



Part~B Unit~1

WEB APPLICATIONS

(Cycle-2)

BLOG - Online Diary

Blogs or web log are textual articles but may even have photographs, videos and audios etc... The term blog refers to 'Online Diary'.

- ✓ Used to create personal web pages by technical & non technical users.
- ✓ Users can easily share their comments, thoughts and convey messages about events, news etc...
- ✓ An internet connection is required to publish a blog.
- ✓ A blogger can communicate with the readers by answering their questions and regularly updating the content

Important feature of a BLOG

- ✓ Blogs can be written on any topic
- ✓ Blog can contain text, pictures, audios and videos
- ✓ Blogs can have more than one page.

WEBLOG word coined by Jorn Barger in 1997

Some of the popular websites that offer free blog services are :

www.wordpress.com

www.blog.com

www.blogger.com

www.blogsome.com

Points to remember

- ✓ Understand your target audience.
- ✓ Select an engaging topic and an interesting title.
- ✓ Make sure the blog is well structured.
- ✓ Organize your content~Header, body and Footer.
- ✓ The blog should be written in a lucid language
- ✓ Before posting blog, make sure to edit/proofread your post.
- ✓ Insert a Call To Action (CTA) at the end.
- ✓ Use a social media to make your blog popular.

Creating a Blog Account in WordPress

1. Open www.wordpress.com and sign up with details like blog address, user name, password, language
 - a) **Email address:** When your WordPress blog is created, an activation link will be sent to you from WordPress. So you should provide a valid email-id
 - b) **Username:** is used to manage your blog
 - c) **Password:** is used to secure your Wordpress blog account
 - d) **Blog address:** is the address which other users will use to view your blog.
2. Click the **‘Continue’** button to create blog.

Creating a Blog Account in WordPress

3. Check email and click on the link to activate your blog
4. WordPress blog account page will display on screen. Your blog is ready to use.
5. Your blog address will be present on the top of the webpage.
6. Double click on the link to go to the home page.
7. Add content to your blog, that you want to others view.
8. To create a new post, click the **'New Post'**

Creating a Blog Account in WordPress

9. In the new window provide unique title for your post and type the content in the text. Click '**Publish**' to publish your content.
10. To view your post, type the blog address in the address bar of the web browser.
11. You can comment on post published by others like in WordPress the comment box is located below the post and labelled as **Leave a Reply**. Fill the required details and click Post Comment.
12. Fill in the required details and click '**Post Comment**'. You will see the blog along with your comment

Using Offline Blog Editors

- You can also use offline blog software to create your blog and publish the content whenever internet connectivity is available.
- Example for free offline Blog Editors are Qumana, Blogdesk, Windows Live Writer, Thingamablog, ScribeFire
- These blog editors can be downloaded and installed on the computer.

Advantage of offline Blog Editors

- Faster than online blog editors
- You will have a back up copy of your blog
- All advance editing and formatting features are available
- Provide facility to add tags and categories directly.
- Helps to publish multiple blogs quickly
- Let you post your article directly to your blog

Using Microsoft Windows Live Write

- Most convenient offline blogging tool.
- Due to its amazing features, it is widely and absolutely free to download
- It supports multiple blogging platform.
- It comes with a WYSIWYG editor for instant preview of your blog post.
 - WYSIWYG~What You See Is What You Get.
- It has a built in image editor and provides a post scheduling feature.
- It has the options to add categories and tags
- It has post draft and backup features
- It has an inbuilt Spell Checker

Using Microsoft Windows Live writer

- Download and Install Windows Live Writer
- Configure Windows Live Writer by accepting Service agreement and selecting your blogging platform, WordPress
- Type the URL of your WordPress blog along with Username and Password
- Understand different components of WLW screen
- Create a post by giving Title and content and click on update theme
- Review the post by clicking on Preview tab.

Finally publish by selecting Publish button from Home tab

Online Transactions

- E-Commerce is a application of internet. Users can buy or sell goods over the Internet by paying online using a credit and debit card.
- Some of the popular online transaction websites are
- IRCTC: Online portal for booking train & Flight tickets
- Flipkart: Online shopping portal for buying products
- Ebay: Online shopping portal for buying and selling products
- Redbus: Online portal for booking Bus Tickets.

Online Transactions- Advantages

- E-shopping offers convenience of shopping.
- An online store provides reviews on the product.
- Shopping sites able to give a competitive price and better deals to its customer.
- A user buys the product at his will and as per his choice anytime and anywhere.

Online Transactions- Disadvantages

- Does not give personal touch.
- Making payments online is not completely safe
- Shipping charges are added to the cost of the product
- Some site are not friendly for returning/exchange of product and refund procedures
- There is a huge risk of online fraud

Internet Security

Internet security is a major concern nowadays. It involves network security and browsing security. Many online threats make the computer insecure.

Best Practices for Internet Security

- ✓ Use strong passwords
- ✓ Back up your data
- ✓ Do not share personal information
- ✓ Secure transactions
- ✓ Install firewalls
- ✓ Never install software from unknown sources
- ✓ Clear Browser cookies frequencies
- ✓ Use Antivirus and anti spyware software and keep upto date
- ✓ Never reply to an unknown mail
- ✓ Never use a foreign disk of CD without scanning it for virus

Antivirus Software

An antivirus software is a program that detects, prevents from malicious programs such as viruses.

You can protect your system against viruses by using antivirus software like McAfee, Norton, Quick heal, Kaspersky, Avira etc...

An antivirus program performs following functions:

- Scans every file on the computer
- It scans all drives and outside pendrive or CD on your computer
- It scans incoming emails for attached viruses
- It may detect spyware on your computer

Action Center

Action Center in Windows 7 helps you to make sure that anti virus software is up to date and is set to install updates automatically.

