
Contents

Preface xv

Acknowledgments xxi

PART I

The Internet 1

1 Introduction and Overview 3

DETERMINANTS OF PERFORMANCE 3

Business Models 3

Environment 5

Change 5

The Internet 6

INTERNET BUSINESS MODELS 6

INTERNET BUSINESS MODELS AND STRATEGIES 7

Part I: The Internet 7

Part II: Components, Linkages, Dynamics, and Evaluation
of Business Models 8

Part III: The Role of Competitive and Macro Environments 9

Part IV: Applying the Concepts, Models, and Tools 9

Part V: Cases 9

2 Overview of Internet Technology and Value Network 11

DEFINITION AND HISTORY 11

What Are the Internet and the World Wide Web? 11

A Brief History of the Internet and the World Wide Web 14

THE INTERNET VALUE NETWORK	15
I. Users	17
II. Communications Services	19
III. Suppliers	21

3 Competitive Landscape-Changing Properties of the Internet 27

PROPERTIES OF THE INTERNET	27
1. Mediating Technology	27
2. Universality	28
3. Network Externalities	28
4. Distribution Channel	29
5. Time Moderator	29
6. Information Asymmetry Shrinker	30
7. Infinite Virtual Capacity	30
8. Low Cost Standard	30
9. Creative Destroyer	31
10. Transaction-Cost Reducer	31
IMPACT OF THE INTERNET ON THE 5-Cs	32
Coordination	32
Commerce	34
Community	36
Content	37
Communication	37
Implications for Industries	37
LIMITATIONS TO TRANSACTIONS OVER THE INTERNET	38
Tacit Knowledge	38
People	39

PART II

Components, Linkages, Dynamics, and Evaluation of Business Models 43

4 Components of a Business Model	45
INTERNET BUSINESS MODEL	45
A Taxonomy of Business Models	46
COMPONENTS AND LINKAGES	48
Rationale	48
CUSTOMER VALUE	48
Differentiation	48
Low Cost	51
SCOPE	51

PRICE	52	
Market Share and Margins Are Critical!		53
It's Growth! It's Revenues	53	
Lock-in	53	
Types of Pricing and the Influence of the Internet (Dynamic Pricing)	54	
REVENUE SOURCES	55	
CONNECTED ACTIVITIES: WHAT ACTIVITIES AND WHEN		56
Which Activities to Perform	56	
When to Perform Activities	59	
IMPLEMENTATION	59	
Structure	59	
Systems	60	
People	61	
CAPABILITIES	62	
Resources	62	
Competencies	63	
Competitive Advantage	63	
SUSTAINABILITY	64	
5 Dynamics and Appraisal of Business Models		68
THREE GENERIC STRATEGIES	69	
Block Strategy	69	
Run Strategy	70	
Team-up Strategy	70	
IT TAKES COMPLEMENTARY ASSETS TOO	70	
Complementary Asset Framework	71	
Implications for Internet Business Models and Generic Strategies	72	
TIMING	73	
A Technology Life Cycle Model and the Internet		73
Implications for Generic Strategies	75	
INCUMBENTS: BRICKS-AND-MORTAR	76	
Incentive to Invest: Impact on Existing Products		76
Competence Enhancing or Destroying	77	
The Internet: A Disruptive Technology?	77	
Adopting the Internet: Separate Entity or a Unit Within?	78	
APPRAISING BUSINESS MODELS	79	
Profitability Measures	80	
Profitability Predictor Measures	80	
Business Model Component Measures		80
Important!	83	

6	Value Configurations and the Internet	87
	VALUE CREATION AND ORGANIZATIONAL TECHNOLOGIES	87
	THE VALUE CHAIN	89
	A Manufacturer's Value Chain	90
	How Does the Internet Affect the Primary Activities of the Value Chain?	90
	THE VALUE SHOP	93
	Value Creation Logic and Service Provision	93
	Primary Activities of the Value Shop	94
	How Does the Internet Affect the Primary Activities of the Value Shop?	95
	THE VALUE NETWORK	97
	Examples of Value Network Businesses	98
	Primary Activities of the Value Network	99
	How Does the Internet Affect the Primary Activities of the Value Network?	99
	MAKING A FIRM'S VALUE CONFIGURATION CONSISTENT WITH ITS ACTIVITIES	101
7	Valuing and Financing an Internet Start-Up	106
	WHEN TO CASH OUT	106
	Over a Firm's Life Cycle	106
	Collecting Early	107
	THE IPO PROCESS	107
	Impact of the Internet on the IPO Process	108
	VALUATION OF A BUSINESS	108
	Cash Flows	108
	Price-Earnings (P/E) Ratio	110
	Price-Earnings Growth (PEG) Ratio	111
	VALUATION OF BUSINESSES THAT ARE NOT YET PROFITABLE	111
	Firm and Industry Proxies	112
	Business Models Approach: Earnings and Cash Flow Chain	112
	INTELLECTUAL CAPITAL: VALUING THE PARTS	113
	Components of Intellectual Capital	114
	FINANCING A START-UP	115
	Internal Sources: Assets and Activity	116
	Equity	117
	Debt	118
	Complementary Assets	118

