Computer Science

First Stage 2021-2022

1st Semester

Lecture 1

Computers and Pharmacy

By
Assistant Lecturer
Husam K Salih

Outline

- Computers & Pharmacy
- Computers
- Operating Systems
- Computer Applications
- Microsoft Windows 7
- Microsoft Office 2010

Computers & Pharmacy

Computers and Pharmacy

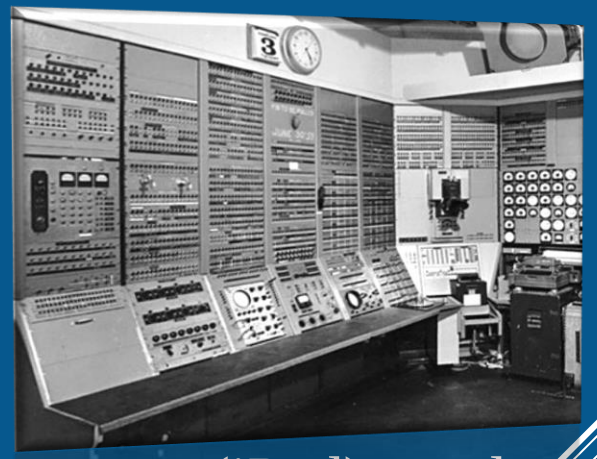
- Computers in pharmacy are used for the information of drug data, records and files, drug management, and business details.
- Computers are widely used in hospital pharmacy, new drug discovery, drug design analysis, and manufacturing of drugs.
- Using the computers are useful for the patient profile monitoring.
- The computers can help run the business operations efficiently.

Computers and Pharmacy

- Applications of Computers in Pharmacy:
  - Usage of computers in the retail pharmacy
  - Computer aided design of drugs (CADD)
  - Use of Computers in Hospital Pharmacy
  - Data storage and retrieval
  - In Research Publication
  - Digital Libraries
- Accuracy, speed, multitasking, reduction in time and man power are the main advantages of computers in pharmacy.

Computers

- Computers are machines that perform tasks or calculations according to a set of instructions, or programs.



- The first fully electronic computers, introduced in the 1940s
- Desktop computer, Laptop computer/notebook, Tablet computers (iPad), and Smartphones (iPhone, Blackberry) are the types of the computers.
- Computers are consist of (Hardware and Software)

