2. eCommerce Business Models and Concepts



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Teaching Objectives

- Identify the key components of eCommerce business models.
- Describe the major B2C business models.
- Describe the major B2B business models.
- Describe business models in other emerging areas of eCommerce.
- Explain the key business concepts and strategies applicable to eCommerce.

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Tweet Tweet: What's Your Business Model?



- What characteristics or benchmarks can be used to assess the business value of a company such as Twitter?
- Have you used Twitter to communicate with friends or family? What are your thoughts on this service?
- What are Twitter's most important assets?
- Which of the various methods described for monetizing Twitter's assets do you feel might be most successful?

Outline

1. eCommerce Business Models

- 2. Major Business-to-Consumer (B2C) Business Models
- 3. Major Business-to-Business (B2B) Business Models
- 4. Business Models in Emerging eCommerce Areas
- 5. How the Internet and the Web Change Business: Strategy, Structure, and Process

Components of eBusiness models Business Model -Customer value - Scope - Price - Resources - Capabilities - Implementations Performance Environment

eCommerce Business Models

- Business model
 - Set of planned activities designed to result in a profit in a marketplace
- Business plan
 - Describes a firm's business model
- eCommerce business model
 - Uses/leverages unique qualities of Internet and Web

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8 Key Elements of a Business Model

| COMPONENTS | KEY QUESTIONS | |
|----------------------------|---|--|
| Value proposition | Why should the customer buy from you? | |
| Revenue model | How will you earn money? | |
| Market opportunity | What marketspace do you intend to serve, and what is its size? | |
| Competitive environment | Who else occupies your intended marketspace? | |
| Competitive advantage | What special advantages does your firm bring to the marketspace? | |
| Market strategy | How do you plan to promote your products or services to attract your target audience? | |
| Organizational development | What types of organizational structures within the firm are necessary to carry out the business plan? | |
| Management team | What kinds of experiences and background are important for the company's leaders to have? | |

1. Value Proposition

- Why should the customer buy from you?
- Successful eCommerce value propositions:
 - Personalization/customization
 - Reduction of product search, price discovery costs
 - Facilitation of transactions by managing product delivery

2. Revenue Model

- How will the firm earn revenue, generate profits, and produce a superior return on invested capital?
- Major types:
 - Advertising revenue model
 - Subscription revenue model
 - Transaction fee revenue model
 - Sales revenue model
 - Affiliate revenue model

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Advertising Revenue Model

- Web site that offers content, services and/or products also provides a forum for advertisements and receives fees from advertisers
- Example: Yahoo.com



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Subscription Revenue Model

- Web site that offers users content or services charges a subscription fee for access to some or all of its offerings
- Examples:
 - Consumer Reports Online
 - Yahoo! Platinum



Transaction Fee Revenue Model

- Company that receives a fee for enabling or executing a transaction
- Examples:
 - eBay.com
 - E-Trade.com



Sales Revenue Model

- Company derives revenue by selling goods, information, or services to customers
- Examples:
 - Amazon.com
 - LLBean.com
 - Gap.com



Affiliate Revenue Model

- Sites that steer business to an "affiliate" receive a referral fee or percentage of the revenue from any resulting sales
- Example:

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MyPoints.com



Five Primary Revenue Models

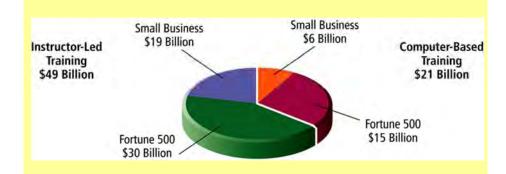
| TABLE 2.2 | FIVE PRIMARY REVENUE | E PRIMARY REVENUE MODELS | | | |
|-----------------|---|---|--|--|--|
| REVENUE MOD | EL EXAMPLES | REVENUE SOURCE | | | |
| Advertising | Yahoo.com | Fees from advertisers in exchange for advertisements | | | |
| Subscription | WSJ.com, Consumerreports.org Sportsline.com | Fees from subscribers in exchange for access to content or services | | | |
| Transaction Fee | eBay.com, E-Trade.com | Fees (commissions) for enabling or executing a transaction | | | |
| Sales | Amazon.com, LLBean.com, Gap.com, Sears.com, JCPenny.com | Sales of goods, information, or services | | | |
| Affiliate | MyPoints.com | Fees for business referrals | | | |

