



# Application Software

# What is software?

- Software is any type of program
- Programs have step-by-step logical instructions which tell the computer
  - What to do
  - How to do it

# What is Application Software?

- types of programs that make computers perform **specific** tasks

Word processing

Spreadsheets

Graphics

Desktop Publishing

Database

Accounting

Games

Email

Communication

Multimedia

Project Management

# Word Processing — most common software



Word

- **outputs** —  
(type of material produced)  
choose this software when you need to produce text based documents eg letters, reports, memos, display documents
- **Purpose/function** —  
(what it specifically does)  
choose this software because it allows editing, formatting, spell checking, mail merge, integrate graphics etc





- outputs –

eg financial planning, cashflow forecasting and budget tracking

- Purpose/function -

choose this software because it allows calculations and recalculations using formulae

[illegible]



Access

# Database

frmPatients

## Patient Form

Doctors Patients

ID No

Name

Gender  Date of Birth

Charge  No of Visits

Visit Cost

- **outputs** – choose this software when you need to produce forms, formatted reports or specific queries from large amounts of facts stored in related tables

- **purpose/function** – choose this software because you can record facts about a particular subject or related subjects

### Report of Charges over \$35.00

Doctors Patients

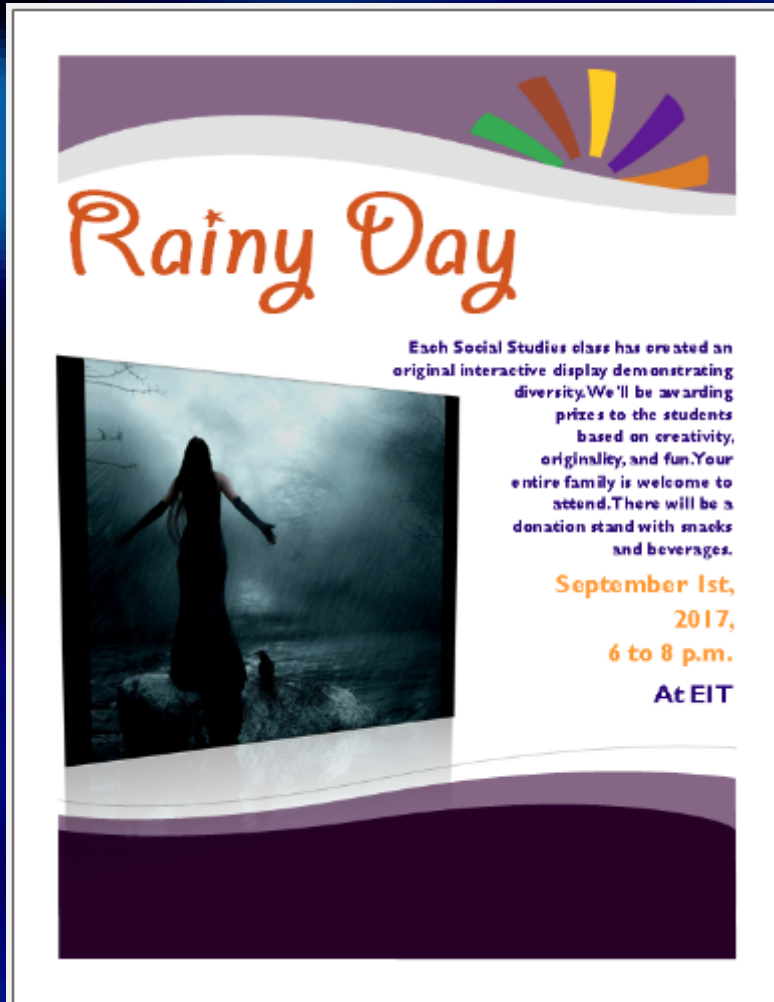
Name	Charge	Date of Birth
Female		
Danielle Holcomb	\$45.00	13/11/1954
Gabriella Eldred	\$45.00	9/02/1952
Gabriella Crispell	\$65.00	18/05/1959
Gay Robertson	\$45.00	1/02/1974
Jocelyn Gentleman	\$65.00	7/01/1965
Kimberly Gilkison	\$45.00	10/04/1977

Averager Charge per Gender	\$51.67
Maximum Charge per Gender	\$65.00



Publisher

# Desktop Publishing



- **outputs** — choose this software to produce layout and design based publications eg flyers, ads, brochures
  - **purpose /function** — choose this software because it allows you to combine text, diagrams, maps, interesting fonts and graphics
- layout planning is essential