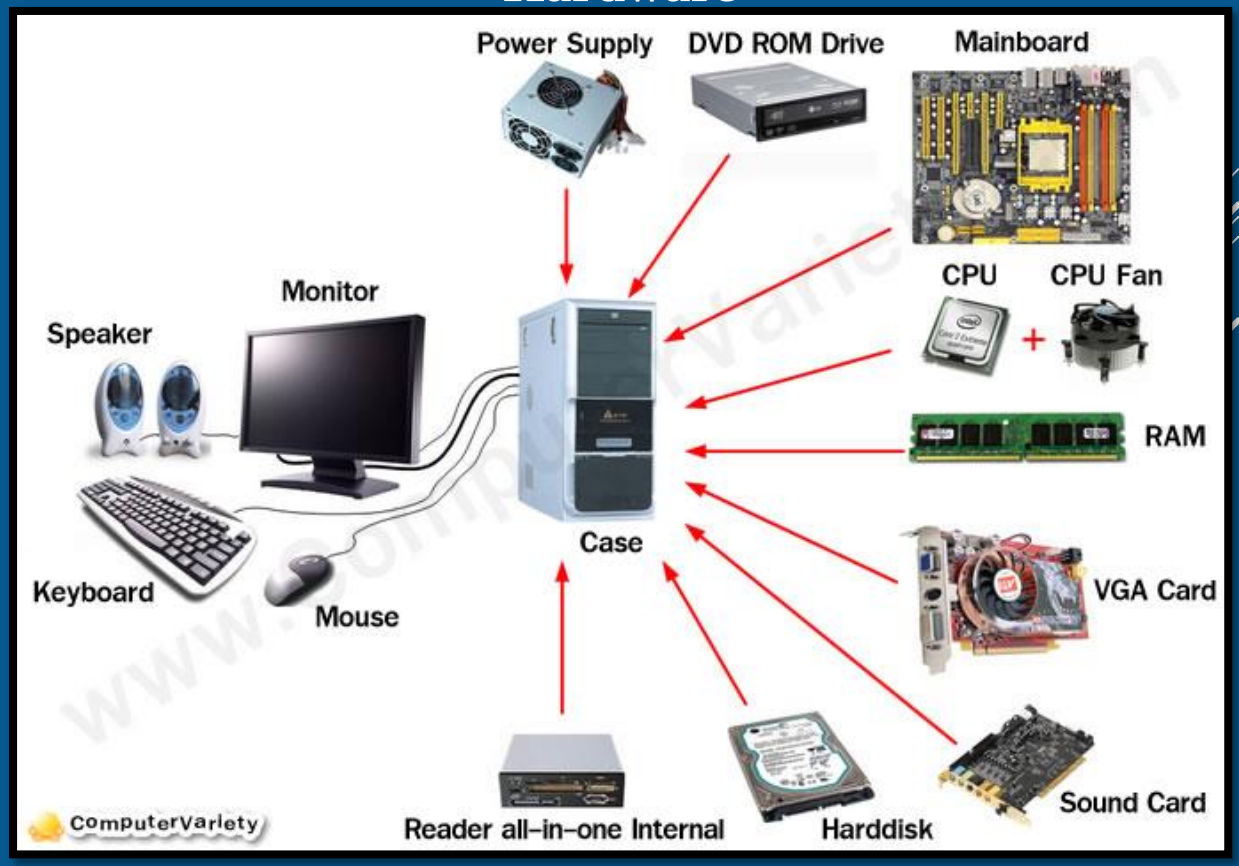
Computers

- Hardware(H\W):
  - Computer hardware generally consists of mostly metal parts with electronic circuitry and wiring.
  - Central Processing Unit (CPU), Memory, Input device, and Output device are the key elements of the hardware.
- Software(S\W):
  - Software is the entire set of programs and procedures associated with a computer.
  - Operating system software and Applications software are the forms of software.

