

E-Commerce

How can Businesses Benefit from e-commerce?

Assoc.Prof.Dr. Hasan Amca
(IT Specialist, EMU, UN-DP)



Eastern Mediterranean University
School of Computing and Technology
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Introduction: What is e-Commerce?

2

Types of e-commerce

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Which e-commerce technology can be used?

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What is the legal framework of e-commerce?

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Uses of e-commerce for your business

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Its about time for e-commerce

- ✱ Internet enables businesses to exist around the globe,
 - without the need for physical existence
 - with low expenses
- ✱ This creates an attractive market for all products,
 - specially those that can be electronically transported
- ✱ Internet and other commercial networks provide new business opportunities

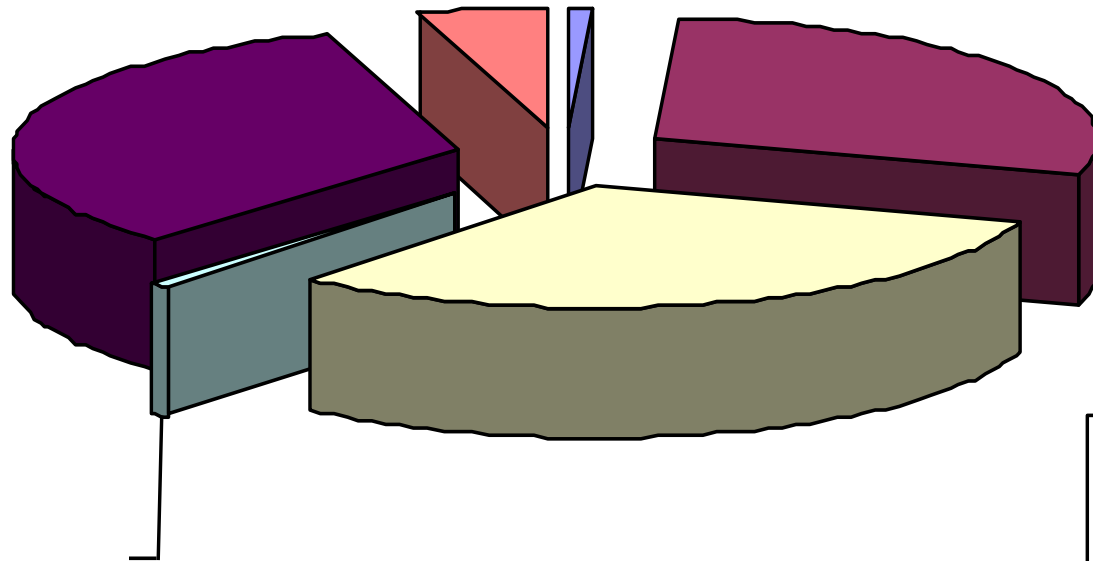


Secure Payment Methods Boosted Developments in e-Commerce

- ✱ But, so far, developments were limited
- ✱ In the last few years, there has been considerable developments in secure payment systems
- ✱ These led to a system that allows low cost and universal payments,
 - specially the payment of small amounts



Most of the Internet users today are in USA or EU



- but the share of other countries is increasing





Designing a web page is NOT e-commerce

e-commerce is the type of commerce where all transactions are done in electronic processing and communication media

REQUIRES

- new inputs and transactions
- Online selling
- Customer Relations Management
- Online processing of order, billing, delivery
- Fast money and service flow

E-commerce – commerce done by electronic means



The collage consists of several overlapping browser windows from Microsoft Internet Explorer, all displaying the Hepsiburada.com website. The windows show different parts of the user interface:

- Search Page:** Shows the search bar with 'Bilgisayar' entered and a list of product categories like 'Bilgisayar', 'Ofis / Kırtasiye', 'Telefon', etc.
- Product Details Page:** Shows details for a Toshiba Satellite P20-S203 laptop, including its specifications and price.
- Shopping Cart (Sepetim):** Shows a list of items in the cart, including a Toshiba Satellite P20-S203 laptop, with a total price of 133,50 TL.
- Shipping Address Form (Teslimat Adresi):** Shows a form for entering shipping details, including name, surname, address, postal code, and city (Istanbul).

of world's most consumer e-

ty's consumer

let
done

S



Many businesses perform transactions with their business partners and customers through partner extranets

★ *Carnival Cruise Lines, Travel Agent Extranet*



- *CCL supports their agents for brand and image making*
- *Travel agents directly use CCL mainframe and SABRE reservation system for making reservations*
- *Some examples for the system functions*
 - ★ *Product info,*
 - ★ *Agents records,*
 - ★ *Special reductions,*
 - ★ *Order follow-up,*
 - ★ *Billing and*
 - ★ *EDI connection*



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E-commerce is NOT a new form of commerce

It is merely commerce realized in a new platform and new methods

- ✱ E-commerce
- ✱ E-state
- ✱ E-business
- ✱ E-bulletin
- ✱ E-ticket
- ✱ E-shop
- ✱ E-government
- ✱ E-magazine
- ✱ E-catalogue
- ✱ E-company
- ✱ E-meeting
- ✱ E-book
- ✱ E-Europe
- ✱ E-market
- ✱ E-noter
- ✱ E-person