# Graphics – 4 types of graphic programs

- Photo editing
- Presentation
  - Drawing
  - Analytical

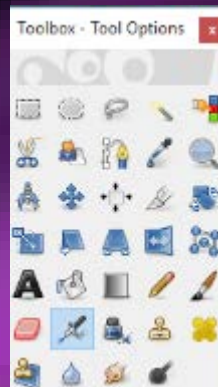


# Photo editing graphics

GIMP – free  
download

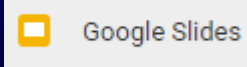


- **outputs** –  
choose this software to  
edit digital images eg  
from your digital camera  
downloads
- **purpose /functions** –  
choose this software  
because it allows you to  
lighten, crop, rotate,  
resize, clone, copy digital  
images



# Presentation graphics

PowerPoint  
or  
Google Slides



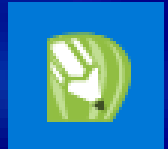
- **outputs** – choose this software which is a communication tool to present graphic displays as slides, transparencies or electronic presentations



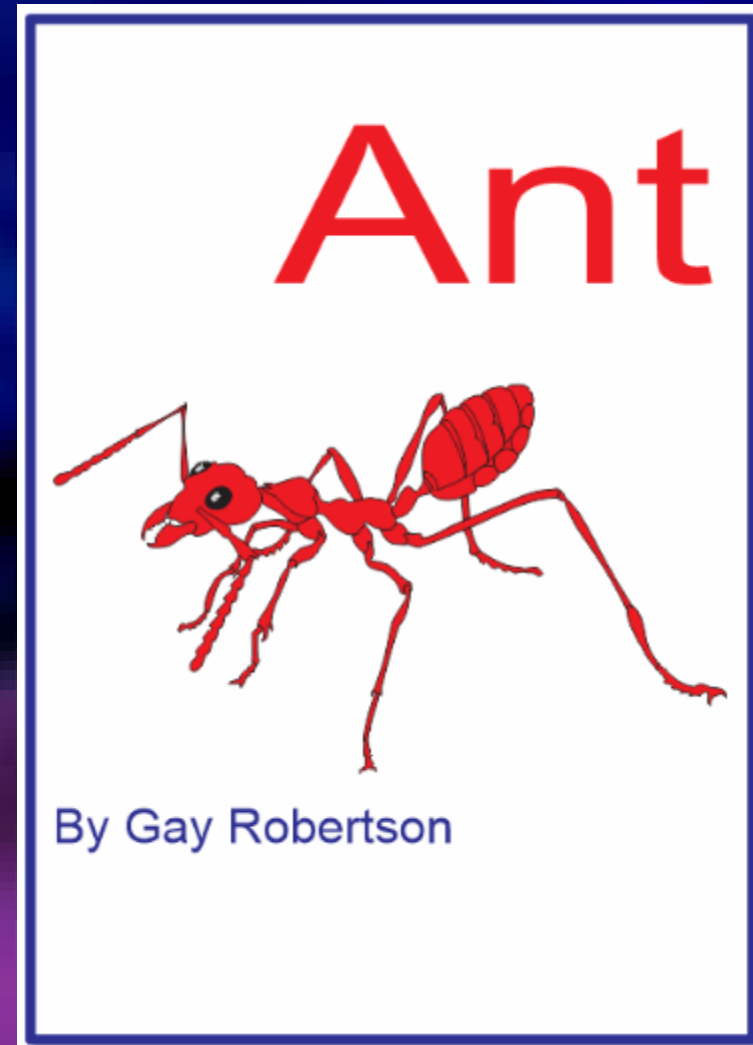
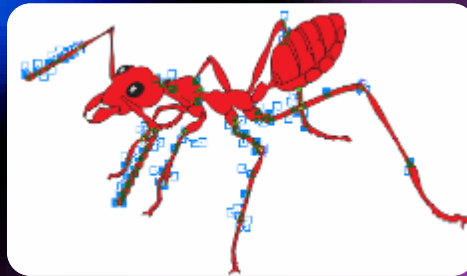
- **purpose /functions** – choose this software because it allows you to highlight important points useful for marketing or training