3. Market Opportunity

- What marketspace do you intend to serve and what is its size?
 - Marketspace: Area of actual or potential commercial value in which company intends to operate
 - Realistic market opportunity: Defined by revenue potential in each of market niches in which company hopes to compete
- Market opportunity typically divided into smaller niches

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Marketspace and Market Opportunity in the Software Training Market



4. Competitive Environment

- Who else occupies your intended marketspace?
 - Other companies selling similar products in the same marketspace
 - Includes both direct and indirect competitors
- Influenced by:
 - Number and size of active competitors
 - Each competitor's market share
 - Competitors' profitability
 - Competitors' pricing

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Competitive Environment (cont'd)

- Direct competitors companies that sell products or services that are very similar and into the same market segment
 - Example: Priceline.com and Travelocity.com
- Indirect competitors companies that may be in different industries but that still compete indirectly because their products can substitute for one another
 - Example: CNN.com and ESPN.com

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5. Competitive Advantage

- What special advantages does your firm bring to the marketspace?
 - Achieved when firm produces superior product or can bring product to market at lower price than competitors
- Important concepts:
 - Asymmetries
 - First-mover advantage
 - Unfair competitive advantage
 - Leverage
 - Perfect markets

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Competitive Advantage (cont'd)

- Asymmetries when one participant in a market has more resources than others
- First mover advantage results from a firm being first into a marketplace
- Unfair competitive advantage occurs when one firm develops an advantage based on a factor that other firms cannot purchase
- Companies leverage their competitive assets when they use their competitive advantages to achieve more advantage in surrounding markets

6. Market Strategy

- How do you plan to promote your products or services to attract your target audience?
 - Details how a company intends to enter market and attract customers
 - Best business concepts will fail if not properly marketed to potential customers

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7. Organizational Development

- What types of organizational structures within the firm are necessary to carry out the business plan?
- Describes how firm will organize work
 - Typically divided into functional departments
 - Hiring moves from generalists to specialists as company grows

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8. Management Team

- What kinds of experiences and backgroundshould the company's leaders have?
 - Employees are responsible for making the business model work
 - Strong management team gives instant credibility to outside investors
- A strong management team:
 - Can make the business model work
 - Can give credibility to outside investors
 - Has market-specific knowledge
 - Has experience in implementing business plans

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Categorizing eCommerce Business Models

- No one correct way
- We categorize business models according to:
 - eCommerce sector (B2C, B2B, C2C)
 - Type of eCommerce technology; i.e., m-commerce
- Similar business models appear in more than one sector
- Some companies use multiple business models;
 e.g., eBay

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What is B2C eCommerce?

- B2C (Business-to-Consumer) is basically a concept of online marketing
 and distributing of products and services over the Internet. It is a natural
 progression for many retailers or marketer who sells directly to the
 consumer. The general idea is, if you could reach more customers, service
 them better, make more sales while spending less to do it, that would the
 formula of success for implementing a B2C eCommerce infrastructure.
- For the consumer, it is relatively easy to appreciate the importance of eCommerce. Why waste time fighting the very real crowds in supermarkets, when, from the comfort of home, one can shop on-line at any time in virtual Internet shopping malls, and have the goods delivered home directly.

Enterprise
User Profiles
Workflow
Business rules
Payment
Analytics

Lintranet

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B2C eBusiness Model

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Who should use B2C eCommerce?

- Manufacturers to sell and to retail the business buyers
- **Distributors** to take orders from the merchants they supply
- · Publisher to sell subscriptions and books
- Direct Sales Firms as another channel to reach the buyers
- Entertainment Firms to promote new products and sell copies
- Information Provider to take payment for downloaded materials
- Specialty Retailers Niche marketers of products ranging from candles, coffees, specialty foods, books use it to broaden their customer reach.
- Insurance Firms On-line rate quotes and premium payments have made it
 easier for this industry to attract and retain customers. In fact, virtually any
 business that can deliver its products or provide its services outside its doors is a
 potential user.