Bitlocker drive

It encrypts your system's hard disk to help keep documents and other data safe. You can protect your data from theft, hackers and accidental loss. Once you turn on Bitlocker, any file that you save on that drive is encrypted automatically.

Working with Accessibility Options

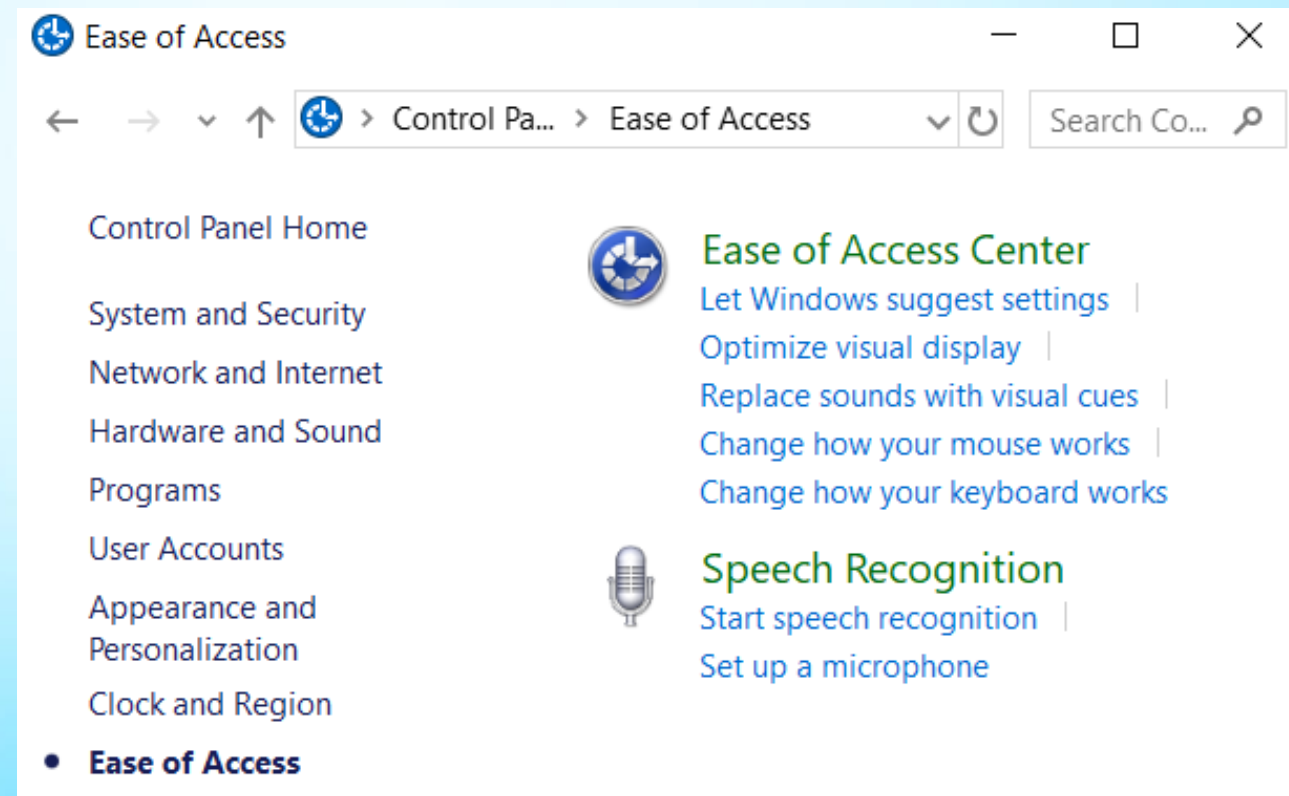
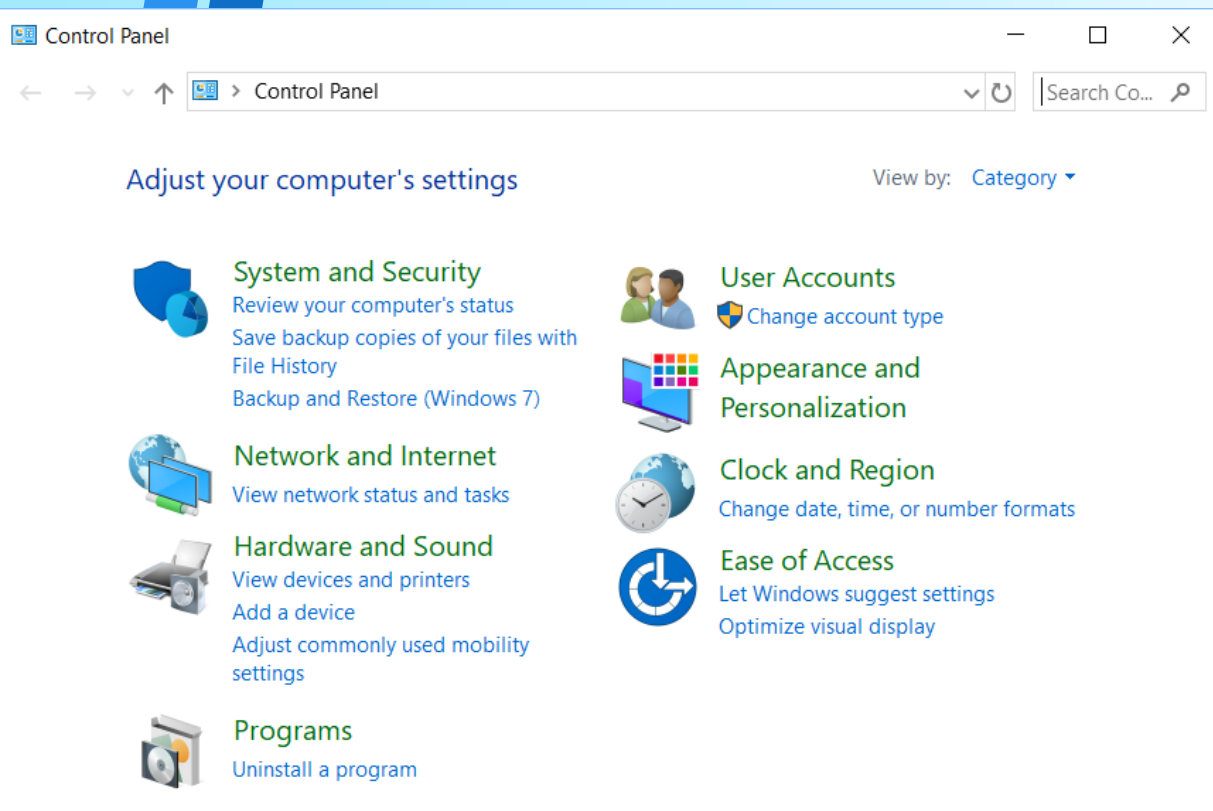
- Accessibility means providing such services for people with disabilities so that they can do their work without facing problems.
- Computer Accessibility refers to customizing the functioning of the computer parts enables people with a disability to use computer.