Oracle Self Service Purchasing



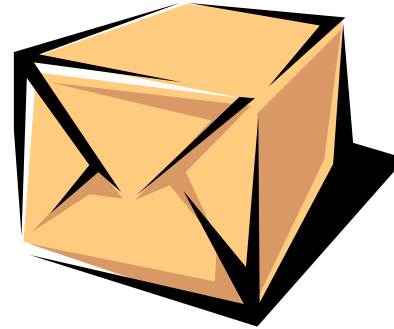
1

Enter requisition
on web using
online forms and
catalogues



2

Workflow
approval



3

Supplier notified
and delivers
directly to you



4

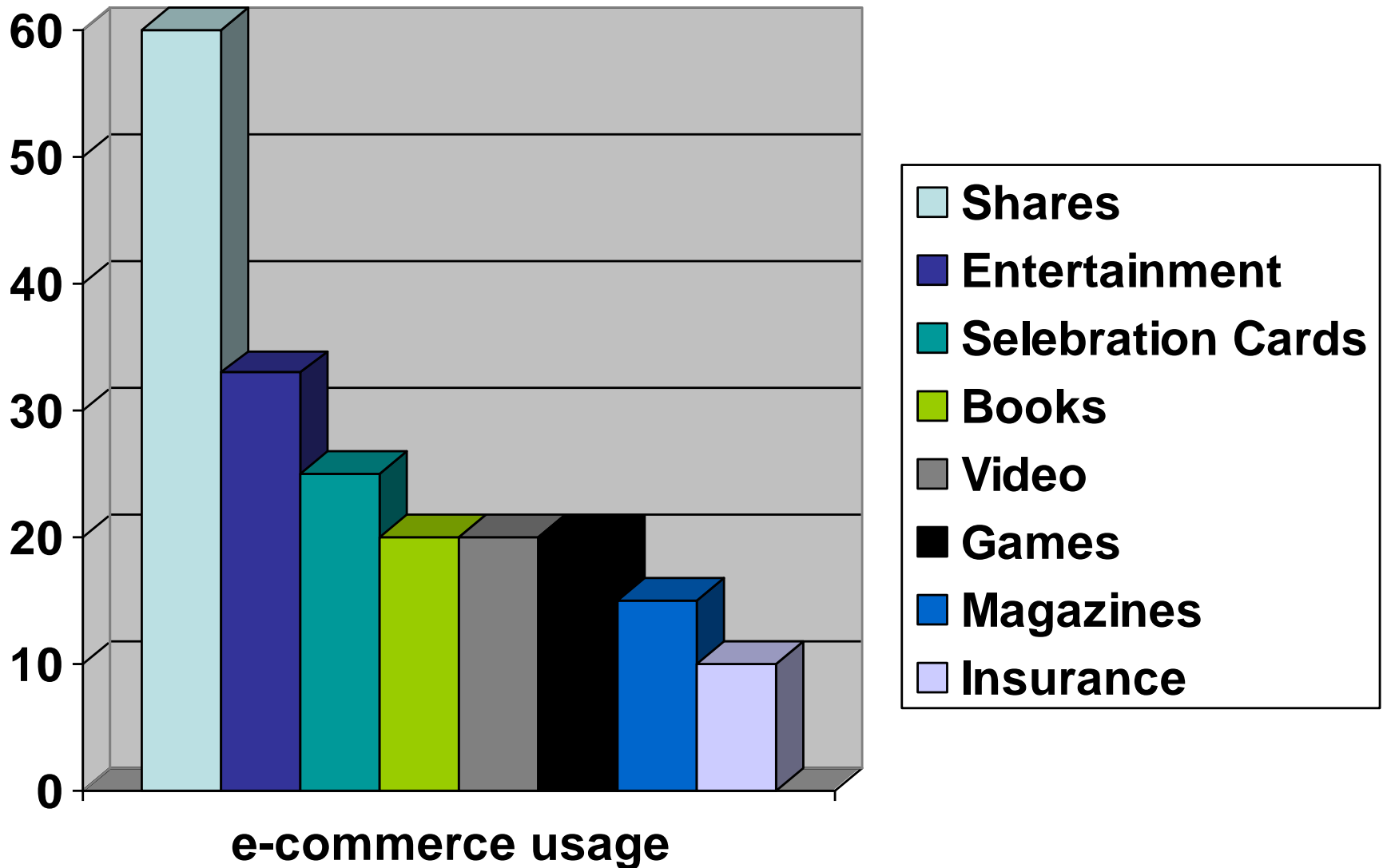
Record receipt on
the web

System electronically routes transactions, checks employee status, checks addition, creates PO release, pays supplier on receipt, etc.

Employees and suppliers may enquire online
as to status of transaction anytime.