B2C Business Models

| TABLE 2.3 | B2C BUSINESS MODELS | | | | |
|-----------------------|----------------------------------|--|---|--|--|
| BUSINESS MODEL | VARIATIONS | EXAMPLES | DESCRIPTION | REVENUE MODEL | |
| Portal | Horizontal/General | Yahoo com AOL com MSN com | Offers an integrated package of content services and content-search, news, e-mail, chat, music downloads, video streaming, calendars, etc. Seeks to be a user's home base. | Advertising, subscription fees, transaction fees | |
| | Vertical/Specialized (Vortal) | Sailnet.com | Offers services and products to specialized marketspace | Same | |
| c | Virtual Merchant | Amazon.com | Online version of retail store, where customers can shop at any hour of the day or night without leaving their home or office. | Sales of goods | |
| | Clicks and Bricks | Wal-Mart.com Sears.com | Online distribution channel for a company that also has physical stores | Same | |
| | Catalog Merchant | LandsEnd.com | Online version of direct mail catalog | Same | |
| | Manufactuler direct | Dell.com Compaq.com | | Sales of goods | |
| Content Provider | | WSI.com, Sportsille.com CNN.com, Rhupsody.com ESPN.com | information and entertainment providers like newspapers, sports sites, and other online sources that offer customers up-to- date news and special interest how-to guidance and tips and/or information sales. | Advertising, subscription fees, affiliate referral fees | |
| Transaction Broker | | E-Trade.com Expedia.com Monstec.com Travelocity.com Hotels.com Orbitz.com | Processors of online sales transactions, such as stock brokers and travel agents, that increase customers' productivity by helping them get things done faster and more cheaply. | Transaction fee | |
| Market Creator | Auctions | Ebay.com Priceline.com Amazon.com | Web-based businesses that use internet technology to create markets that bring buyers and sellers together | Transaction fee | |
| Service Provider | | Mybconsulting.com Lawinfo.com xDrive myCFO.com | Companies that make money by selling users a service, rather than a product. | Sales of service | |
| Community Provider | | About.com IVillage.com NetNoir.com Oxygen.com Epinions.com | Sites where individuals with particular interests, hobbies, and common experiences can come together and compare notes. | Advertising, subscription, affiliate referra fees | |

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B2C Business Models: Portal

- Search plus an integrated package of content and services
- Revenue models:
 - Advertising, referral fees, transaction fees, subscriptions
- Variations:
 - Horizontal/General
 - Vertical/Specialized (Vortal)
 - Pure Search

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B2C Models: E-tailer

- Online version of traditional retailer
- Revenue model: Sales
- Variations:
 - Virtual merchant
 - Bricks-and-clicks
 - Catalog merchant
 - Manufacturer-direct
- Low barriers to entry

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B2C Models: Content Provider

- · Digital content on the Web
 - News, music, video
- Revenue models:
 - Subscription; pay per download (micropayment);
 advertising; affiliate referral fees
- Variations:
 - Content owners
 - Syndication
 - Web aggregators

B2C Models: Transaction Broker

- Process online transactions for consumers
 - Primary value proposition—saving time and money
- Revenue model:
 - Transaction fees
- Industries using this model:
 - Financial services
 - Travel services
 - Job placement services

B2C Models: Market Creator

- Create digital environment where buyers and sellers can meet and transact
- Examples:
 - Priceline
 - eBay
- · Revenue model: Transaction fees

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B2C Models: Service Provider

- Online services
 - e.g., Google: Google Maps, Google Docs, and so on
- Value proposition
 - Valuable, convenient, time-saving, low-cost alternatives to traditional service providers
- Revenue models:
 - Sales of services, subscription fees, advertising, sales of marketing data

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B2C Models: Community Provider

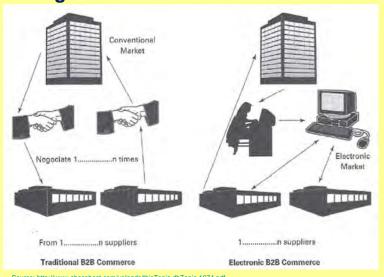
- Provides online environment (social network) where people with similar interests can transact, share content, and communicate
 - E.g., Facebook, Twitter, LinkedIn
- Revenue models:
 - Typically hybrid, combining advertising, subscriptions, sales, transaction fees, affiliate fees

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Advantages of eCommerce for B2B Businesses



B2B Business Models

- Net marketplaces
 - E-distributor
 - E-procurement
 - Exchange
 - Industry consortium
- Private industrial network
 - Single firm
 - Industry-wide

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B2B Models: E-distributor

- · Version of retail and wholesale store, MRO goods and indirect goods
- Owned by one company seeking to serve many customers
- Revenue model: Sales of goods
- Example: Grainger.com

B2B Models: E-procurement

- Creates digital markets where participants transact for indirect goods
 - B2B service providers, application service providers (ASPs)
- · Revenue model:
 - Service fees, supply-chain management, fulfillment services
- e.g., Ariba