Various types of impairment or disabilities

- Eyesight like low vision, color blindness etc..
- Dexterity like paralysis of any body part like arm, hand or fingers injured
- Hearing like deafness
- Speech impairment~difficulty in understanding.
- Reasoning like learning disability (dyslexia) or difficult to concentrate.

To use accessibility Options

Start → Control Panel → Ease of Access



Ease of Access Center

- Let Windows Suggest settings
- Replace sounds with Visual Clues
- Change How your mouse works
- Change How your keyboard works

Speech Recognition

- Start Speech Recognition
- Set up a microphone

'Let window suggest settings':

Get recommendations to make your computer easier to use

Answer the following questions to get recommendations for settings that can make your computer easier to see, hear, and use.

For each question, select all statements that apply to you. When you're done, you can decide which settings to turn on.

Your answers are used to determine recommended settings only. If another program or Web site wants to use this information to better suit your needs, you will be explicitly asked for permission by that program. [Privacy](#)

[Statement](#)

Eyesight (1 of 5) _____

Select all statements that apply to you:

- ☐ Images and text on TV are difficult to see (even when I'm wearing glasses).
- ☐ Lighting conditions make it difficult to see images on my monitor.
- ☐ I am blind.
- ☐ I have another type of vision impairment (even if glasses correct it).

Ease of access center option:

Make your computer easier to use

Quick access to common tools

You can use the tools in this section to help you get started.

Windows can read and scan this list automatically. Press the SPACEBAR to select the highlighted tool.

☐ Always read this section aloud

☐ Always scan this section



Start Magnifier



Start Narrator



Start On-Screen Keyboard



Set up High Contrast



Not sure where to start? [Get recommendations to make your computer easier to use](#)

Explore all settings

When you select these settings, they will automatically start each time you sign in.



[Use the computer without a display](#)

Optimize for blindness



[Make the computer easier to see](#)

Optimize visual display



[Use the computer without a mouse or keyboard](#)

Set up alternative input devices



[Make the mouse easier to use](#)

Adjust settings for the mouse or other pointing devices



[Make the keyboard easier to use](#)

Adjust settings for the keyboard



[Use text or visual alternatives for sounds](#)

Set up alternatives for sounds




[Make it easier to focus on tasks](#)