Computers

Software

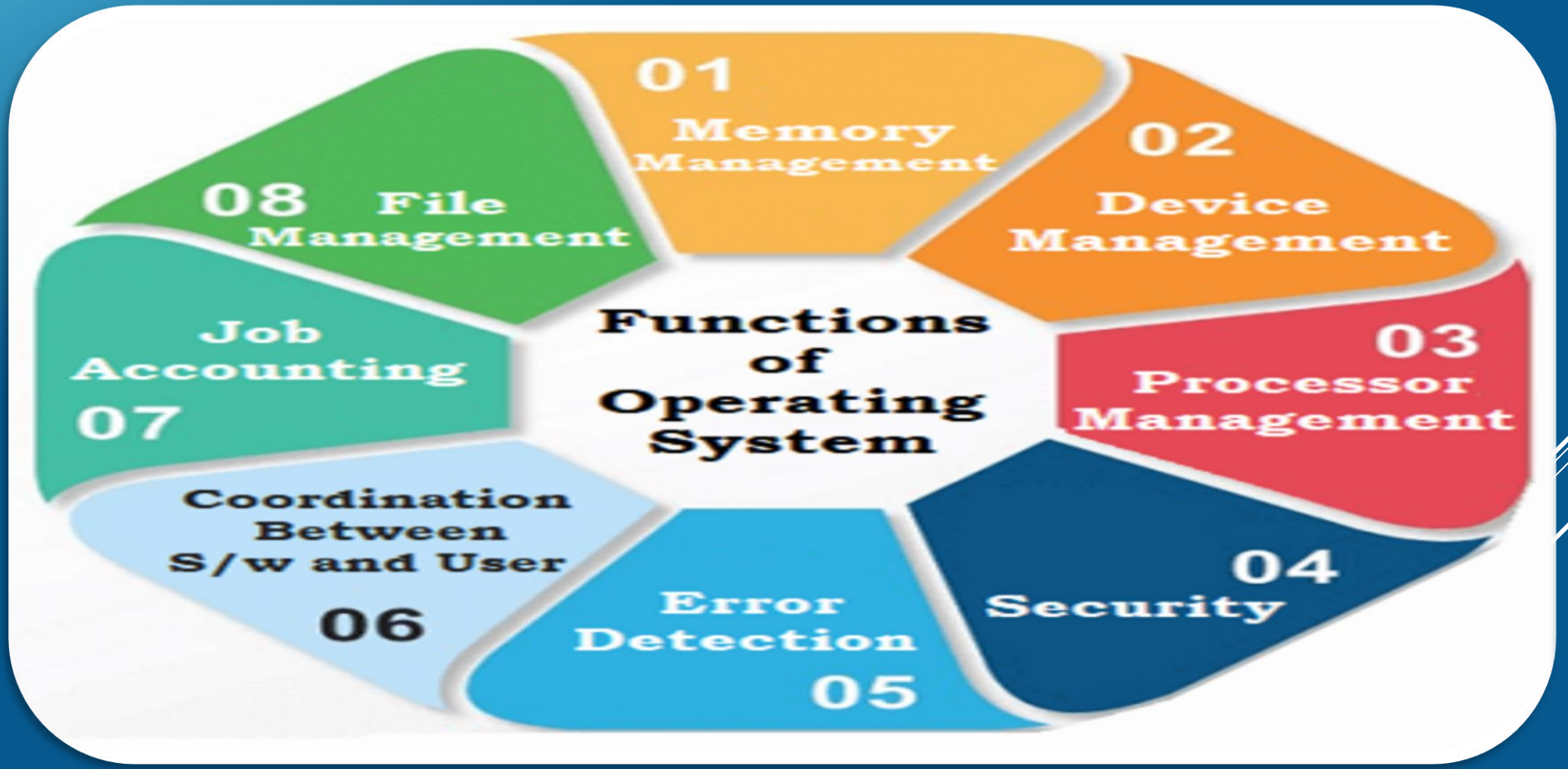
Hardware



Operating Systems

- Operating system (OS) is a system software that manages computer hardware and software resources and provides common services for computer programs.

