMENTATION

8.1 From prototype to production	272	8.5 Service design and architecture.....	298
8.1.1 What is implementation?	272	8.5.1 Stage 1: Mindset change	299
8.1.2 Planning for human-centered implementation	274	8.5.2 Stage 2: Needs assessment	300
8.1.3 Four fields of implementation.....	274	8.5.3 Stage 3: Creation	301
8.2 Service design and change management	275	8.5.4 Stage 4: Testing	302
Knowing how people change	275	8.5.5 Stage 5: Building.....	302
Understanding what will change.....	276	8.5.6 Stage 6: Monitoring	303
Beliefs and emotions.....	277	8.5.7 On the other side: What can service design learn from architecture?	304
8.3 Service design and software development	280	8.6 Cases	306
8.3.1 Basic factors.....	280	8.6.1 Case: Empowering employees for sustainable implementation of a service design project.....	308
8.3.2 Implementation	283	8.6.2 Case: Implementing service design to create experiences, momentum, and results in sales....	313
8.4 Service design and product management.....	289	8.6.3 Case: Implementing service design in a software startup.....	317
		8.6.4 Case: Creating measurable business impact through piloting and implementing service design projects.....	322

09

SERVICE DESIGN PROCESS AND MANAGEMENT

9.1 Understanding the service design process: a fast-forward example	330	9.4 Examples/process templates	369
9.2 Planning for a service design process.....	337	9.5 Cases	376
9.2.1 Brief: Purpose, scope, and context.....	337	9.5.1 Case: Creating repeatable processes to continually improve services and experiences at massive scale.....	378
9.2.2 Preparatory research	338	9.5.2 Case: Managing strategic design projects.....	381
9.2.3 Project team and stakeholders	339	9.5.3 Case: Using a five-day service design sprint to create a shared cross-channel strategy	384
9.2.4 Structure: Project, iterations, and activities.....	343		
9.2.5 Multitracking	352		
9.2.6 Project phases and milestones	353		
9.2.7 Outputs and outcomes	355		
9.2.8 Documentation	356		
9.2.9 Budgeting	358		
9.2.10 Mindsets, principles, and style	360		
9.3 Managing the service design process	361		
9.3.1 Iteration planning.....	361		
9.3.2 Iteration management.....	363		
9.3.3 Iteration review.....	367		

10

FACILITATING WORKSHOPS

10.1 Key concepts of facilitation	392	10.4.4 Tools and props	409
10.1.1 Consent	392	10.4.5 Visualization	409
10.1.2 Status.....	393	10.4.6 Post-it or lose it: The expert's guide to sticky notes	410
10.1.3 Neutrality	393	10.4.7 Space, distance, and positioning.....	411
10.2 Styles and roles of facilitation.....	394	10.4.8 Feedback	412
10.2.1 Adopting a role	394	10.4.9 Changing status.....	413
10.2.2 Co-facilitation	395	10.4.10 Doing, not talking.....	415
10.2.3 Can a team member be a facilitator?	396	10.4.11 Growing as a facilitator	415
10.3 Success factors.....	397	10.5 Methods.....	416
10.3.1 Building the team.....	397	Three-brain warm-up	417
10.3.2 Purpose and expectations.....	397	Color-chain warm-up	417
10.3.3 Planning the work	398	“Yes, and ...” warm-up	418
10.3.4 Creating safe space.....	399	Red and green feedback	418
10.3.5 Work modes in teams.....	404	10.6 Cases	420
10.4 Key facilitation techniques.....	407	10.6.1 Case: The energizing power of the unfamiliar...422	
10.4.1 Warm-ups	407	10.6.2 Case: Pivot and focus.....	424
10.4.2 Timing.....	408		
10.4.3 The room.....	408		

11

MAKING SPACE FOR SERVICE DESIGN

11.1	Types of spaces	430		
11.1.1	Mobile solutions: Kits, carts, and trucks.....	430		
11.1.2	Temporary/remote: The pop-up	430		
11.1.3	Temporary/in-house: The squat	431		
11.1.4	Permanent/remote: The retreat or outpost.....	432		
11.1.5	Permanent/in-house: The studio	432		
11.2	Building the space	434		
11.2.1	Space	434		
11.2.2	Walls	434		
11.2.3	Division of the space	435		
11.2.4	Sound	437		
11.2.5	Flexibility	437		
11.2.6	Furnishing	437		
11.2.7	Connections	438		
11.2.8	Low and high tech	438		
11.2.9	Inspiration.....	438		
11.2.10	Scars.....	439		
11.2.11	Lay out the process?	439		
11.3	Space or no space?	441		
11.4	Cases	442		
11.4.1	Case: Sending a message in a major corporation	444		
11.4.2	Case: Sowing the seeds of innovation and change.....	447		

12

EMBEDDING SERVICE DESIGN IN ORGANIZATIONS

12.1 Getting started.....	455		
12.1.1 Start with small projects	456		
12.1.2 Secure management buy-in	457		
12.1.3 Raise awareness.....	458		
12.1.4 Build up competence.....	459		
12.1.5 Give room to try.....	459		
12.2 Scaling up.....	462		
12.2.1 The core service design team	462		
12.2.2 The extended project team	462		
12.2.3 Choose a name that fits your culture.....	463		
12.2.4 Connect with the service design community.....	464		
12.3 Establishing proficiency.....	467		
12.3.1 Understand the design process	467		
12.3.2 Lead through co-creation	468		
12.3.3 Eat your own dog food	468		
12.3.4 Practice empathy	468		
12.3.5 Look beyond quantitative statistics and metrics	468		
12.3.6 Reduce fear of change and failure.....	469		
12.3.7 Use customer-centric KPIs	469		
12.3.8 Disrupt your own business.....	469		
12.3.9 Make design tangible	470		
12.3.10 Bring service design into the organizational DNA	470		
12.4 Design sprints.....	473		
12.5 Cases	478		
12.5.1 Case: Including service design in nationwide high school curricula.....	480		
12.5.2 Case: Introducing service design in a governmental organization.....	484		
12.5.3 Case: Increasing national service design awareness and expertise.....	487		
12.5.4 Case: Integrating service design in a multinational organization	491		
12.5.5 Case: Creating a customer-centric culture through service design	495		
12.5.6 Case: Building up service design knowledge across projects.....	499		