

# 204100 Midterm Review

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# Midterm Exam

- When?
  - Wednesday, March 1<sup>st</sup>, 2017
  - 12.00pm – 2.00pm
  - Must be at the exam room by 12:15 pm
- Where?
  - RB3 Building
  - RB 3310
- Exam will be in English.
  - Multiple choices

# What You Can/Cannot Bring

## Can/ Should bring

- Pen
- One paper (book) dictionary
- ID Card
- Bring everything you'll use (liquid paper, eraser, etc.)

## CANNOT bring

- Bags
- Electronics
- Notes
- You can leave them in front of the exam room



# Assignments

- Assignments issued before midterm exam must be submitted and accepted (PASS/PASS(LATE)) before midnight of February 28<sup>th</sup>.

# Computer Systems (1)

- Category of Computers
  - Classified by Data Handling
    - Analog/Digital/Hybrid
  - Classified by Work Purpose
    - General/Special Purpose
  - Classified by Capacity
    - Embedded/PC/Workstation/Mainframe/Supercomputer
    - Note usages and characteristics



# Computer System (2)

- Data Representation
  - Bit/Byte
  - What data can be stored
  - Data Capacity (units)
- Components of Computer Systems
  - Hardware
    - Input/ Output/ CPU/ Storage
    - Function, Type, Categories
  - Software
    - Programming Language
    - Types of Software/ What does each of them do?
  - Peopleware
    - Category
    - Responsibilities

# Example Question

1. NASA has a large, powerful computer that can handle massive computation for their scientific works. Such a computer is a:
  - A. Analog Computer
  - B. Mainframe
  - C. Personal Computer
  - D. Supercomputer



## Example Question (cont.)

2. A hard drive has capacity of 4 GB, how many kilobytes of data can this hard drive hold?
- A.  $4 \times 1024$  KB
  - B.  $4 \times 1024^2$  KB
  - C.  $4 \times 1024^3$  KB
  - D.  $4 \times 1024^4$  KB



# Example Question (cont.)

- 3. A virus scanner is a(n):
  - A. Application Software
  - B. Candy Crush
  - C. Operating System
  - D. System Software



# Microsoft Windows (1)

- OS (What do they do?)
- Microsoft Windows
- Mouse Usage
  - Click/Double Click/ Drag and Drop
- Drive, Folder and Files
- Windows Explorer





# Microsoft Windows (2)

- Creating, Selecting, Copying, Moving, Deleting, Restoring and Searching Folders/Files.
  - Selecting(consecutive/ non-consecutive)
  - Drag and Drop in same drive/ different drives
  - Search Filter
- File Compression
  - Compression Programs/ Extensions/ Decompression
- Keyboard Shortcuts
  - F2, F3, Ctrl + C/X/V

# Example Question

1. What is the keyboard shortcut for paste?
  - A. Ctrl-C
  - B. Ctrl-K
  - C. Ctrl-U
  - D. Ctrl-V





## Example Question (cont.)

2. Which of the following is **NOT** correct about file compression?
- A. You can only compress one file at a time.
  - B. Compressed file can be in .zip, .7z, .rar, or other extension, depend on the compression program used.
  - C. Microsoft Windows 2007 has a built-in compression software.
  - D. Compressed file needed to be decompressed (unzipped) before it can be used.

# Microsoft PowerPoint (1)

- Getting Start and Home Tab
  - Screen Layout
  - Creating new Presentation
    - Blank/ Templates/ Themes
  - Views
    - Normal/ Slide Sorter/ Slide Show/ Note Page/ Slide Master
  - Open/Close/Save
- Formatting  
(Home→Paragraph)
  - Fonts/Size/Color
  - Alignment
  - Indentation
  - Text Direction
  - Fill/ Outline/ Effect
  - Arrange



# Microsoft PowerPoint (2)

## ● Insert Tab

- Extra Tab(s) that appears when you select an object
- Table
- Picture/Clip Arts/Shape
- Smart Art
- Chart
- Textbox/ Word Art/ Symbol
- Footer/Date & Time/Slide Number
- Hyperlink/Action

## ● Design Tab

- Page Setup/ Slide Orientation
- Theme
  - Colors/ Fonts/ Effects
- Background
  - Solid/ Gradient/ Pattern/ Picture