Operating Systems



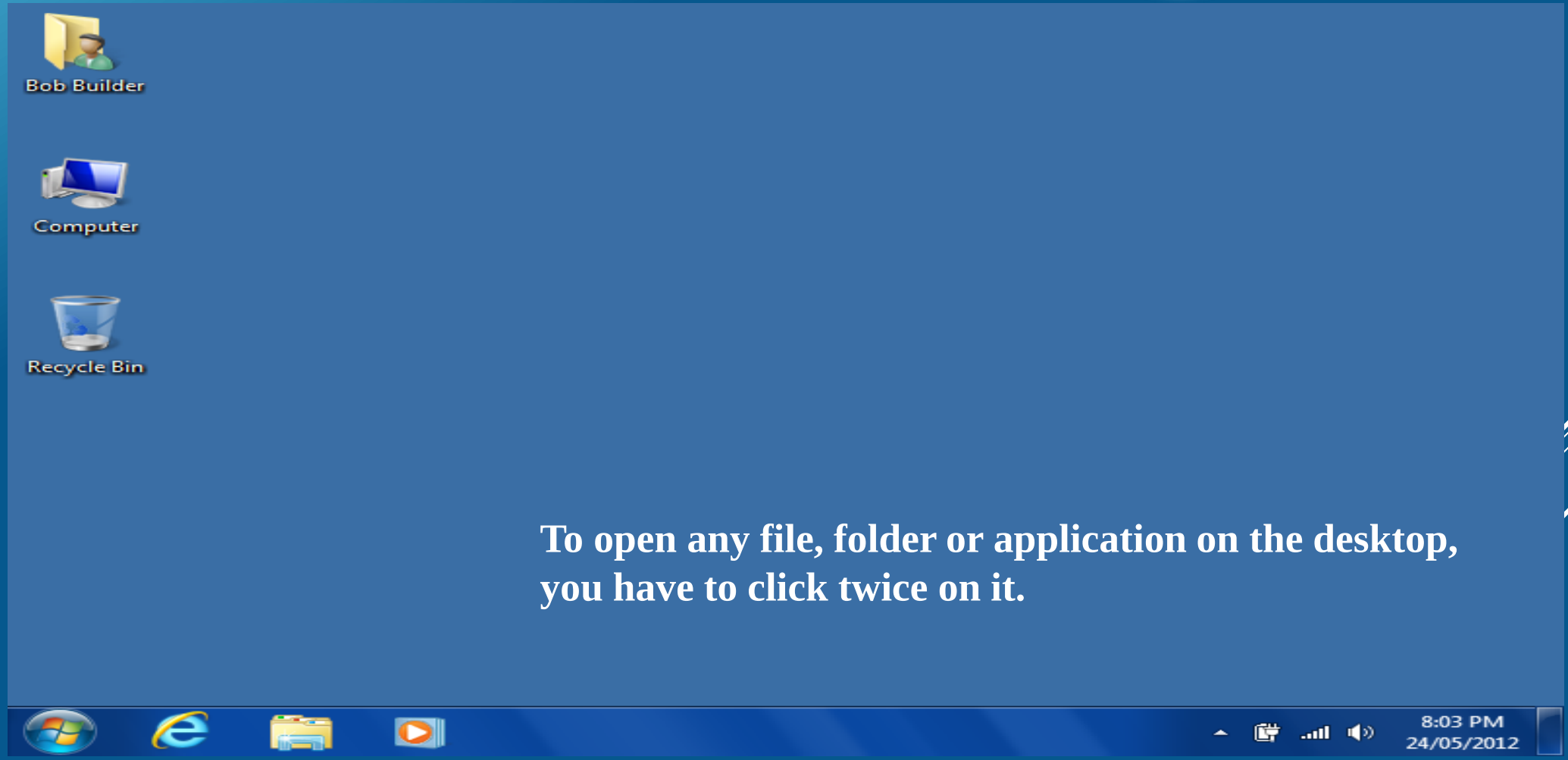
Computer Applications

- Application software is sometimes referred to as software applications, applications, or programs.
- Designed to help users perform particular tasks, such as word processing, spreadsheets, or creative computer painting.
- Business, E-commerce, Education, Medical, Science and etc… are the types of computer applications.
- Word, Excel, PowerPoint, and Paint are all examples of application software.

Microsoft Windows 7

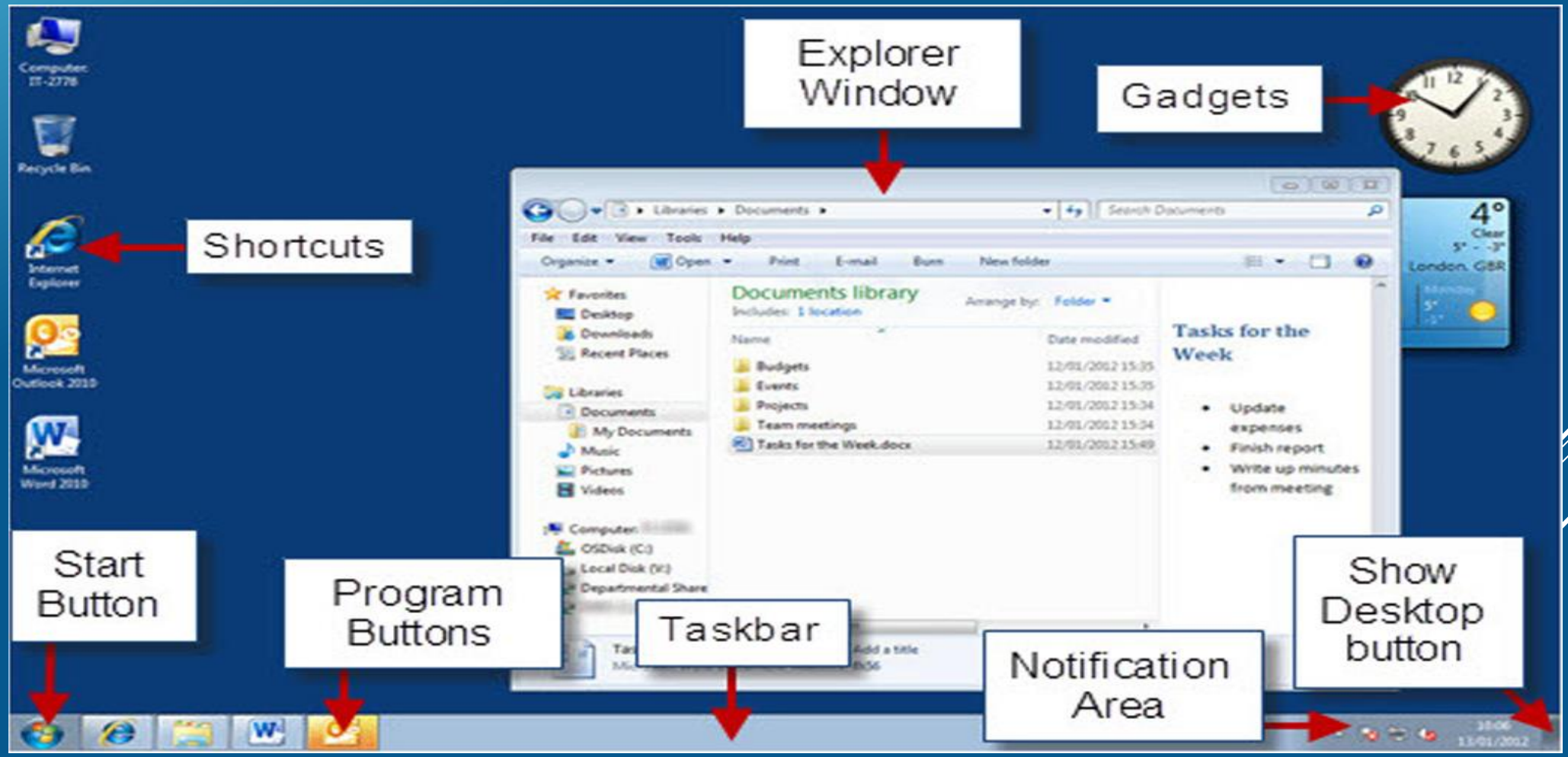
- Windows 7 is the advanced Windows operating system for business PCs.