Adjust settings for reading and typing

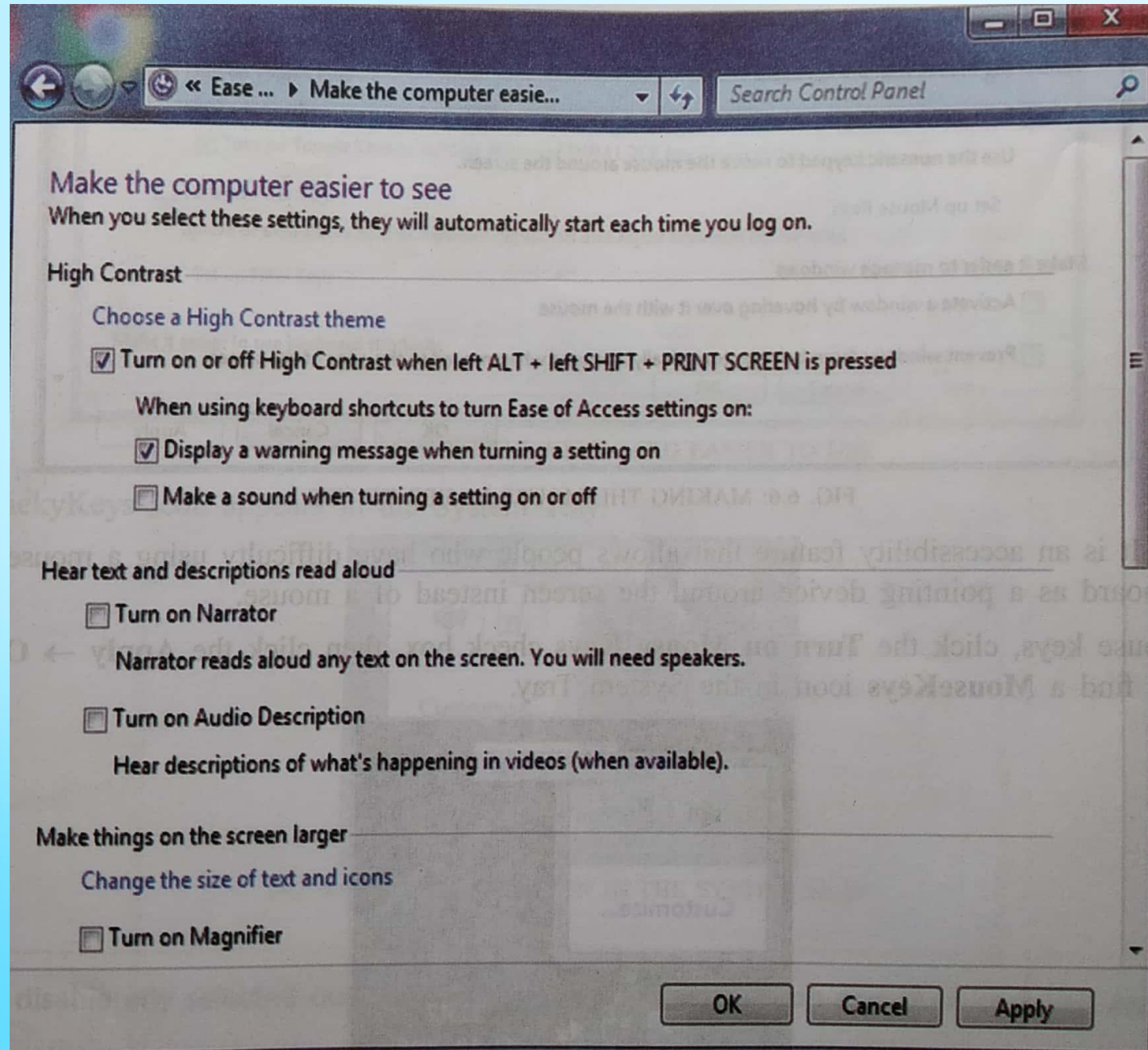


[Make touch and tablets easier to use](#)

Adjust settings for touch and tablets

- 
- Start Magnifier: which allows you to see large fonts
 - Start Narrator: Which will read aloud what is on screen
 - Start on screen keyboard: open ups a on~screen keyboard
 - Set up high contrast: showing settings for color and contrast of display

1. Make the Computer Easier to use:



1. Make the Computer Easier to use: Helps to change the display settings like

High Contrast:

To assist people with eyesight impairment by changing size and color of the font and desktop background for ease of viewing.

