

Chapter VII: User Interface Design

Providing interactive and easy to use interfaces is an important task of system designer using system design. People always look for computer software that help them solve their problems in easy steps.

1. Good interface

A good interface should clearly define 1. input and output data of the business transaction, and 2. screen presentation including its layouts and the sequence of screens to complete a business transaction.

Chapter VII: User Interface Design

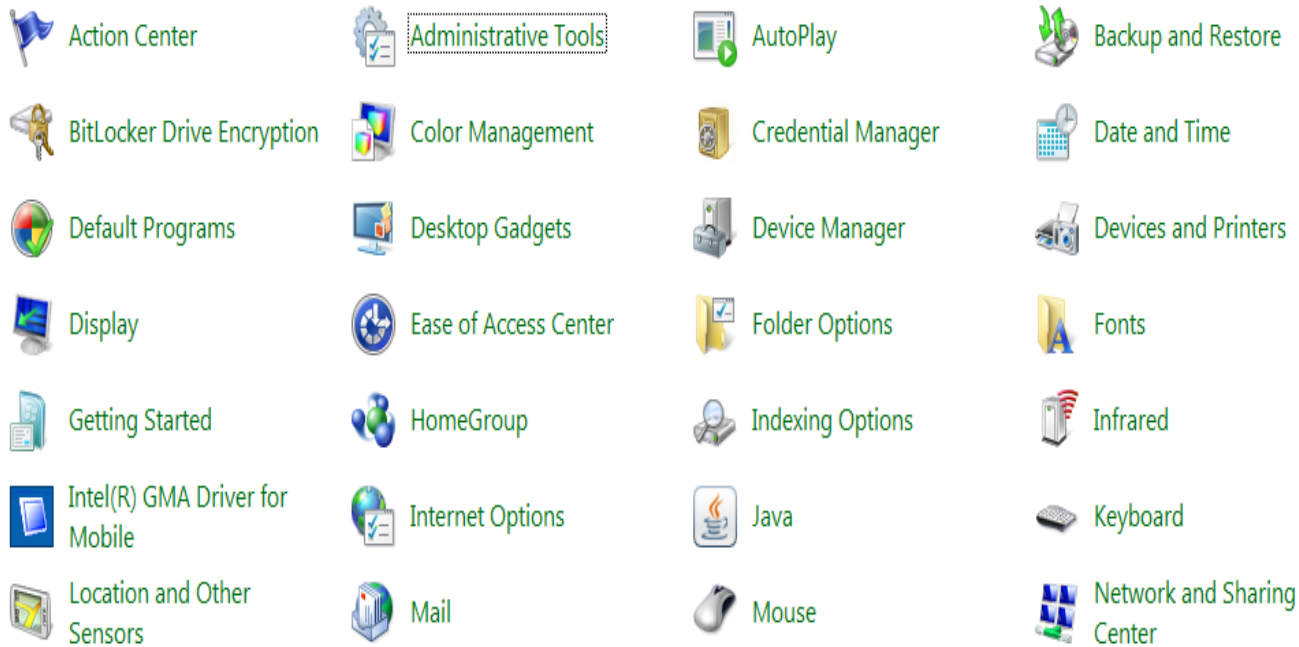
1. 1 Interface objects

Based on requirements model, system designer can determine the objects must be placed on the software interface. The user interacts with those objects to accomplish transactions. Each interaction with one object results in one transaction. For example, based on the USE CASE model of the ATM system, the interface objects can be Balance Enquiry, Withdrawal, and Deposit. When the user interacts with Withdrawal object, the he/she wants to do withdrawal transaction.