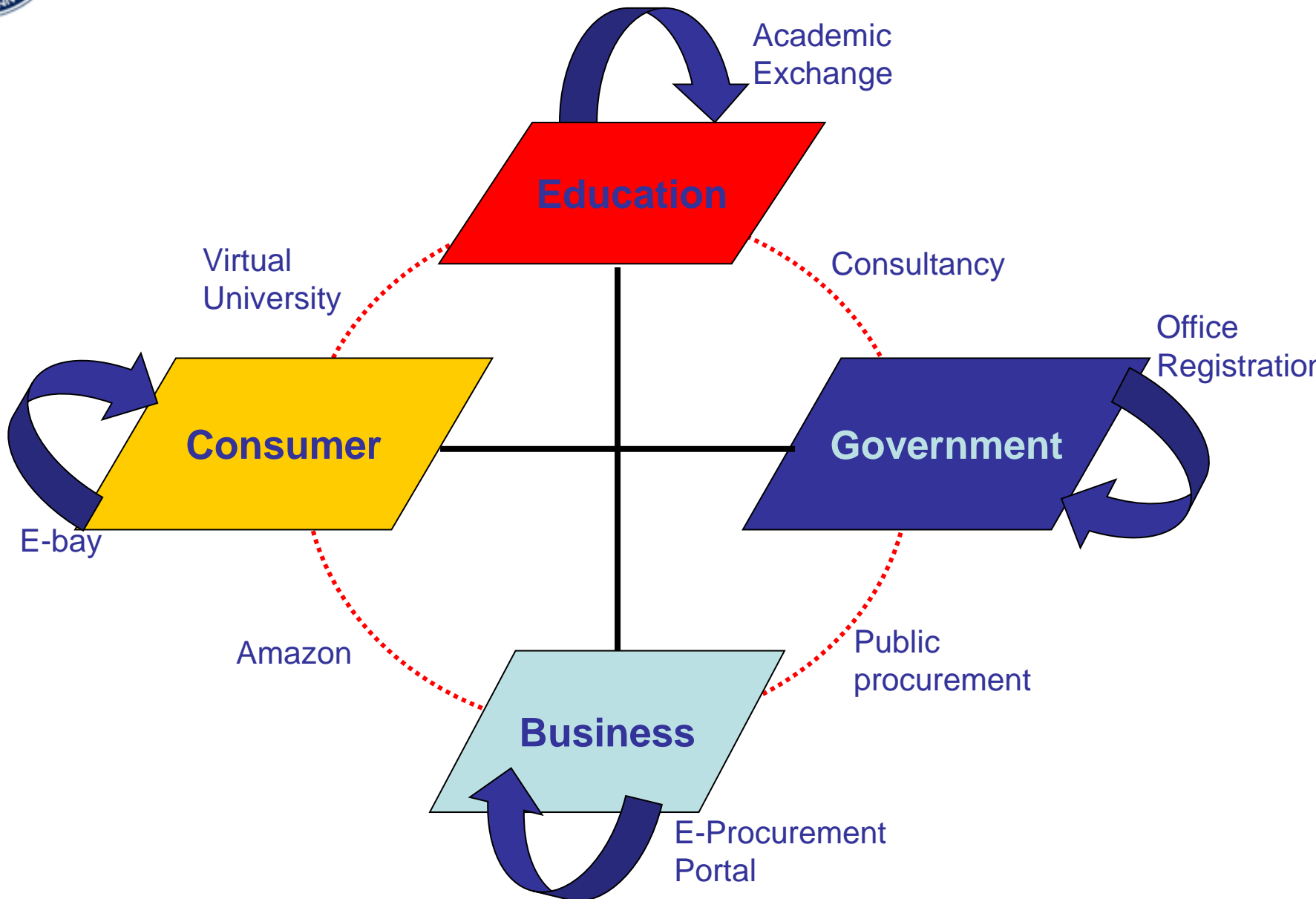


E-commerce usage rate is the highest in the finance and entertainment sectors





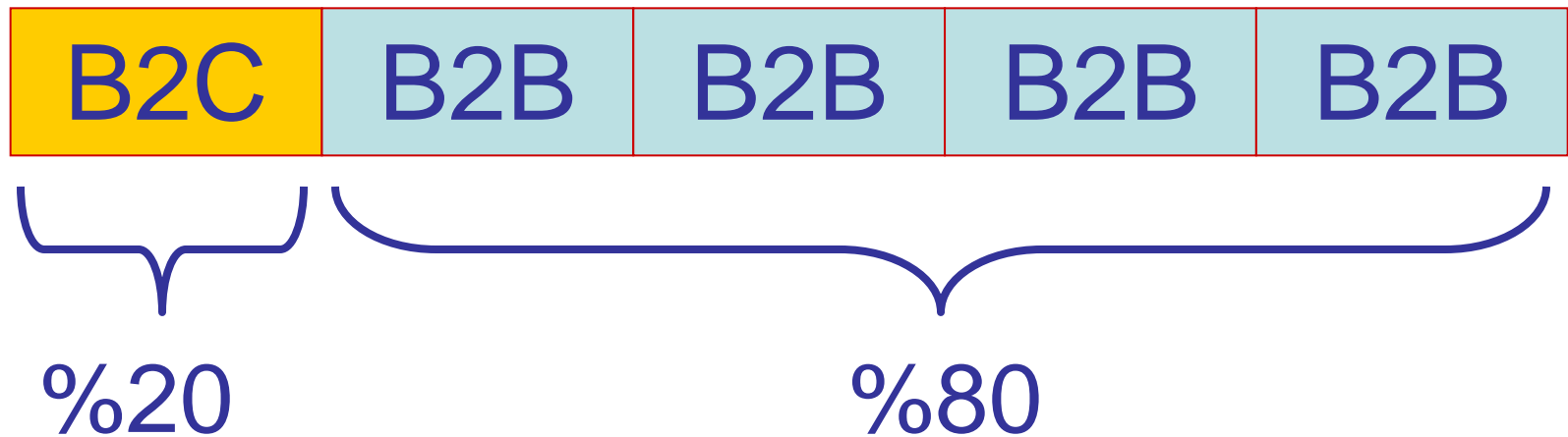
E-commerce may take place between or inside the sectors.





Despite amazon.com being regarded as a typical e-commerce business site,

most of the e-commerce is done between businesses





Is this an e-commerce example?