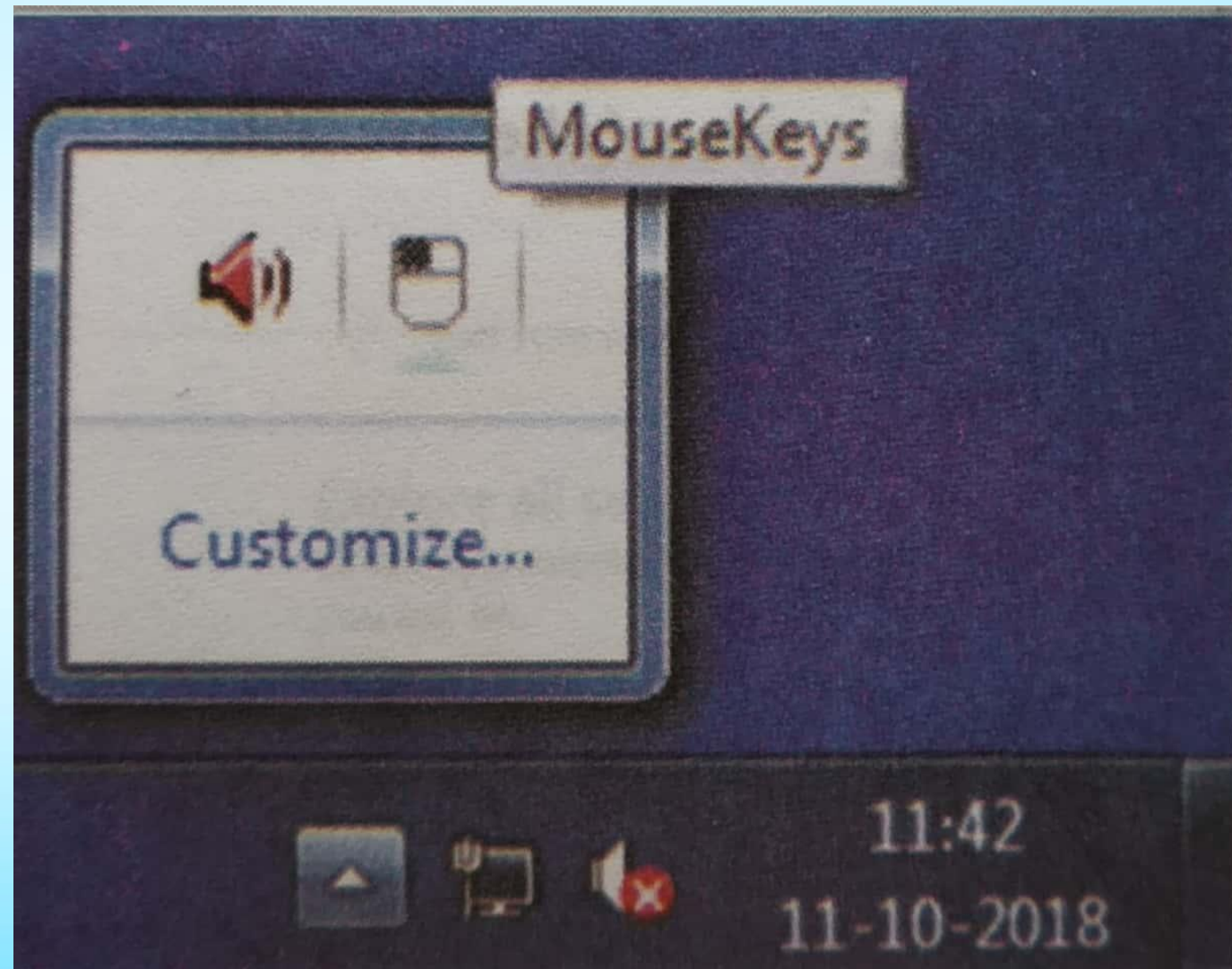
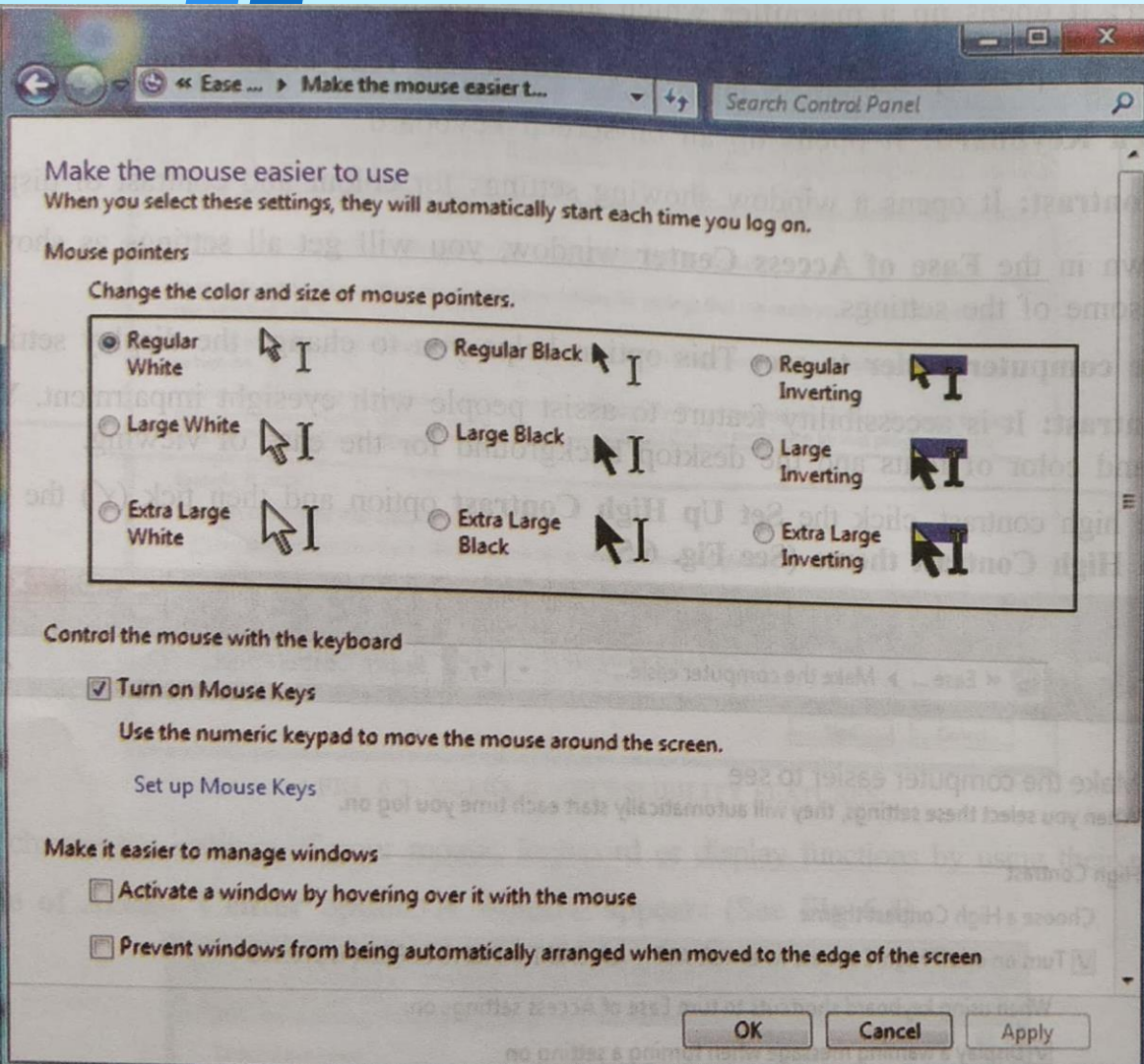
To enable high contrast , click ‘Set up High Contrast’ and then tick the checkbox under ‘Choose a High Contrast Theme’

Cursor Option:

Allows the people to change the thickness of the cursor.