The Role of Competitive and Macro Environments 121

8	Competitive and Macro Environments	123
	THE ENVIRONMENT AS DETERMINANT OF FIRM PERFORMANCE	124
	The Competitive Environment	124
	Industry Characteristics and Critical Success Drivers	124
	THE INTERNET AND ENVIRONMENTAL DETERMINANTS OF PERFORMANCE	125
	Impact of the Internet on Industry Environment	125
	The Internet's Multiple Forces	127
	A Five Forces Analysis of ISPs	128
	An Important Point about Industry Analysis	129
	CO-OPETITORS AND INDUSTRY DYNAMICS	129
	Co-opetitors	129
	Industry Dynamics and Evolution	130
	THE MACRO ENVIRONMENT	131
	Impact on Performance	131

PART IV

Applying the Concepts, Models, and Tools 137

9	The General Manager and the Internet	139
	COMPETITIVE ADVANTAGE AND THE GENERAL MANAGER	139
	INCUMBENTS VERSUS NEW ENTRANTS	140
	Managing Bricks-and-Mortar Incumbents	140
	Managing New Entrants	144
	FORMULATING AND IMPLEMENTING A STRATEGY	146
	Change and the Strategic Management Process	146
	Where Is the Firm Now?	146
	Where Does the Firm Go Next?	150
	How Does the Firm Get There?	150
	Implementation	152
	PERSONAL ROLE OF THE GENERAL MANAGER	153
	Champions	154
	Sponsors	154

10 Sample Analysis of an Internet Business Model Case

AMAZON.COM: ZSHOPS	158
Amazon.com	159
Amazon's Diversification Strategy	159
zShops	163
E-COMMERCE INDUSTRY	164
Competitors	164
Threats	164
The zShops Dilemma	165
WHAT IS THE ZSHOPS NEW PRODUCT CONCEPT AND HOW DO THEY ADD VALUE TO STAKEHOLDERS?	165
How the zShops Add Value to Customers	166
How the zShops Add Value to Shop Merchants	167
How the zShops Add Value to Amazon	167
WHAT VALUE CONFIGURATION ACTIVITIES SHOULD AMAZON BE UNDERTAKING?	169
Value Network Components	169
DOES AMAZON HAVE CONTROL OVER KEY ASSETS?	169
Complementary Asset Framework	169
ARE THE ZSHOPS A VIABLE GROWTH STRATEGY FOR AMAZON?	170
Analysis of Business Model Components	171
RECOMMENDATIONS: IS AMAZON RISKING TOO MUCH FROM THE STANDPOINT OF BRAND NAME AND REPUTATION?	173

Appendix 177

PART V

Cases 183

Case 1	Broadcast.com	185
Case 2	Webvan: Reinventing the Milkman	192
Case 3	Netscape Communications and the Browser (A) and (B)	202
Case 4	VerticalNet: The New Face of B2B	221

- Case 5 Red Hat Software and Linux Operating System: Where
Do You Want to Go Tomorrow? 235
- Case 6 Beyond Interactive: Internet Advertising and
Cash Crunch 245
- Case 7 Hotmail: Free E-Mail for Sale 258
- Case 8 GMBuyPower.com: Dealer Beware 266
- Case 9 iVillage: Innovation among Women's Websites 278
- Case 10 eBay, Inc.: Diversification in the Internet
Auction Market 285
- Case 11 Microsoft: Breaking Up Is Hard to Do 295
- Case 12 Sun Microsystems: Jumping for Java 311
- Case 13 Diamond Multimedia and the Rio: David's Innovation in
the Face of Goliath 322
- Case 14 Merrill Lynch: Financial Portal Strategy 333
- Index 345