B2B Models: Exchanges

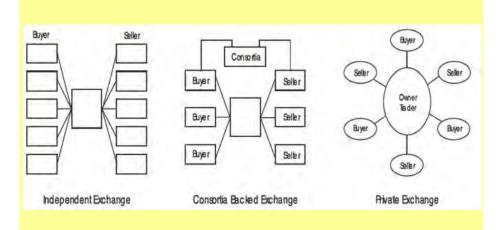
- Electronic digital marketplace where suppliers and purchasers conduct transactions
 - Usually owned by independent firms whose business is making a market
 - Usually serve a single vertical industry
- Revenue model: Transaction, commission fees
- Create powerful competition between suppliers
- Tend to force suppliers into powerful price competition; number of exchanges has dropped dramatically

Electronic Exchanges

- Known as electronic markets or B2B hubs
- These hubs are sites on the Internet where buyers and sellers can come together to exchange information and buy and sell products and services.
- Electronic interchanges typically have one of three structures.

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Electronic Exchange Structures



Public Exchange

- Known as an independent exchange
- Third party market operates the electronic market, displays information, and provides the tools necessary to conduct ebusiness.
- Independent exchanges may be
 - vertical (i.e., serving members of a specific industry) or
 - horizontal (i.e., simultaneously serving businesses in different industries).
- PE are independently owned by the third party that displays the content and provides electronic tools for conducting business.

Consortia-backed Exchange

- eMarkets created by consortia of traditional firms within an industry who band together to create a common forum for B2B transactions of goods and services.
- One of the primary purposes of consortia-backed exchanges is to drive down costs for all participants.

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B2B Models: Industry Consortia

- Industry-owned vertical marketplaces that serve specific industries (e.g., automobile, chemical)
- More successful than exchanges
 - Sponsored by powerful industry players
 - Strengthen traditional purchasing behavior
- Revenue model: Transaction, commission fees
- e.g., Exostar



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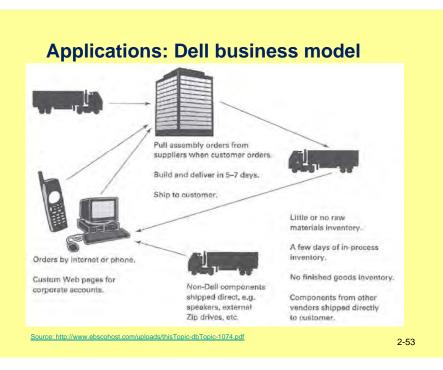
Private Exchange

- PE are structured around the needs of a specific sponsoring business and its trading partners and can be joined by invitation only.
- Advantages over other types of electronic exchanges
 - Owners of PE can regulate access to both buyers and sellers. This means owners have the ability to exclude competitors and their suppliers from the exchange so that the exchange only benefits its members.
 - Owners of a PE can also offer pricing incentives or alternatives so that they can streamline business processes and benefit participants.
 - As opposed to public exchanges, most private exchanges can be tailored to serve specific products.

Private Industrial Networks

- Designed to coordinate flow of communication among firms engaged in business together
 - Electronic data interchange (EDI)
- Single firm networks
 - Most common form
 - Example: Wal-Mart's network for suppliers
- Industry-wide networks
 - Often evolve out of industry associations
 - Example: Walmart's network for suppliers



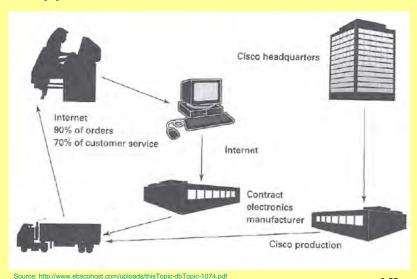


Applications: Dell business model

- Orders for computers are placed with Dell by telephone or through the Internet.
- Through a process just-in-time (or lean) manufacturing, waste is reduced and productivity improved by only having the required inventory on hand when it is actually needed for manufacturing.
- · This reduces lead times and set up times for building a computer.
- Dell only orders the parts for a computer when it has a firm (and in the case of noncorporate orders, prepaid) order.
- Dell operates with little in-process and no finished goods inventory: Products are shipped as soon as they are manufactured.
- This approach also enables Dell to forego having brick and mortar store fronts with inventory
 that must be kept on the books or that might become obsolete, thereby significantly reducing
 overhead.
- Items that are not built by Dell are shipped directly to the customer by the manufacturer.
- These features help Dell to reduce the costs of production and sales.
- This process allows Dell to custom design systems for its customer within certain parameters as well as to offer a range of items rather than a single system.