- ✱ Electric meters are read by hand-held computers
- ✱ Customers pay the bill to the bank and get their receipts
- ✱ The bank transfers the money to the Electricity authorities account





Government related business Transactions can be done successfully on the Internet

- Tax payments
- Obtaining health certificates
- Obtaining licences to run a business
- Passport issues
- Changing identification information
- Registering your dog
- Applying for resident permit



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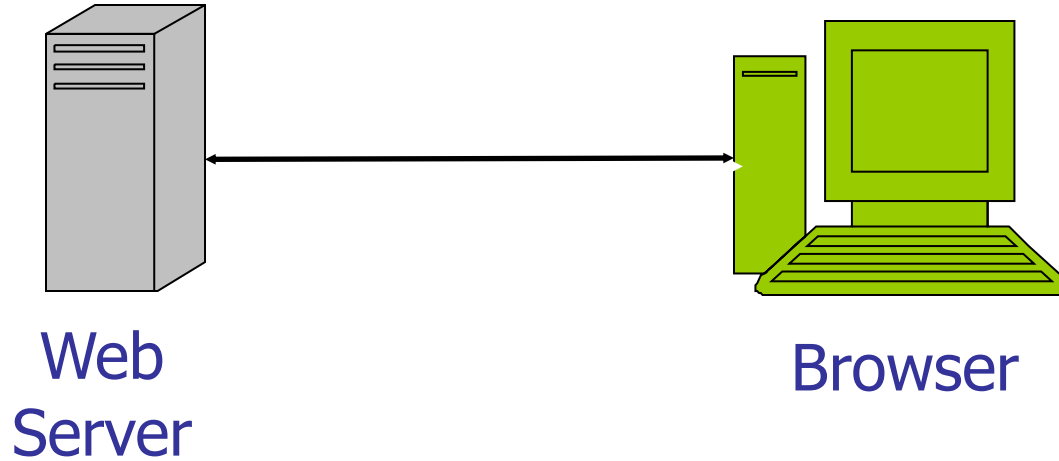
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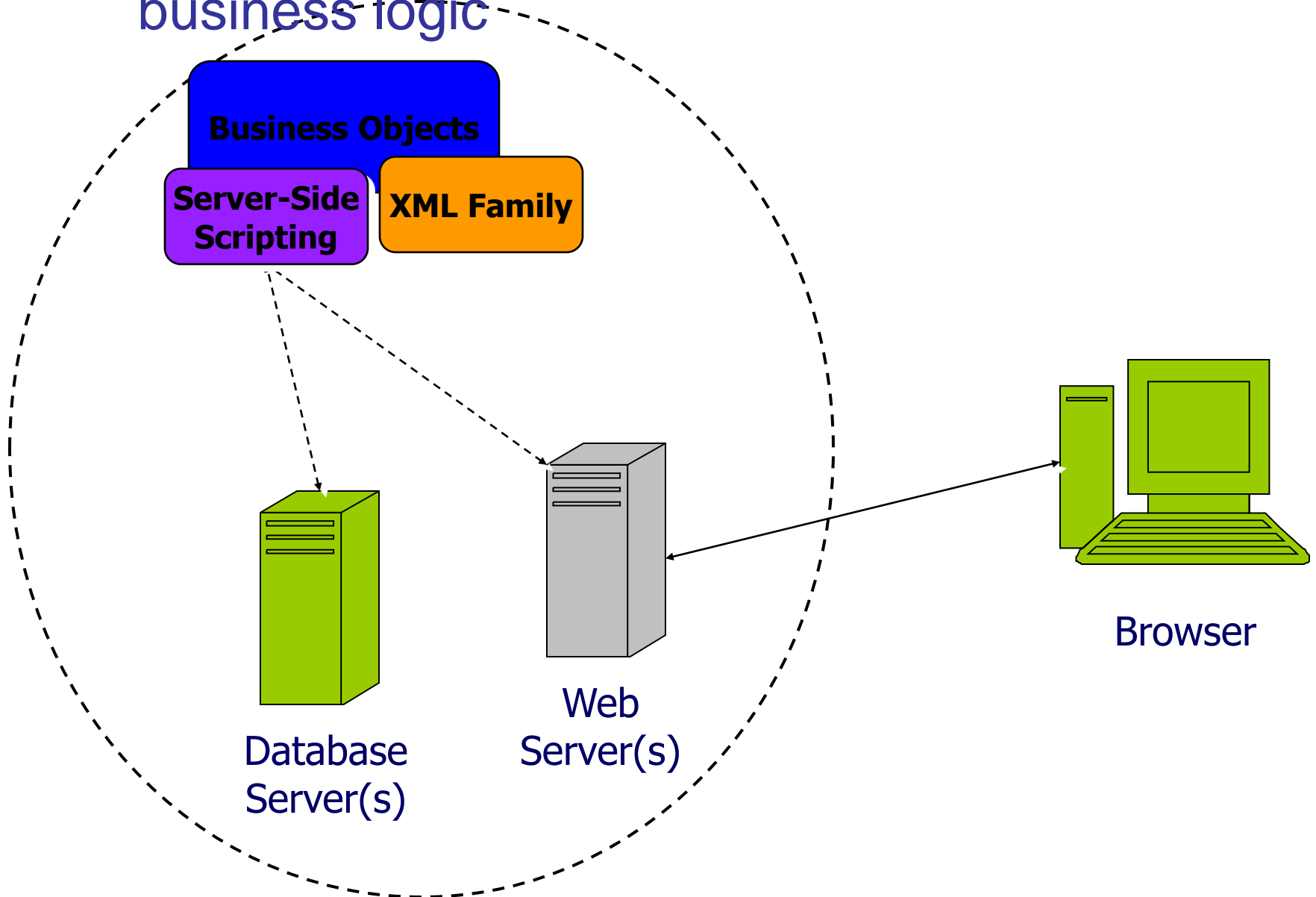