After doing required changes click the Apply → OK

2. Make the mouse Easier to use:



2. Make the mouse Easier to use: Helps to change the color and size of mouse pointers and use of mouse keys

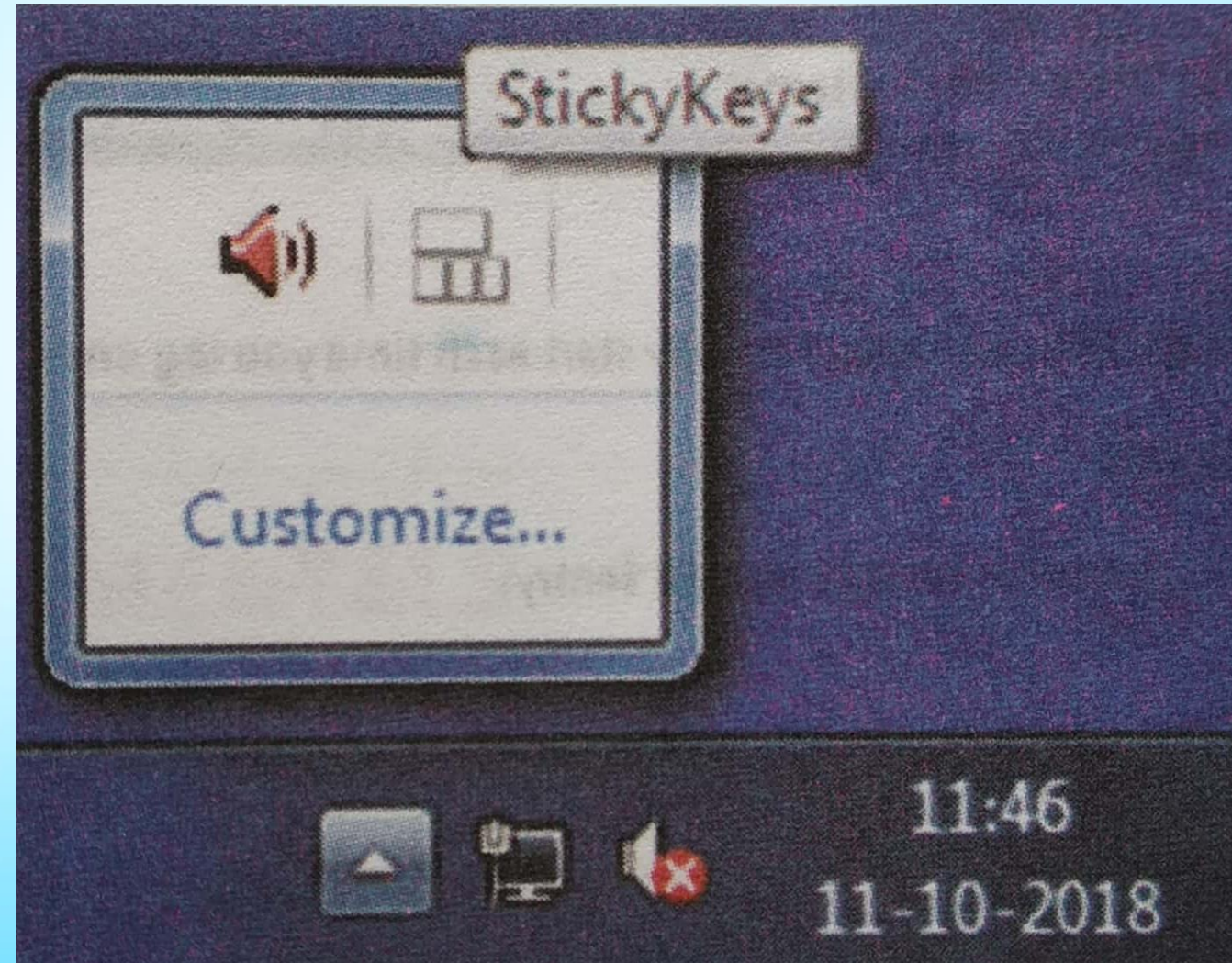
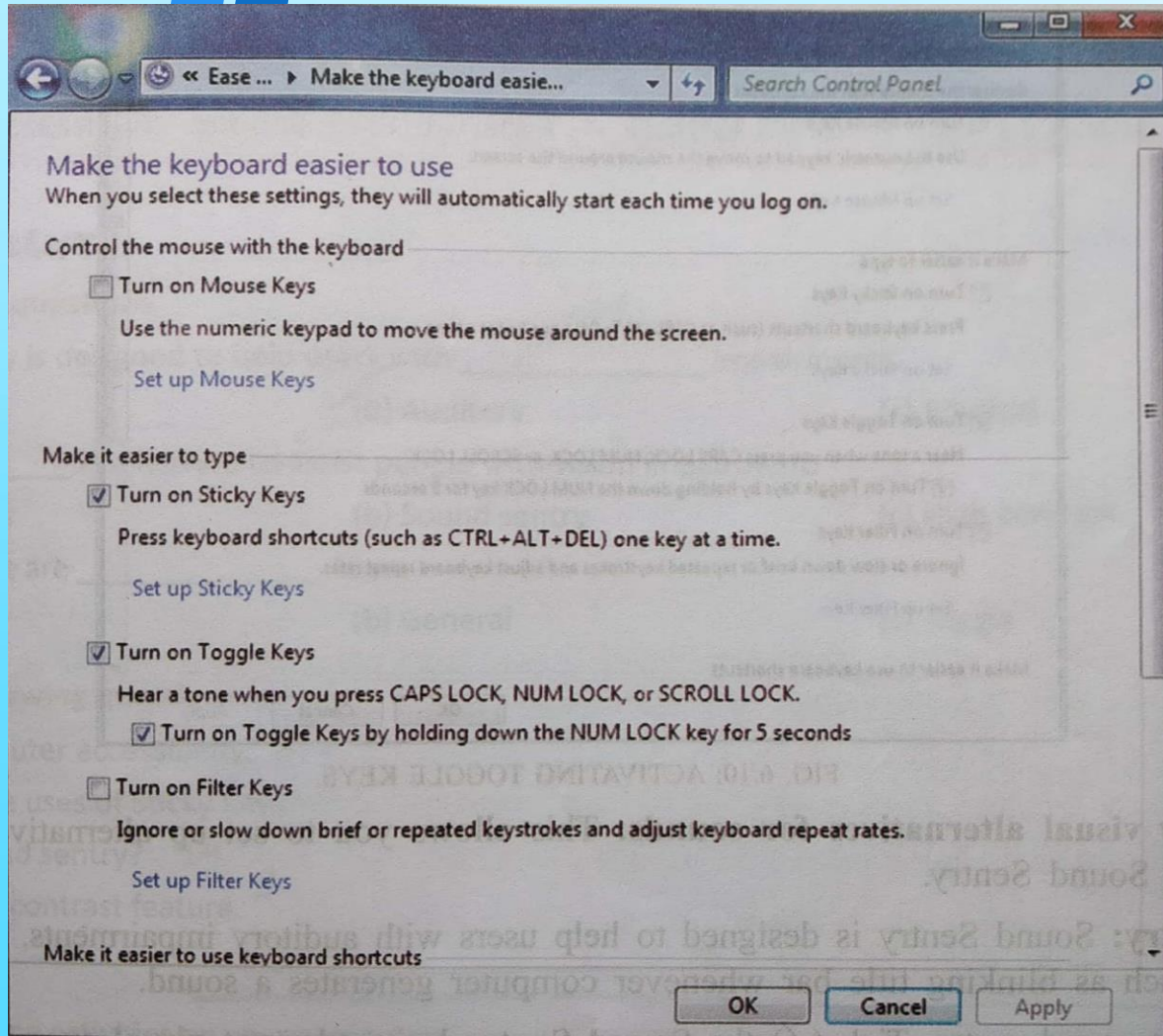
Mouse Keys:

It is an accessibility feature that allows people who have difficulty using a mouse. This option **uses the keyboard** as a pointing device around the screen instead of mouse.

To enable mouse keys, click 'Turn on Mouse Keys' checkbox and then click the Apply → OK

Mouse Key icon will appear in the System Tray

3. Make the keyboard Easier to use:



3. Make the keyboard Easier to use:

Toggle Keys:

Designed for people who have vision impairment. You will hear a tone when you press the keys like Caps Lock, Num Lock or Scroll Lock

To enable toggle keys, click ‘Turn on Toggle Keys’ checkbox under ‘Make it easier to type’ and then click the Apply → OK

Sticky Key icon will appear in the System Tray

3. Make the keyboard Easier to use:

Enables you to adjust settings for the keyboard

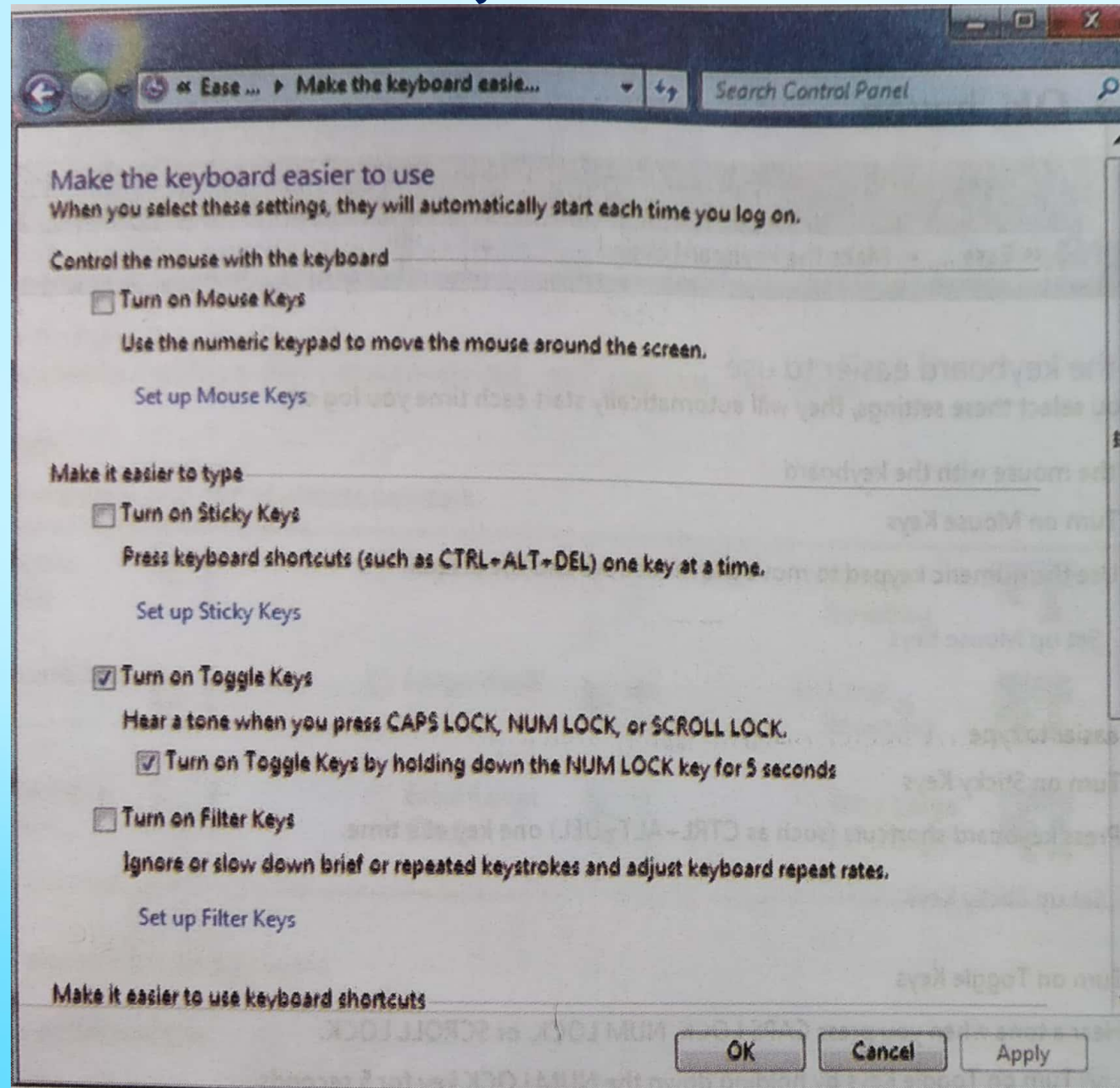
Stick Keys:

It allows the user to press and release a modifier key (Shift, Ctrl, Alt, window) and make it active until any other key is pressed.

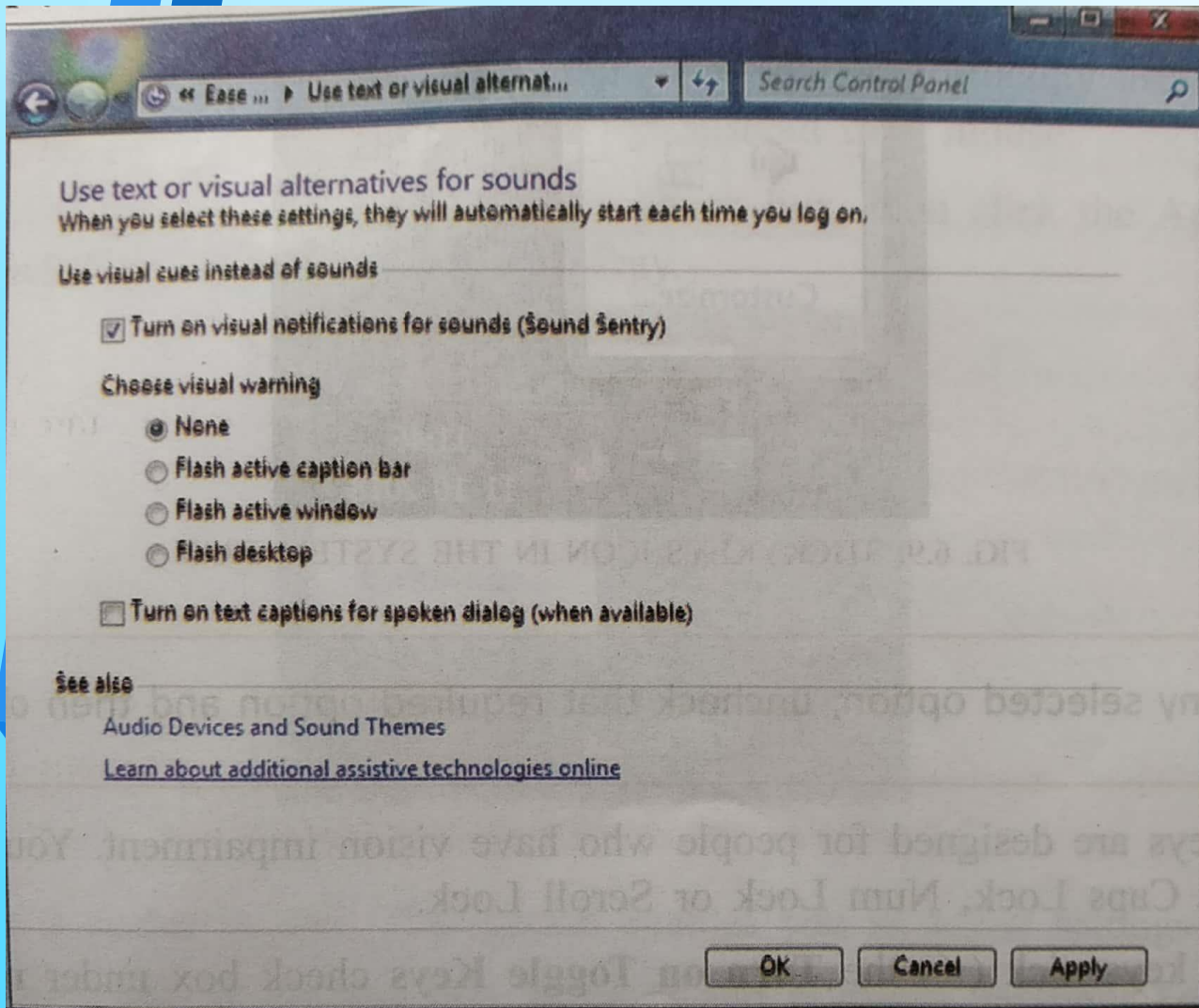
To enable sticky keys, click 'Turn on Sticky Keys' checkbox under 'Make it easier to type' and then click the Apply → OK

Sticky Key icon will appear in the System Tray

3. Make the keyboard Easier to use:



4. Use Text or Visual alternatives for sounds: Allows you to set up alternative for sounds



Sound Sentry:

Designed to help users with auditory impairment. It generates visual warnings such as blinking title bar whenever computer generates a sound.

To enable sound sentry, click 'Sound Sentry' checkbox under 'Use Visual Cues Instead of sounds' and then click the Apply → OK



Thank
You

A 3D, light blue, cloud-shaped sign with the words "Thank You" in white, bold, rounded letters. The sign is hanging from a thin, light brown string. The background is a solid light blue, with a dark blue geometric shape in the bottom left corner.