Microsoft Windows 7

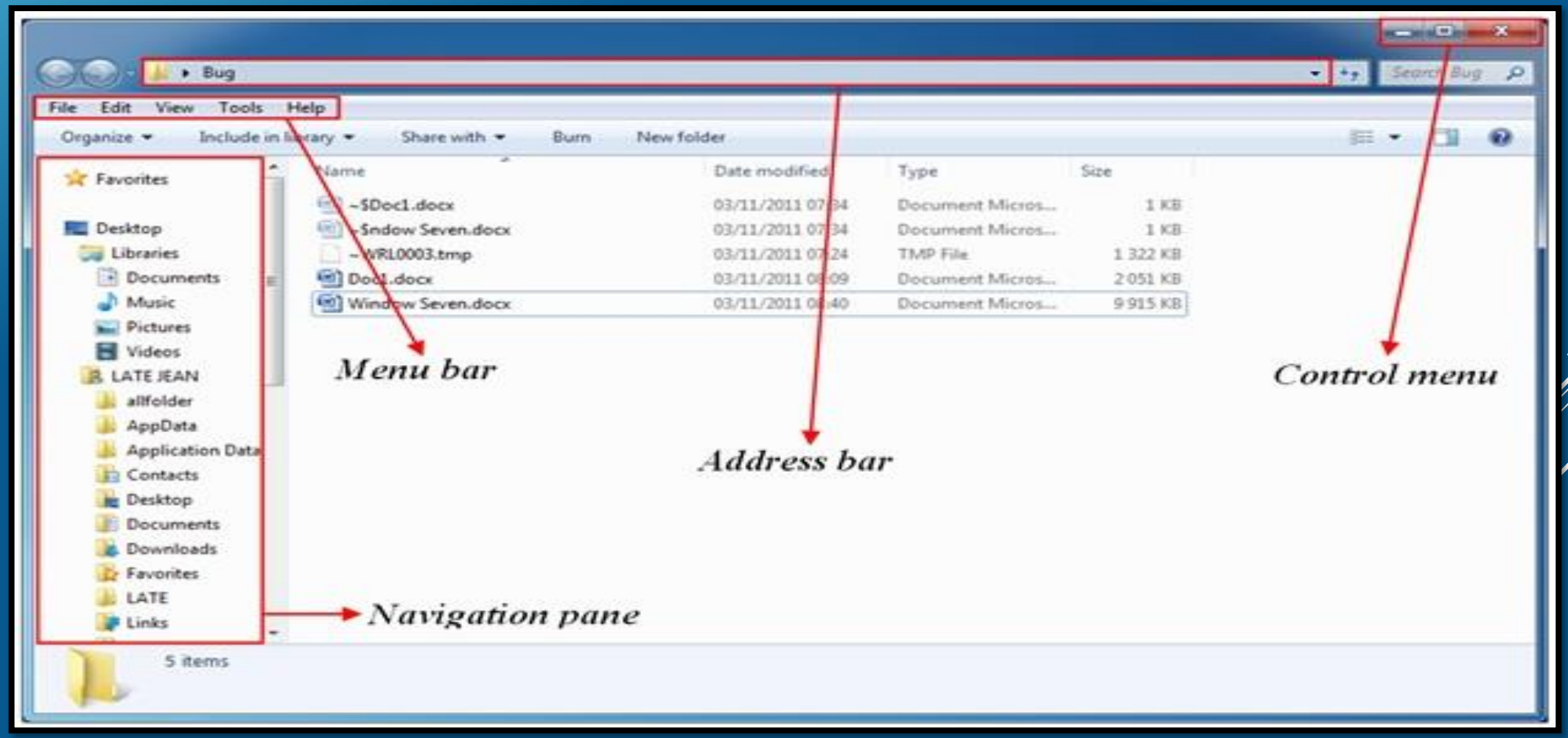


To open any file, folder or application on the desktop, you have to click twice on it.

