



is software for preparing presentations.

It allows the creation of slideshows for presentation.

Usually, we use a standard LCD projector.

So it allows easy editing of slides with visual aids.

For example, bullet points,

containing of tables, diagrams,

images and videos, tables or charts,

and animations and transitions.

So common examples include Microsoft PowerPoint,

LibreOffice Impress, and Google documents.

Different software writers produce different file formats.

They are usually incompatible

between different writers or different workstations.

The popular Microsoft Office has

two incompatible versions: one uses

Office 2003 and before,

we're using one version,

and Office 2007 and after,

we are using another version.

You can see the difference

in the way windows have the extensions.

Due to the incompatibility of different file formats,

confusion may arise in document exchange when you

exchange the documents with different users.

The solution is to use what we call

the Portable Document Format, the PDF.

PDF was created by a company called Adobe in 1993.

It's designed for printing and

in the brief documents.

It's printing view of a document.

It can include text in different languages,

various fonts, and images.

Normally, you cannot make changes to

a PDF file as it's good for document distribution.

It can be produced by most of the productivity software.

The most popular PDF viewing software is Adobe Reader.

So apart from

the productivity software for creating documents,

spreadsheets, and presentations, there are

also other productivity software for desktop computers.

For example, Equation Editor, database managers,

desktop publishers, project managers, diagrams,

and financial calculators,

and also e-mail, and information managers.

They are all different special purposes.

So because of the popularity of the Internet,

the same set of productivity tools are

available based on the idea of Cloud computing.

So they are not as powerful as

the desktop version but at lower costs.

They provide better features on

collaboration and sharing of work and documents.

For example, version control.

So there's no confusion on the format compatibility.

Examples include Google Docs

and Microsoft Office in the Cloud.

So we also have what we call the Internet software

to access different features on the Internet.

They include the web browser

to browse the Internet for example,

Internet Explorer,

the Mozilla Firefox, and Google Chrome.

We also have the email clients for receiving

e-mails. Examples include

Outlook Express, Mozilla Thunderbird.

We also have software for

instant messaging for example, Skype,

Facebook messenger, and WeChat.

So with the abundant availability

of multimedia files, video,

tools are available for

capturing and sharing your image files,

video files, and audio files.

For example, you can use iPhoto

and iMovie for managing your photos.

You can use Windows Media Player

for your music and videos,

and you can use iTunes for your music files.

For more advanced multimedia production,

that means that you wanted to create or manipulate

your video files, your audio files,

and your image files,

you can use for example Photoshop,

Adobe Illustrator, or GIMP for manipulating your photos.

For animation and videos,

you can use Adobe Flash,

Adobe Premiere Pro, and Moviemaker.

For music, you can use Apple GarageBand or Audacity.

So software for games.

Let me say, you want to play video

games on your computer,

you can have game programs.

That means that you have downloaded and installed

the game programs on your computer.

Further, you can install a play the game.

You can have emulator programs that allow you to

emulate another gaming console and run games on it.

You can also have browser games which you can play

directly from a website

without installing the game on your computer.

So online software, they're often called

web applications and they are

necessary over the Internet through web browsers.

For a good example is the Google search engine.

If you want to Google something,

you just open up your browser,

type in some people.com, go to the website there,

and then use the service from.

The good thing about web applications is

that there is no installation required.

So we can use it on any machine

with Internet connection and browser.

So data are stored on the server side and

most of the calculations they're done on the server side.

Since most of the things are done on the server side,

the good thing about the web applications is that,

it requires less computing power on the client side.

So they are usually available at low or

even no cost because they're supported by advertisement.

But of course, in case where

you're putting things online,

there are always security and privacy concerns.

So portable software, they are on

more and more public computers

available in public places.

For example, libraries, coffee shops,

hotels, campus computer labs, at airports.

Software installed on this public computers,

are usually limited and sometimes

people may want to use their own customized set

of software on this public computers.

So to resolve the problem,

we have something called the portable software,

that can be stored in

a USB flash drive and can be used without installation.

So examples of portable software

include Google Chrome portable and GIMP portable.

So a piece of software may not

suit the needs of everyone.

Some software allows installation of extensions or

plugins or add-ons for many customization or features.

This is extremely popular.

It's web browsers for example, Google Chrome.

So people can develop extensions

for extra features that suit their own needs.

Examples include Addblock for Google Chrome.

This will block all the ads on the webpage,

recommended for GIMP and

Google Toolbar for more advanced searching.

So with the increasing popularity of smartphones,

I guess all we're using smartphones nowadays.

There is a new type of software known as

apps or mobile platforms.

So they allowed you to do virtually anything on

your mobile phone and

the price are usually lower than the desktop version.

If you are using Android phone,

you can download your apps from Google Play.

If you are using iPhone,

When you can download your apps from Apple App Store.  
So once you purchase an app.  
Essentially, belonging to your account and it can be  
synchronized across several mobile platforms.  
For example iPhone and iPad.  
To understand the user experience,  
there are five options to be set which  
may cover some privacy and security issues,  
especially when you're taking  
about taking your mobile phone online.  
When you put something online and there's  
always some privacy or security issues.  
Some of the apps, they may have  
access to your address book, calendar,  
notes, and some other information,  
or private information that you  
store on your mobile phone.  
So make sure that the apps are safe before you use them.  
So for HUGUST we have a mobile app called HUGUST.  
You can easily get it from Google Play or  
App Store by searching for HUGUST.  
Using this app, you can get lots of  
important information about UST.  
For example, you can get  
the campus map from this app and you can  
also get information about the courses  
that you can take at UST from this app.  
We may have specific purpose software for special users.  
For example, we may use surveillance software  
for the Science and Engineering Community.  
For financial institutions and banks,  
they're using financial software.  
We may also use malware software for different things.  
For example, a patch of ads or  
a POS software is  
needed for taking care to business of a shop.  
So we also have another type of software which is  
called the malicious software or malware.  
So for malware, is this the kind of  
application software is the developer  
of the malware? Yes, it is.  
Because they have different malicious intentions  
and usually malware are without user's consent.  
Malware usually brings undesirable results.  
For example, the deletion of important data,  
the misuse of computer resources  
and also the leak of private information.  
So there are different types of malicious software.  
The most common ones are the viruses.  
I guess most of you have heard about it.  
They would infect some executable software on  
your computer and by turning  
the infected executable software,  
it will spread the virus to other  
executable software which will make  
your computer either useless or  
steal some of the important files on your computer.  
Another type is the Trojan horse.  
They're usually bundled with  
desirable software and they will cause  
hidden damages or particular security holes  
and they are really really difficult to detect.  
The last type is the spyware.  
From the name should know that,  
someone would gather information from  
computer users for creator's profit.  
Because there are too many malicious software,  
so that's why we have the antivirus software  
which will prevent,  
detect, and remove malware.  
It requires virus definition updates  
frequently because new malware comes out  
every day and the antivirus software vendor  
will update virus definition frequently.  
For HUGUST members, there is  
a free antivirus software  
that you can download at this web page.  
If you don't have an antivirus software on your computer,  
I really recommend that you go to this web page,  
download the software, install it, and then use it.