Most of the web sites are managed through simple web servers



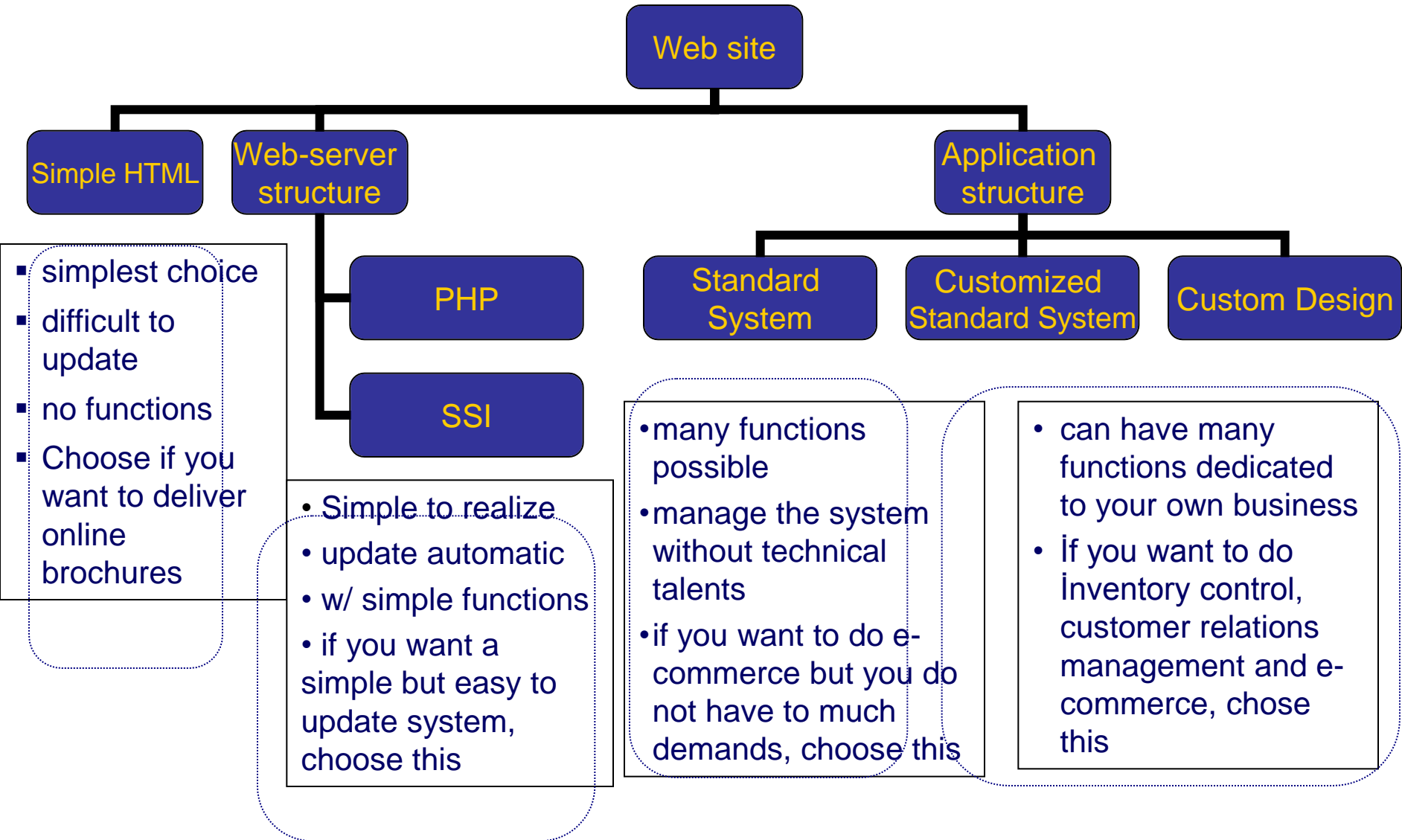


An application server environment is more complicated but it involves much more business logic