# Drawing graphics

CorelDraw

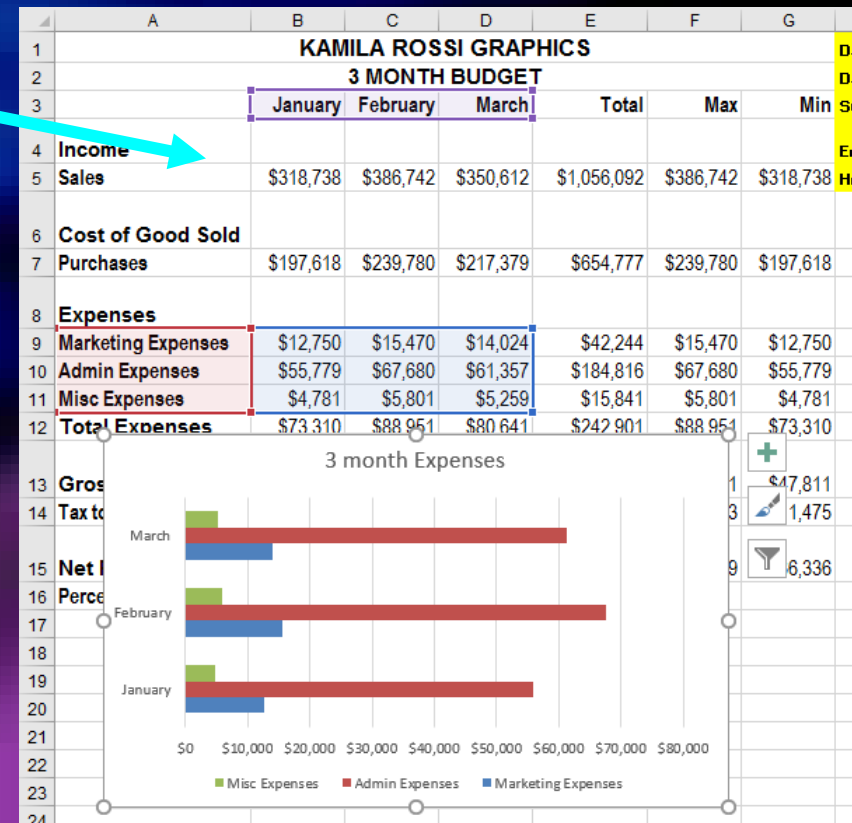


- **outputs** –  
choose this software to create artwork
- **purpose /functions** –  
choose this software because it allows you to produce incredibly complex art relatively easily using drawing and painting tools



# Analytical graphics – part of a spreadsheet

- **outputs** –  
choose this software to convert numbers into graphical pictures
- **purpose /functions** –  
choose this software because it allows you to choose best type of graph to make numbers easier to read and understand



# Communication

Gmail



Outlook



Skype



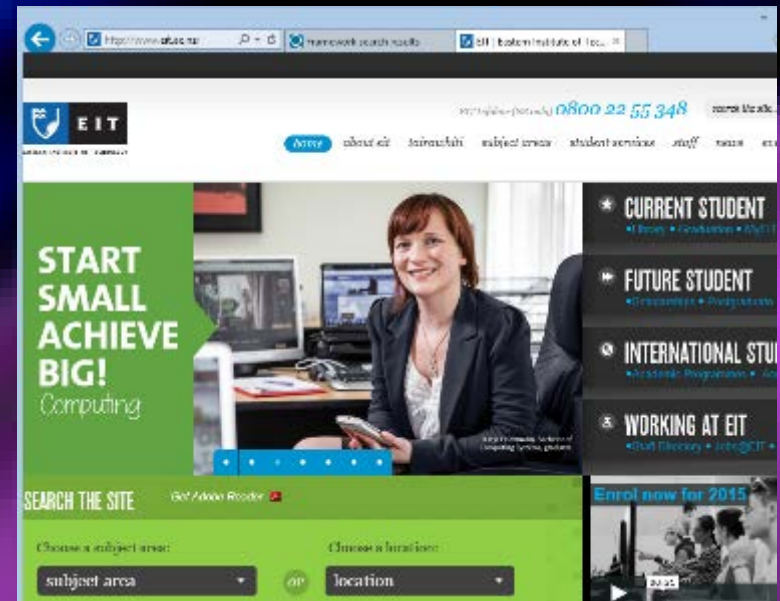
- **outputs** –  
choose this software to send E-mail messages (with attachments) and to use calendar for time management
- **purpose /functions** –  
choose this software because it enables you to communicate with other computer users





# Web Browsers

- **outputs** –  
choose this software to search  
on the internet
- **purpose /functions** –  
choose this software because it  
allows you to find or browse web  
sites  
and allows you to view web  
pages



# Application Software

- programs that perform **specific** tasks



and there are many, many more .....

# Interaction between Application and System software





C COMPUTER  
USER

Enters a command to  
ask the computer to  
save a file

A APPLICATION SOFTWARE

Receives instruction,,  
uses system software to  
complete task

S SYSTEM SOFTWARE

Interprets the application  
software command,  
directs the use of disk  
storage, monitor messages  
etc

H HARDWARE

Follows the system  
software instructions  
to perform task

# Another way of looking at the interaction

**C** computer user enters a command



**A** application software receives the command

**S** system software interprets the command

and directs

**H** hardware to carry out the command

# Another way of looking at the interaction



computer user

E

enters a command

application software

R

receives the command

system software

I

interprets the command

and directs

hardware to

C

carry out the command

# End of presentation

- Next steps

Go back to the workbook

You will see that there are Study Notes which show the **outputs** and **purpose** of application software