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Applications: Cisco business model



Cisco Business Model

- This successful network communications manufacturer receives approximately 90% of its orders over the Internet.
- The orders are routed to contract electronics manufacturers who build the products to Cisco's specifications.
- Not only are the majority of Cisco's orders received over the web, but 70% to 80% of their customer service requests are also dealt with online.

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E-Hubs

- EH (also known as vertical portals) are B2B web sites that bring together buyers and sellers in a particular industry such as information technology or retail.
- Facilitate business transactions within an industry and may charge a transaction fee for purchases.
- EH reduce transaction costs by aggregating buyers and sellers in an electronic marketplace.
- B2C hubs are one-way networks that primarily create value for sellers, B2B hubs are twoway networks that mediate between buyers and sellers and create value for all parties.
- EH create value in a number of ways including reducing search costs, standardizing systems, and improving matches for both buyers and sellers.
- EH offer more choices to buyers and give sellers more access to buyers.
- For example, if 5 buyers and 5 sellers were potentially interested in doing business with each other, they would first have to locate each other. The sellers would have to determine who the potential buyers were through advertising or a direct sales force. The sellers would then have to make a contact with each potential buyer. This would involve 25 separate searches and 25 separate contacts each time a seller wanted to sell. With EH, this number is drastically reduced. EH finds the potential sellers and buyers, reducing the total number of postings to 10: 5 postings on EH by the sellers and 5 mylews by the buyers.
- EH allow information such as credit checks, product descriptions, and evaluations to be transferred more easily.

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Vertical Hubs

- VH are set up to specialize within an industry or other vertical market.
- Provide domain-specific content and relationships that are of value to their participants.
- Particularly advantageous when there is much fragmentation among the buyers and sellers, and inefficiency in the existing supply chain.
- Have a high degree of domain knowledge and industry relationships, create master catalogs and allow advanced search options.
- VH examples:
 - Band-X for the telecommunications industry,
 - Cattle Offerings Worldwide for the beef and dairy market,
 - PlasticsNet.com for the plastics industry
 - Ultraprise for secondary mortgage exchange.



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Functional Hubs

- Horizontal hubs that provide the same functions across different industries rather than more functions within a single industry.
- FH are successful in situations where there is a greater degree of process standardization and sufficient knowledge about the processes and the ability to customize the business process to respond to differences in various industries.
- FH example: iMark focuses on buying and selling used capital



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Business Models in Emerging eCommerce Areas

- Consumer-to-consumer (C2C)
 - Examples: eBay, Half.com



- Peer-to-peer (P2P)
 - Examples: The Pirate Bay, Cloudmark





- M-commerce:
 - eCommerce models using wireless technologies
 - Technology platform continues to evolve
 - In the United States, demand still highest for digital content like ring tones

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Apple iPhone 4s



The Apple iPhone combines both cellular voice and Internet, as well as Wi-Fi local area network access to the Web. Over 37 million iPhones 4s in Q4 of 2011.

Source: http://venturebeat.com/2012/02/06/ipd-iphone-android-sales/

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eCommerce Enablers: The Gold Rush Model

- eCommerce infrastructure companies have profited the most:
 - Hardware, software, networking, security
 - eCommerce software systems, payment systems
 - Media solutions, performance enhancement
 - CRM software
 - Databases
 - Hosting services, etc.

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How the Internet and the Web Change Business

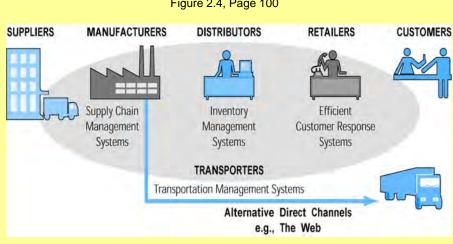
- eCommerce changes industry structure by changing:
 - Basis of competition among rivals
 - Barriers to entry
 - Threat of new substitute products
 - Strength of suppliers
 - Bargaining power of buyers

Industry Value Chains

- Set of activities performed by suppliers, manufacturers, transporters, distributors, and retailers that transform raw inputs into final products and services
- · Internet reduces cost of information and other transactional costs
- Leads to greater operational efficiencies, lowering cost, prices, adding value for customers

eCommerce and Industry Value Chains

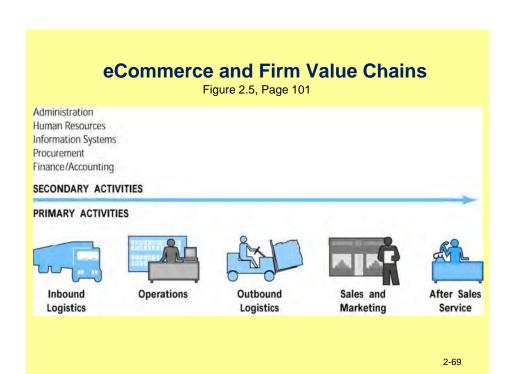
Figure 2.4, Page 100



Firm Value Chains

- Activities that a firm engages in to create final products from raw inputs
- · Each step adds value
- Effect of Internet:
 - Increases operational efficiency
 - Enables product differentiation
 - Enables precise coordination of steps in chain