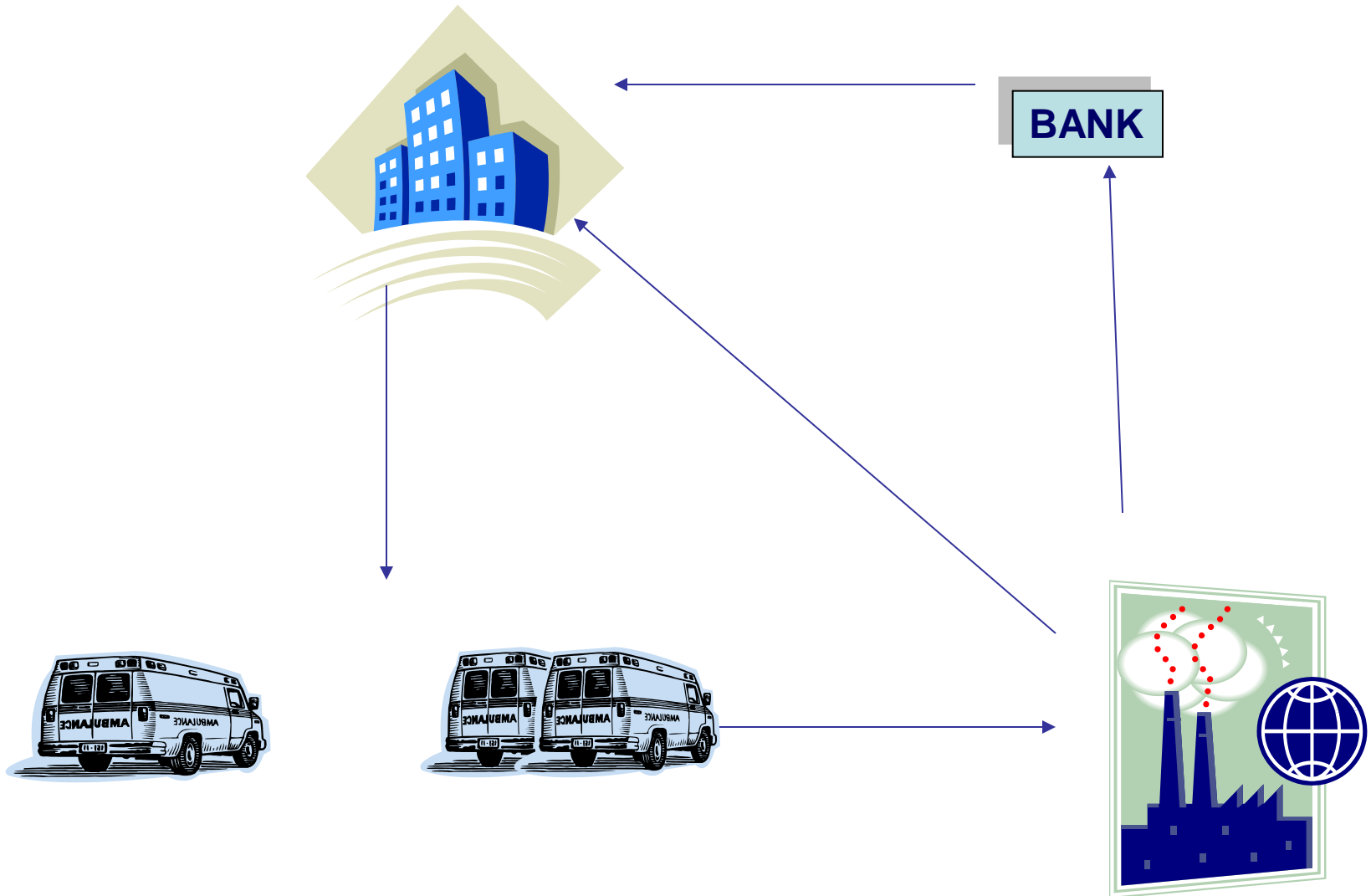


One of the most important decisions to make is to decide which technology to choose





You can do e-commerce outside the Internet using the EDI protocol and procedure





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Despite e-commerce laws exist in European countries, general commerce rules applies

Areas to be rearranged (Acquis Communautaire example)

- Commerce Law
 - Mobility of on-line services
 - Conditions and adaptation of electronic agreements
 - Conflict resolution
 - Electronic signature and validity conditions of the receipts
- Copyright
 - Protection of software and databases
 - Protection of the Web sites design and software
- Tax laws
 - Application of VAT in international transactions
- Data Protection and Security
 - Conditions and ways to use personal data
 - Conditions and ways to use Spam, spyware, cookies etc.
- Punishment Law
 - Banning hacking, sending viruses, 'denial of service' attack
- Telecommunication law
 - Regulatory bodies must be established to provide intense competition and low pricing