Chapter VII: User Interface Design

Adjust your computer's settings

View by: **Large icons** ▾

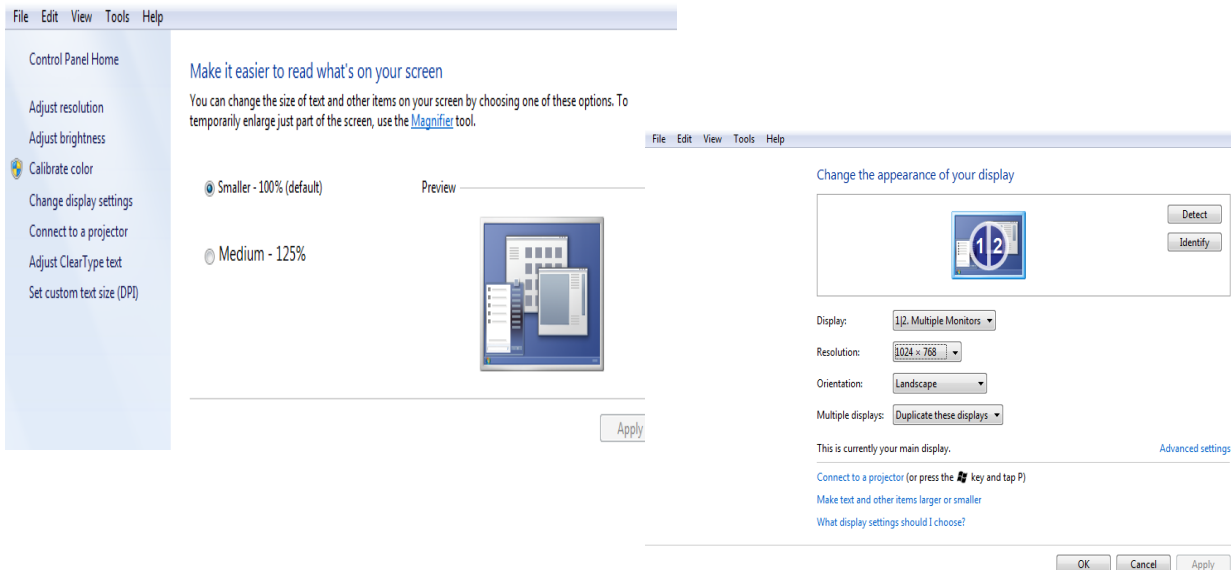


Chapter VII: User Interface Design

1. 2 Interface Presentation

A good interface must present the information in a clear and easy to understand manner.

The good layout of information and sequence of screens that the user has to interact will help the user to solve his/her problem confidentially.

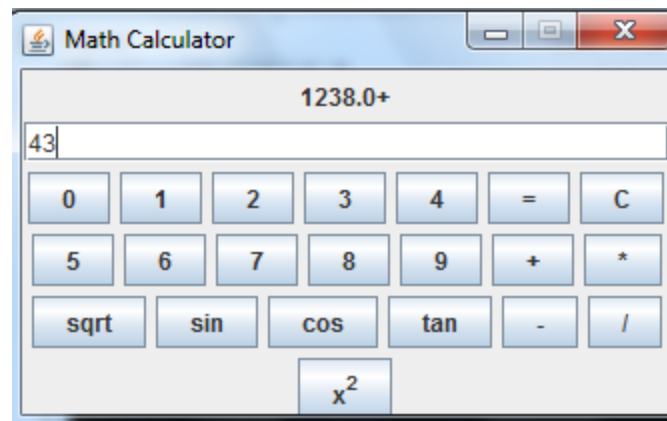


Chapter VII: User Interface Design

1. 3 Robustness

In every work, a user might take incorrect actions that lead to system breakdown.

The good interface not only prevents the errors from entering the system but also helps the user correct the errors. For example, the input text box of the calculator program should accept only digit, backspace, dot, or delete key.



Chapter VII: User Interface Design

1.4 Usability

The usability of the interface defines how easy it is to use the interface. Answering the following questions is useful when the interface is measured.

- Are all information needed by the user are on the screen?
- Is the system helpful and easy to learn?
- How long does the system take to perform a task?

To ensure the system usability , it must be integrated in to system development cycle. The users have to actively involve in interface usability experiments.

Chapter VII: User Interface Design

2. Website Design

Now, it is common to design interfaces for websites. A good designed website increases user experience and shapes the image of business organization to a wide range of audiences. How to do a good web design?

To answer this question, It is important to understand what form the good web site design.

Chapter VII: User Interface Design

a. Content of the website

The content is the most important part of the website. Writing original and useful content keeps the old audiences and attracts new audiences.

"The best way to get other sites to create relevant links to yours is to create unique, relevant content that can quickly gain popularity in the Internet community. The more useful content you have, the greater the chances someone else will find that content valuable to their readers and link to it. Before making any single decision, you should ask yourself the question: Is this going to be beneficial for my page's visitors? It is not only the number of links you have pointing to your site that matters, but also the quality and relevance of those links. Creating good content pays off: Links are usually editorial votes given by choice, and the buzzing blogger community can be an excellent place to generate interest," Google said.

Chapter VII: User Interface Design

B. Text Layout

Consider placing, and arranging text on the web page in the manner that the users feel comfortable.

Heading styles (H1, H2, H3, etc.) , boding, color, font size should be used properly to structure the content and stress the important points.

The screenshot displays the Amazon.com homepage with the following elements:

- Header:** Amazon logo with "Join Prime" badge, navigation links for "Your Amazon.com", "Today's Deals", "Gift Cards", "Sell", and "Help".
- Search Bar:** Includes "Shop by Department" dropdown, search input field with "All" filter, and a "Go" button.
- Account & Cart:** Links for "Hello. Sign in Your Account", "Join Prime", "Cart" (showing 0 items), and "Wish List".
- Product Categories:** A row of icons for "Instant Video", "MP3 Store", "Cloud Player", "Kindle", "Cloud Drive", "Appstore for Android", "Digital Games & Software", and "Audible Audiobooks".
- Kindle Promotions:** Two featured products: "Kindle Fire HD" (The ultimate HD experience, starting at \$199) and "Kindle Paperwhite" (The world's most advanced e-reader, starting at \$119).
- Cinco de Mayo:** A promotional banner for "Join in the Fiesta" with a "Shop now" link.
- TV Shows:** A section titled "Instantly Watch TV Shows with Amazon Instant Video" featuring "Breaking Bad", "New Girl", and "Downton Abbey" with a "Watch now" button.
- Amazon Fashion:** A banner for "Amazon Fashion" with the text "A Good Night's Sleep", "Clothing Trends", and "Amazon Prime".