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Firm Value Webs

- Networked business ecosystem
- Uses Internet technology to coordinate the value chains of business partners
 - Within an industry
 - Within a group of firms
- Coordinates a firm's suppliers with its own production needs using an Internet-based supply chain management system

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Internet-Enabled Value Web

Figure 2.7, Page 105



Business Strategy

- Plan for achieving superior long-term returns on the capital invested in a business firm
- · Four generic strategies
 - 1. Differentiation
 - 2. Cost
 - 3. Scope
 - 4. Focus

DISCUSSION QUESTIONS

- 1. What is a business model? How does it differ from a business plan?
- 2. What are the eight key components of an effective business model?
- 3. Would you say that Amazon and eBay are direct or indirect competitors? (You may have to visit the Web sites to answer.)
- 4. Describe the five primary revenue models used by ecommerce firms.
- 5. Besides news and articles, what other forms of information or content do content providers offer?
- 6. What are four generic business strategies for achieving a profitable business?

1 .What is a business model? How does it differ from a business plan?

- A business model is a set of planned activities (business processes) that are designed to result in a profit in the marketplace.
- A **business plan** on the other hand, is a document that outlines the details of a business model.

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2. What are the eight key components of an effective business model?

- value proposition
- · revenue model
- market opportunity for the firm (the marketspace and how big it is)
- competitive environment for the firm (who the competitors are in the marketspace)
- competitive advantage the firm brings to the marketspace (the unique qualities that set the firm apart from others in the marketspace)
- market strategy the firm will use to promote its products and services
- organizational development of the firm that will enable it to carry out its business plan
- capabilities of the management team to guide the firm in its endeavors

3. Would you say that Amazon and eBay are direct or indirect competitors?

(You may have to visit the Web sites to answer.)

- Amazon and eBay are direct competitors because they sell products and services that are very similar, and they sell to the same market segment.
- They both sell books, music, computers and software, games and toys, electronics, tools, movies and DVDs, and camping equipment.
- eBay has a consumer-to-consumer business model while Amazon has a business—to-consumer business model.
- Even though eBay sells new, overstocked, remaindered, and used products at discounted prices, the two compete for essentially the same market segment of consumers.
- eBay may attract the bargain hunter variety of shopper who would not stop at Amazon first, but it is still essentially the same market segment.

4. Describe the five primary revenue models used by ecommerce firms.

- Advertising revenue model derives its profit by displaying paid advertisements on a Web site. The goal is to convince advertisers that the site has the ability to attract a sizeable viewership, or a viewership that meets a marketing niche sought by the advertiser.
- Subscription revenue model offer users access to some or all of their content or services for a subscription fee.
- Transaction fee revenue model
 Firms that use TFR model derive profit from enabling or executing transaction, i.e.
 transaction fees are paid to eBay when a seller is successful in auctioning off a
 product, and E*Trade receives a transaction fee when it executes a stock
 transaction for a customer.
- Sale revenue model Companies draw profit directly from the sale of goods, information, or services to consumers.
- Affiliate revenue model
 Sites receive referral fees or a percentage of the revenue from any sales that result from steering business to the affiliate.

5. Besides news and articles, what other forms of information or content do content providers offer?

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- Besides news and articles, content providers may also supply
 - music,
 - photos,
 - video.
 - artwork,
 - educational materials, or
 - games.

6. What are four generic business strategies for achieving a profitable business?

- **Differentiation** involves setting your firm or product apart from the competition by establishing some unique property or consumption experience that your competitors do not have.
- A firm that adopts a cost strategy must have a unique set of business processes, a unique resource, or a low cost supplier. It is essential that other firms in the marketplace do not have access to, or cannot duplicate, this since it will allow them to charge a lower price while still making a profit.
- A scope strategy sets out to compete in all markets around the globe, rather than just locally or regionally.
- A focus strategy on the other hand, is a plan to compete within a narrow market segment or product segment. Specialization strategists seek to become the premier provider in a small market segment or niche.