## ● Slide Show Tab

- Custom Slide Show
- Hide Slide

# Microsoft PowerPoint (3)

- Animations Tab
  - Slide Transition
  - Slide Animation
    - Custom Animation
      - Start/ Property/ Speed
- View Tab → Slide master
  - What happen when you make changes here
  - Slide Master
  - Slide Layout
- Finishing steps
  - Changing Slides Order
  - Note
  - Print
    - Slide/ Handout/ Note/ Outline
- Steps to Create a Presentation



# Example Question

1. If you want to change the look of all slides in the presentation and the order they appear, which view will help you do this quickly?
  - A. Slide Show
  - B. Slide Sorter
  - C. Slide Master
  - D. Print Preview



## Example Question (cont.)

2. After inserting a picture, you find that you only need to use only a part of the picture and want to cut the rest of the image. What tool can you used to do this?
- A. Crop
  - B. Cut
  - C. Portion
  - D. There is not tool available for this



# Internet

- Computer Network
  - LAN/MAN/WAN
- Internet
  - Protocol (TCP/IP)
  - IP Address vs. Domain Name vs. URL
    - Top-level Domain (TLD)/ Second-Level Domain (SLD) / Lower-Level Domain (LLD)
- Services on Internet
  - E-mail
  - FTP/Telnet
  - WWW
    - Web Browser/Server
    - Web Development
  - Searching
    - Google Image
  - Web Applications
  - Web Hosting/ ISP

# Example Question

1. For domain “www.cmu.ac.th”, what does the Top-level Domain (TLD) tell you?
  - A. The website is on world wide web.
  - B. The website is an academic website.
  - C. The website is located (or at least registered) in Thailand.
  - D. The website is for Chiang Mai University.



## Example Question (cont.)

2. If you want to put your website somewhere that is accessible for people on the internet, what service do you need?
- A. Cloud Storage
  - B. ISP
  - C. FTP
  - D. Web hosting

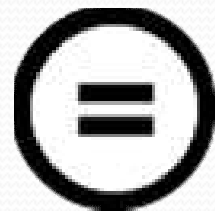
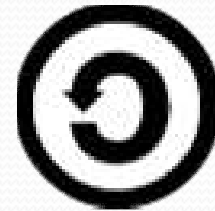
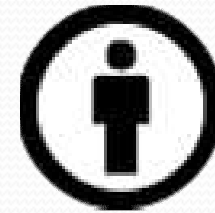
# Google Form

- What is it?
- What can it do?
- Steps in Making a Survey
  - Create → Distribute → View Responses
- Google Docs
- Google Account
- Google Drive
- Creating a Survey Form
  - Adding Questions/ Objects
  - Types of Questions
- Distributing the Survey
  - Options
  - URL/ Social Media/ E-mail
- Destination of Responses
- Viewing the Responses
  - Summary/ Spreadsheet



# Computer Ethics

- Meaning
- PAPA
  - Privacy
  - Accuracy
  - Property
  - Accessibility
- Intellectual Properties
  - Creative Commons
- Laws



# Computer Security

- Hackers
- Computer Attacks
  - Virus/Worm/Malware/DoS
- Computer Crimes
  - Cyberstalking
  - Fraud/ ID Theft
  - Phishing/ Scam/ Hoax
- How to Stay Safe Online
  - Online Safety Practice
  - Password
  - Antivirus/Antispyware





# Example Question

1. You get a email from your bank, telling you to click on the link and log in. Should you do it, and why?
  - A. Yes, because you can trust every e-mail sent to you.
  - B. Yes, because the email is from your bank.
  - C. No, because it might be a phishing attack.
  - D. None of the above answers are correct.

# Web Authoring

- Anatomy of a Website
  - Domain Name
  - Website/ Web Page/ Home page
  - Site Map
- Website Design
  - Structure
    - Purpose/ Audience/ Focus/ Organization
    - Layout (header/content/footer/ menu/banner)
    - Responsive Web Design
  - Interface
    - Color
    - Font
    - Image & Multimedia
  - Web Authoring Tools
  - Social Media
    - FB Group/ Page/ Profile



# Google Sites (1)

- What it is?
- What can it do?
- Google Sites Program Policy
- Getting Start
- Creating a Site
- URL Naming Restriction
- Creating a Page
  - Templates
    - Announcement/ File Cabinet/ List Page/ Web Page
- Editing a Page
  - Insert/ Format/ Table/ Layout/ Help
  - Insert
    - Picture/ ToC/ YouTube Clip/ Map/ etc.
  - Format
  - Table
  - Layout



# Google Sites (2)

- Background
- Sharing the Site
- Setting Permission
- Deleting a Page/ Site