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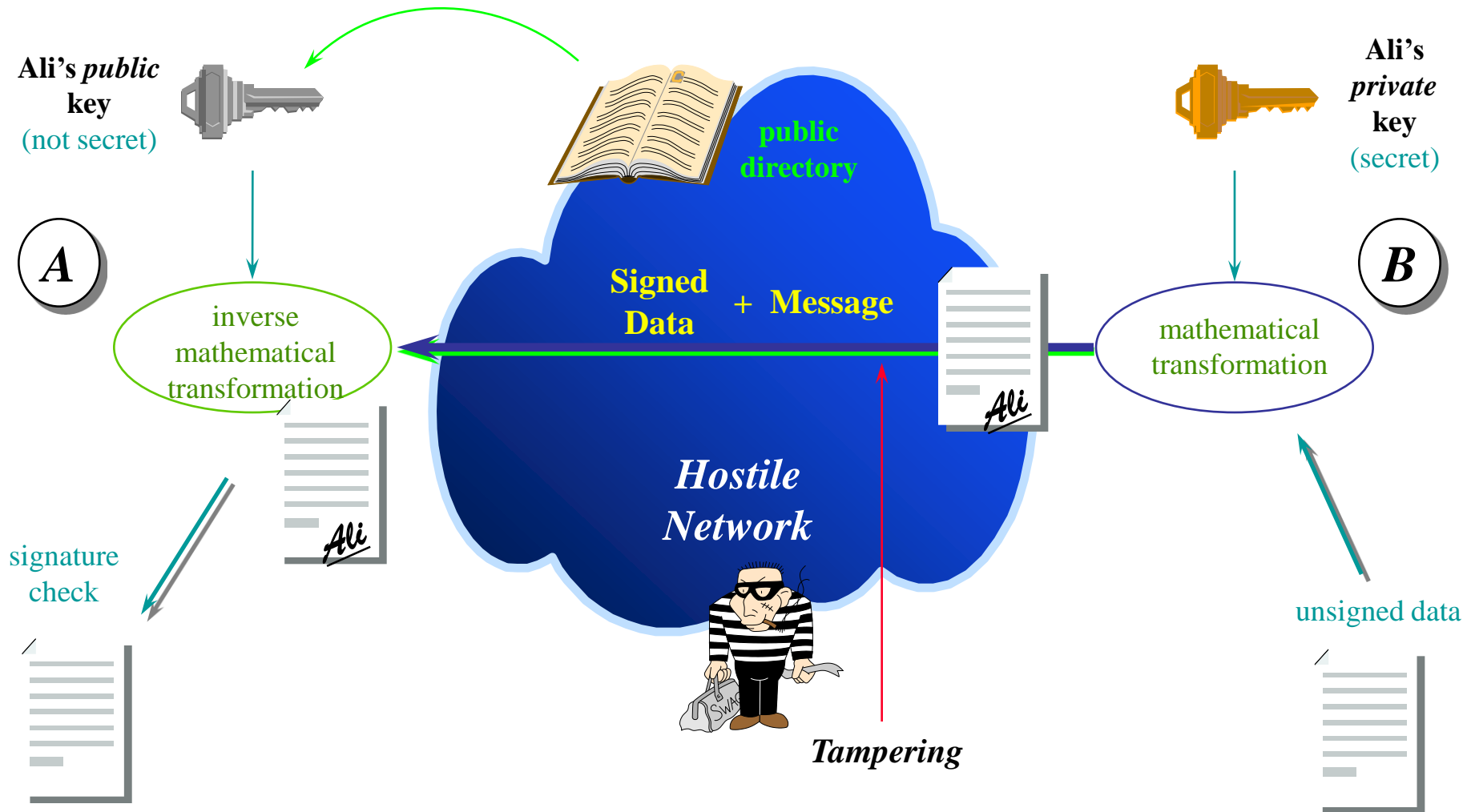
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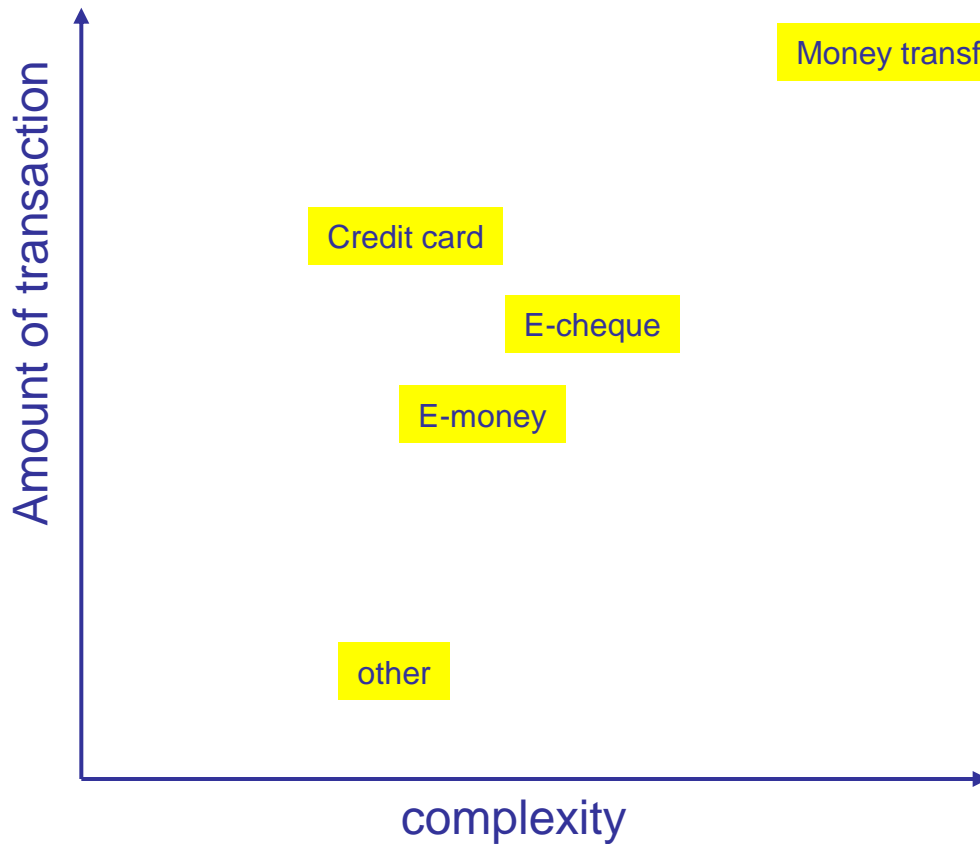


Digital Signatures





Which payment scheme to use depends on different factors



- ✱ Transaction amount
- ✱ The usage of the applied payment method by the target customers
- ✱ The salary scale per business and consumer
- ✱ Transaction security
- ✱ Technical feasibility approval/transaction
- ✱ Default risk



The most common payment tool is the credit card

- ✱ It has a standard payment infrastructure all around the world
- ✱ The most common payment scheme on Internet based commerce (the only one in Turkey)
- ✱ Based on the encoding of information, SSL and SET protocols are used during e-commerce in order to avoid the credit card information to be obtained by third parties
- ✱ E-commerce security is easily provided



Electronic money can be used for payment of smaller amounts

- ✱ Electronic money is a form of money (with a serial number) developed to be used in the Internet
- ✱ To benefit from the Electronic money system,
 - Special software of the companies using electronic money should be loaded in your computer
 - And an account should be opened in one of the banks working with the electronic money company
- ✱ Electronic money software enables a certain amount of money to be drawn from the bank account and saved in electronic media in order to be used in payment internet based expenses
- ✱ Some examples to companies giving electronic money services are: www.cybercash.com, www.digicash.com



you can use electronic cheque instead of credit card

- ✿ This payment system enables payment of the e-commerce transactions by electronic cheque
- ✿ In electronic cheque system, payments can be done without a credit card by entering the necessary bank account information to the forms in the e-commerce site
- ✿ The user, in a sense, pays the expenses by issuing a cheque to the e-commerce business site
- ✿ The bank system clears the money transfers every day and controls the necessary conditions of the bank account to complete the e-commerce transaction
- ✿ And informs the e-commerce site through encrypted channels about these conditions
- ✿ www.echeck.org



There are many other payment methods...

- ✱ Escrip: used to pay very low amounts such as charity-donations
- ✱ IPIN: It reflects the e-commerce expenses on the ISP bills
- ✱ PCPay: Smart Card based payment method
- ✱ ECharge My Phone: method that integrates the e-commerce expenses and mobile phone bill
- ✱ First Virtual: a third party collects the payments and delivers them to the related party



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E-commerce

- ✱ First comers take the largest byte in the market:
www.amazon.com, www.dell.com
- ✱ Low investment: any business can transform to e-commerce with a little investment
- ✱ Entering the Global Market: sale to whole world
- ✱ Reduced sale cost
- ✱ No need to face-to-face talk
- ✱ Turns the processes to automatic
- ✱ Not limited by time differences, region, climate
- ✱ Sale for 24 hours
- ✱ What if your rivals do it?