Chapter VII: User Interface Design

YAHOO!

Web ▾

Search

- Mail
- News
- Finance
- Sports
- Movies
- omg!
- Shine
- Autos
- Shopping
- Travel
- Dating
- Jobs

More Y! Sites >

Make **YAHOO!**
your homepage



Shots fired at Colorado marijuana rally

Three are shot by an unknown assailant during a large gathering at Denver's Civic Center Park. **Not life-threatening injuries** »

1 - 5 of 45 ||



All Stories News Entertainment Sports Business More ▾

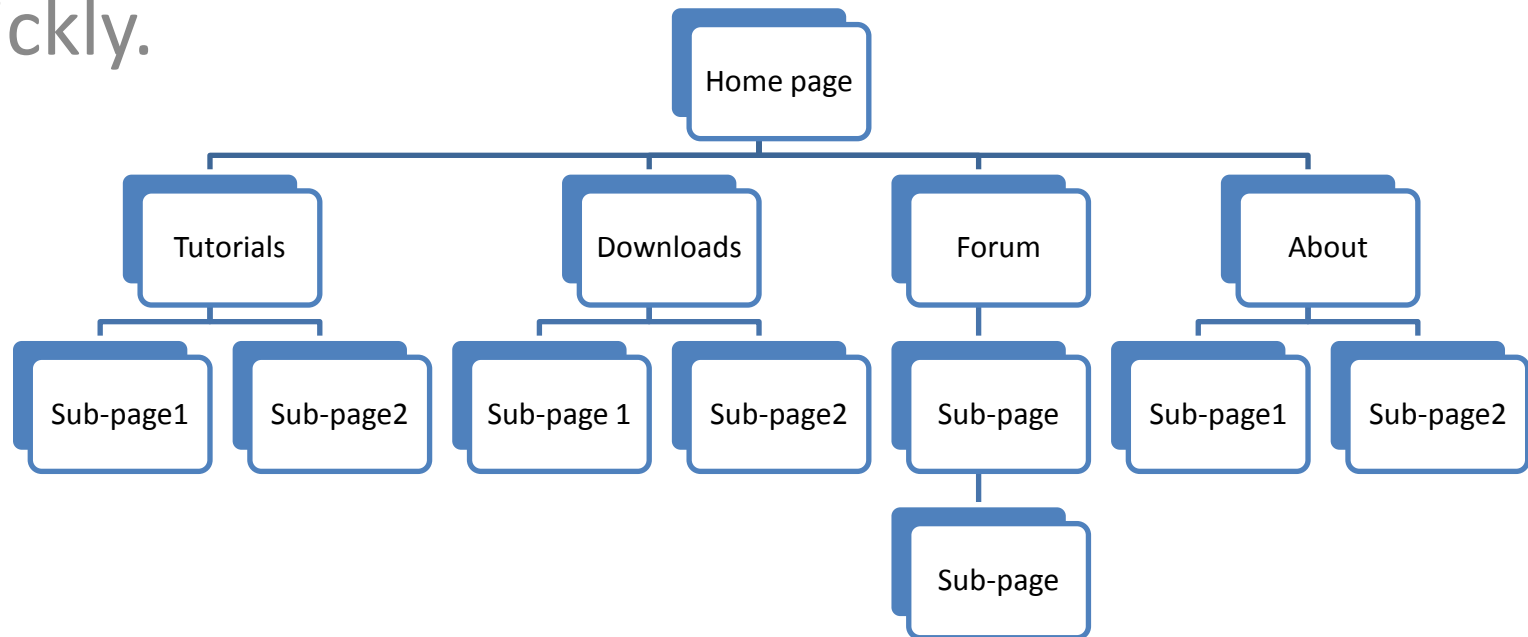
Henderson wins split decision in UFC lightweight bout

SAN JOSE, Calif. -- Benson Henderson has made a career out of tight decisions. But he rarely has had a closer shave than the one he had Saturday
The SportsXchange

Chapter VII: User Interface Design

C. Structure of the website

A well-structured website helps both the users and search engines discover your web pages quickly.



Chapter VII: User Interface Design

D. Customer service

For a business website, providing a good customer service is an important part contributing to its success. Customers need your supports, want you to answer their enquiries quickly and helpfully.



Chapter VII: User Interface Design

E. Visuals

Visual effects of the website attract the users. Images, and backgrounds should be used properly to convey thoughts, and identity. Too many images in a web page result in slow page load. Color is also an important element of visualization. People from different cultures define different meanings on colors. In Cambodia, wearing white clothes is a sign of grief in funeral. This is contrast to the Western countries that use black color to convey the grief.