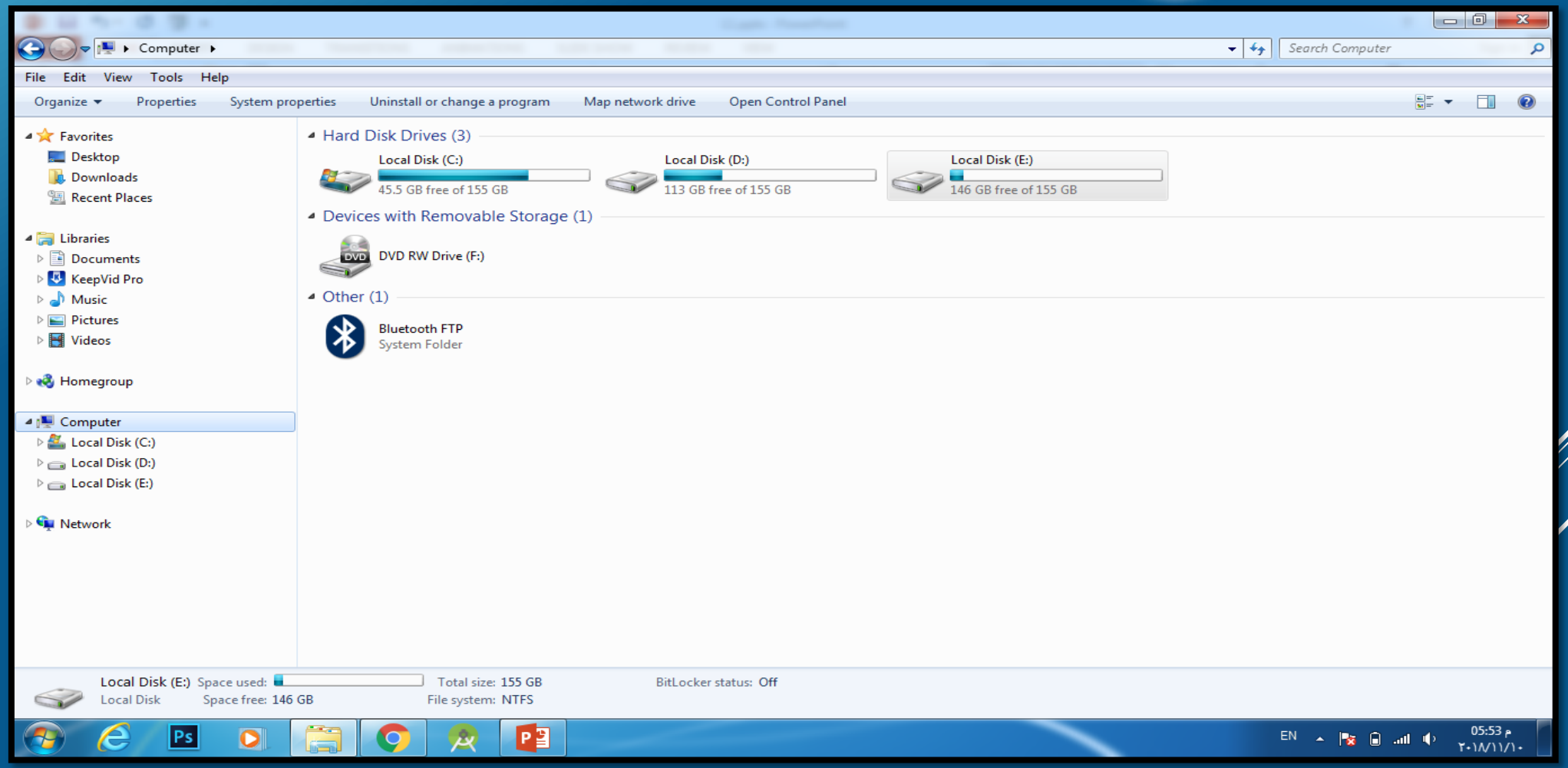
Microsoft Windows 7



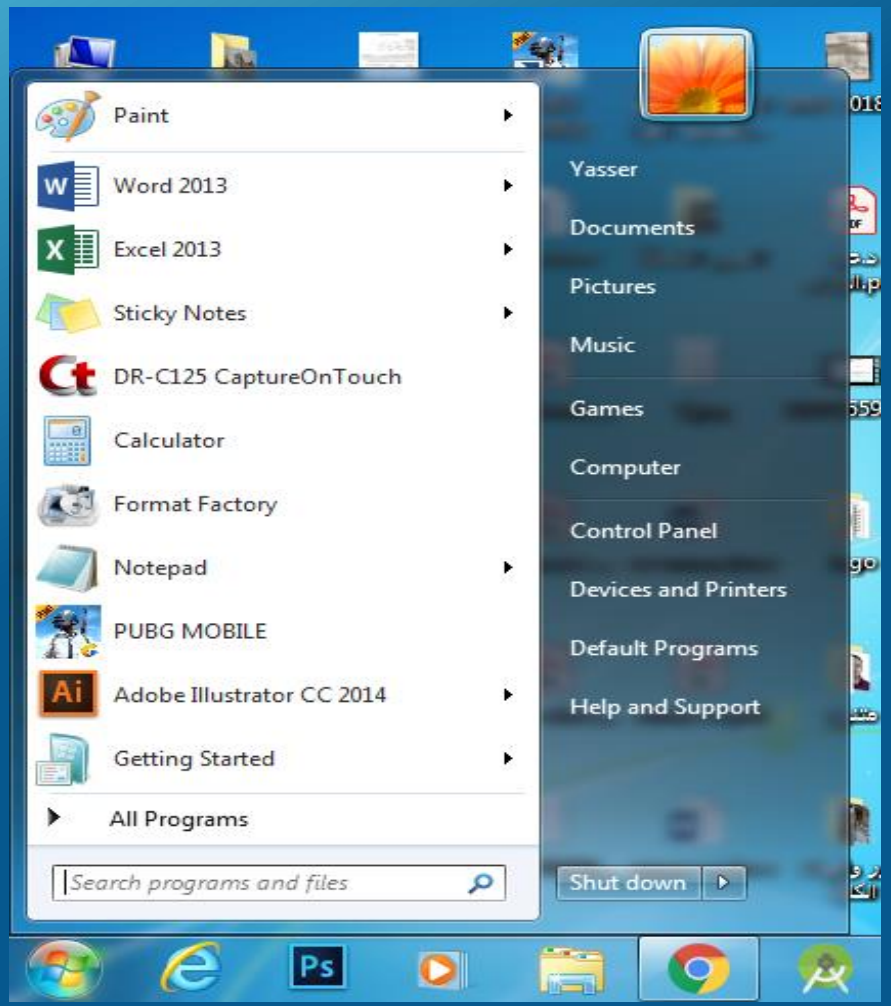
Microsoft Windows 7