The benefits of e-commerce

- Low marketing and sale costs
- Low design and production costs
- Entering the remote markets
- Equal opportunity to reach the market
- Accessing the new markets
- Customer supported product and service quality
- Avoids unfair competition among commercial businesses.
- E-commerce develops
- Production quality improves
- Export grows, national economy grows



Integrate e-commerce into your business strategy

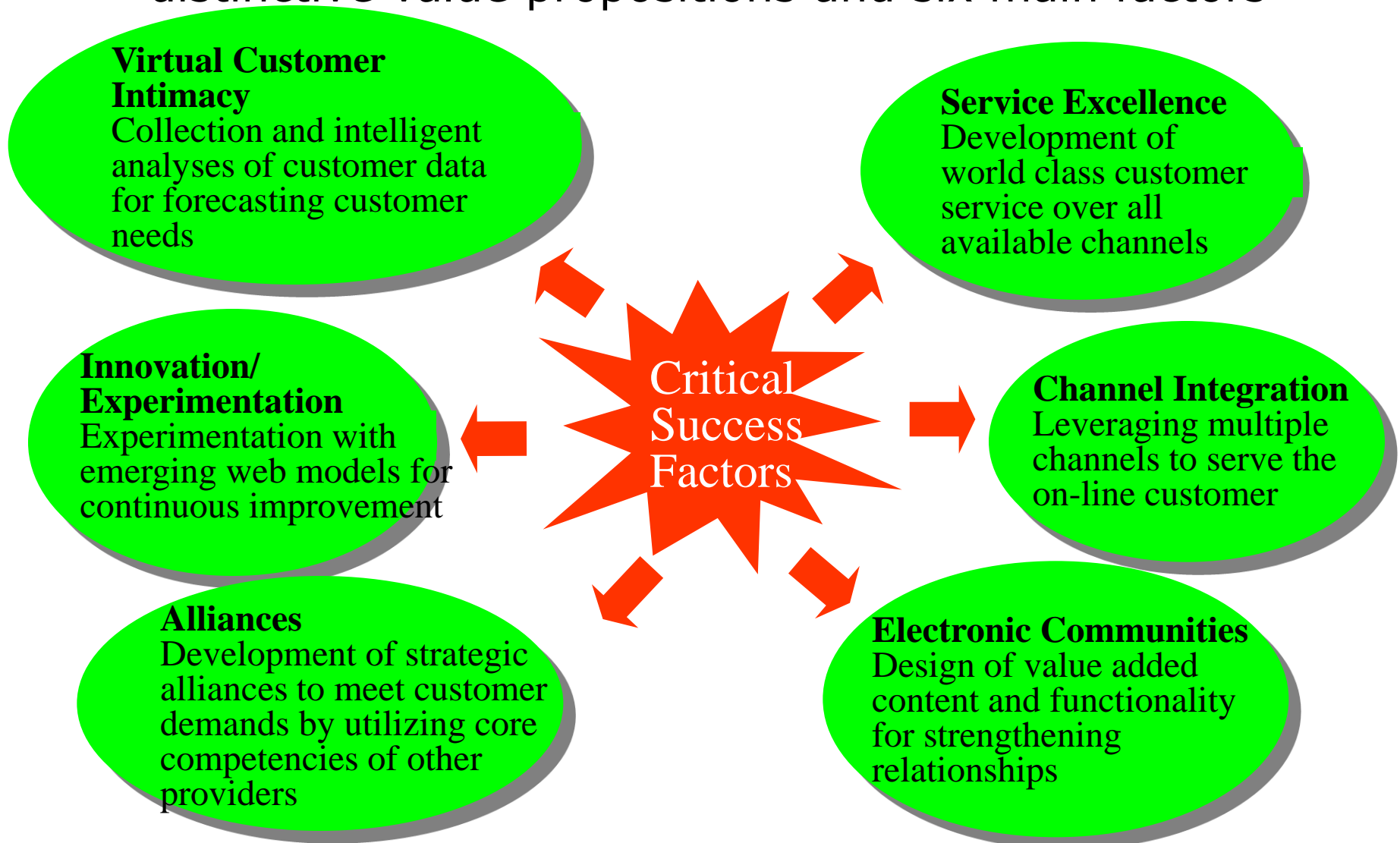
- ✱ Taking a place in the electronic market
- ✱ Effective Customer Relations Management
- ✱ E-commerce
- ✱ Supply Chain Management
- ✱ Inventory Management

These are in fact just the tools to realize your business objectives!



Critical Success Factors

The success of any Internet venture is a combination of distinctive value propositions and six main factors





Prepare a business plan before entering Internet and the e-commerce

☀ Description of the business model

- What are the most important merits of your business
- Who are our customers?
- Who are our online customers?
- What kind of role can e-commerce play in your business success?
- How can you manage customer relations through Internet?



Prepare a business plan before entering Internet and the e-commerce

★ Technical Strategy

- What are your current systems?
- Will you built a new system or do Integration?
- What are the functions you need?
- How will you design your web page?
- What is the ccontent?
- Who will update the system?
- How shall we attract customers attention continuously?



Prepare a business plan before entering Internet and the e-commerce

☀ Marketing Plan

- How will you promote your web site?
- How many visitors are you planning per week?

☀ Cost

- How much are you planning to invest?

☀ Income

- What do you need to reach the break-even point?

☀ When will you reach the break-even point?

☀ In what conditions?



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Thanks



See you in North Cyprus