Microsoft Windows 7



Microsoft Windows 7

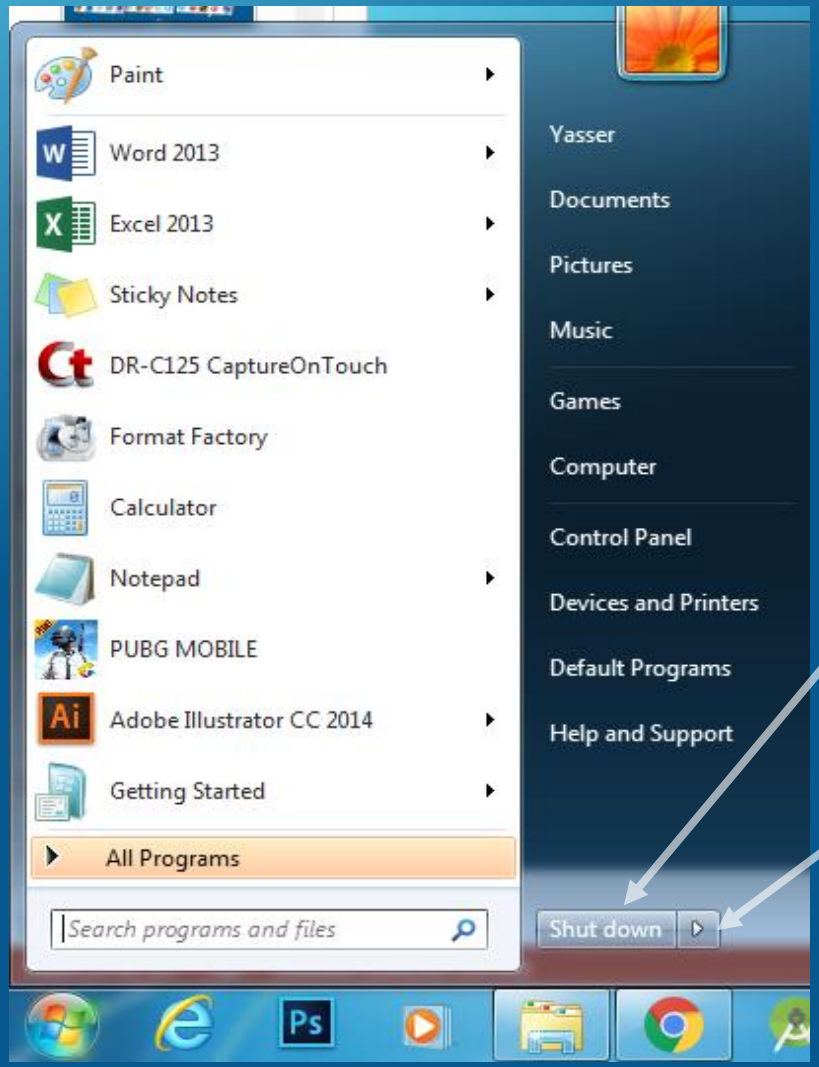


There are two ways to open the start menu:

1- By moving the pointer and click once on start

2- On the keyboard click on windows key

Microsoft Windows 7



To **shut down** the computer:
1- open the start menu
2- click on

To **Restart** the computer:
1- open the start menu
2- click on hidden menu
3- choose **Restart.**

To **Hibernate** the computer:
1- open the start menu
2- click on hidden menu
3- choose **Hibernate.**

Microsoft Windows 7

To connect to the home wireless network, move the pointer to the notifications area and click on then choose your home network and enter its password.

Wireless networks connection

Microsoft Office 2010

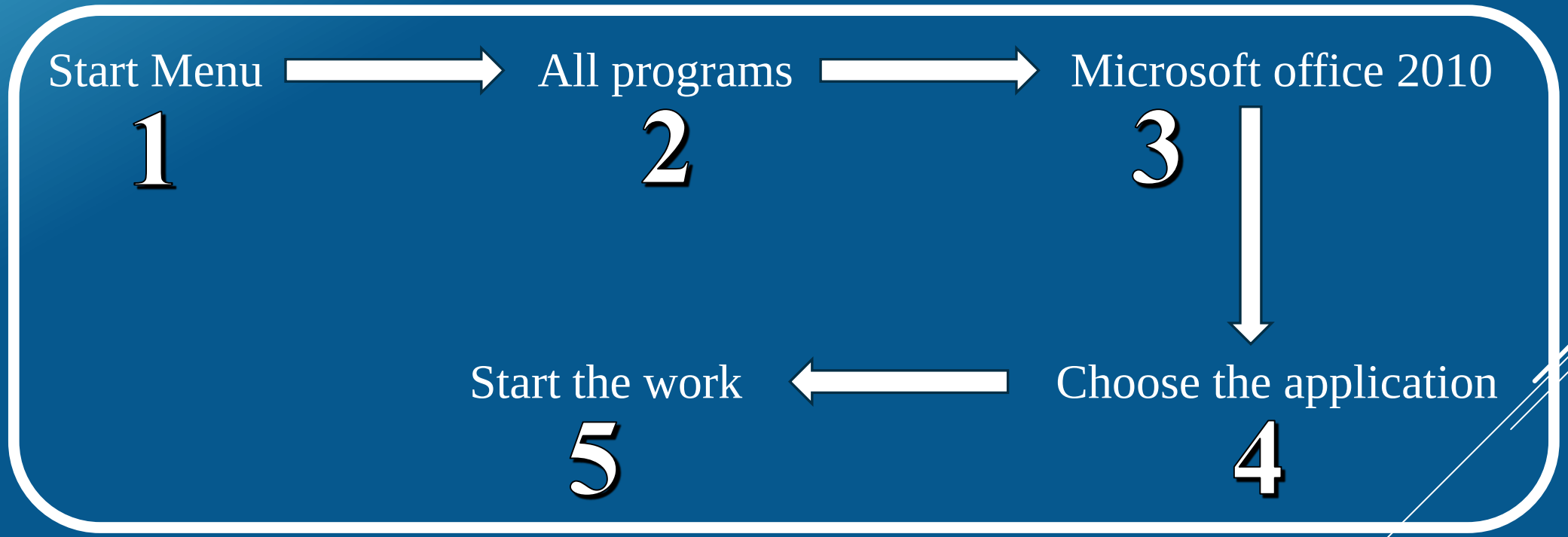
- Microsoft Office 2010 is a comprehensive system of programs, servers, services, and solutions.
  - Office Home and Student 2010
  - Office Home and Business 2010
  - Office Standard 2010
  - Office Professional 2010
  - Office Professional Plus 2010

Microsoft Office 2010

- Microsoft Office 2010 Includes:
  - Microsoft word
  - Microsoft Power Point
  - Microsoft Excel
  - Microsoft Access
  - Microsoft Outlook
  - Microsoft OneNote
  - Microsoft Publisher

Microsoft Office 2010

- To run Microsoft Office programs, you may follow the following steps:



Any
Question?