



Online Services

by Prakarn Unachak

Outline

Outline

- **Introduction**
- **Google Services**
- **Microsoft Online Services**
- **Online Service on Social Media and other Services**
- **CMU Online Services**
- **CMU Library Services**



Introduction



Online Services

- **In the past, if you need a computer to do something, you'll have to install a program**
- **These days, you can get many services with just your smartphone or web browser**

Online Services (cont.)

➤ 2 Types of online service

1. Web Services

- Work through web browser
- (Should) Work any platform with web browser
- Need URL to service

2. Mobile Applications

- Work as independent program on smartphone (need quick installation)
- Download from App Store (iOS) or Play Store (Android)
- Might only work on iOS or Android

Cloud Computing

- **Many online services use Cloud Computing: a cluster of servers (Cloud) working together, providing a singular interface to the service**
- **From users' points of view, they are connecting to a single "computer"**
- **Example of services via cloud computing**
 - **Cloud Storage: Google Drive, OneDrive, Dropbox**
 - **Gmail, Facebook, Google Docs**

Advantages, Disadvantages

➤ Advantages

- Low/no cost to use
- Can be used anywhere (with internet and no censorship)
- Can be used/ share data on multiple platform

➤ Disadvantages

- Most will require internet connection
 - Some do have offline mode at limited capabilities
- Quality of service can depend on quality of internet connection
- Many will collect user data/ privacy concern

...and Cautions

➤ Cautions

- Risk of data/financial/identity theft
- Use only trustworthy service
- Apps on Play Store, iStore \neq Trustworthy!

Google services



Google services

- **Google Services:**
 - **No cost for personal use**
 - **A service usually has web service and mobile application versions**
 - **Collect user data for ads/ research**
- **Many services require Google account**
 - **The rest will have improve functionality while logged in**
 - **You'll trade privacy for extra services!**
- **Get a Google account @ <https://goo.gl/dm7bnb>**

Google Search

- **Although Google account is not required, search will be more personalized while logged in**
 - Results might not match other's
 - Loss of privacy

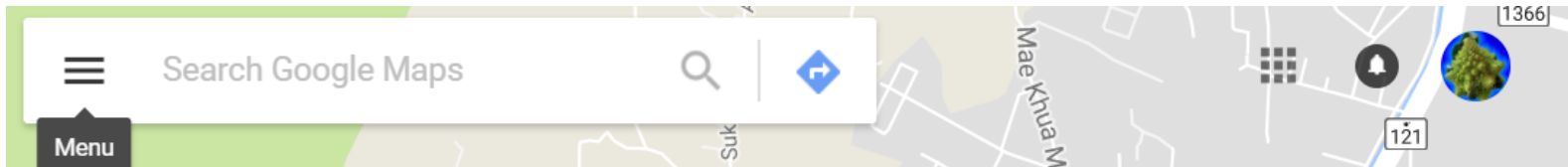
- **Extra search functions**
 - Google Image Search: <https://images.Google.com/>
 - Find academic books/papers @ Google Scholar: <https://scholar.Google.co.th/>
 - Use keywords such as:
 - **define:** get a definition of a word
 - **site:** limit search to a certain website

Google Map (1)

- <https://maps.google.com/>
- **Location, direction service**
- **Google account is not required, but you can save locations while logged in**
 - **The mobile app will track your location**
- **You can:**
 - **Search for a location**
 - **Search for something (restaurant, hotel, etc.) around a location**
 - **Get a direction**
 - **Driving, mass transit, or walking**
 - **Will take time of days into account (traffic)**

Google Map (2)

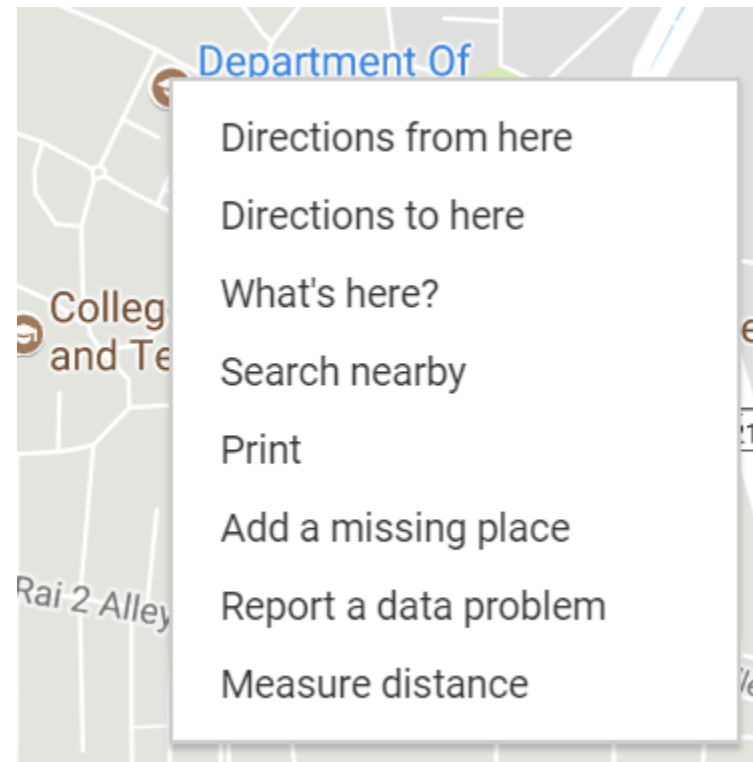
➤ Start more advance functions with the Menu



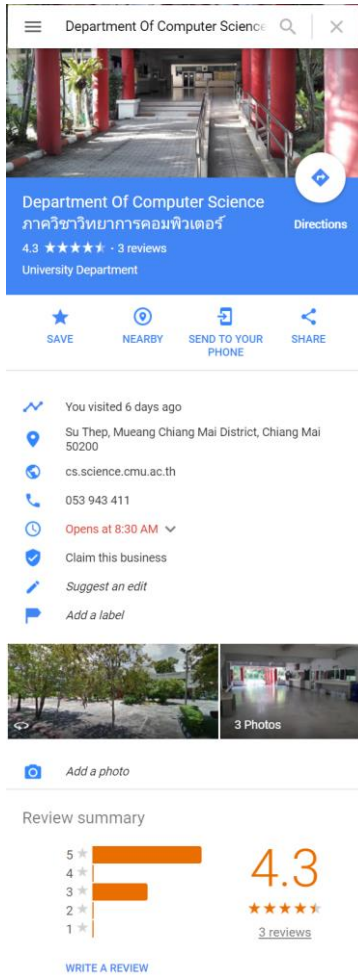
➤ Or right click at the location, and:

- ▶ Get a direction
- ▶ Search for something nearby the location

➤ Or left click for more information



Google Map (3)



Location's Information

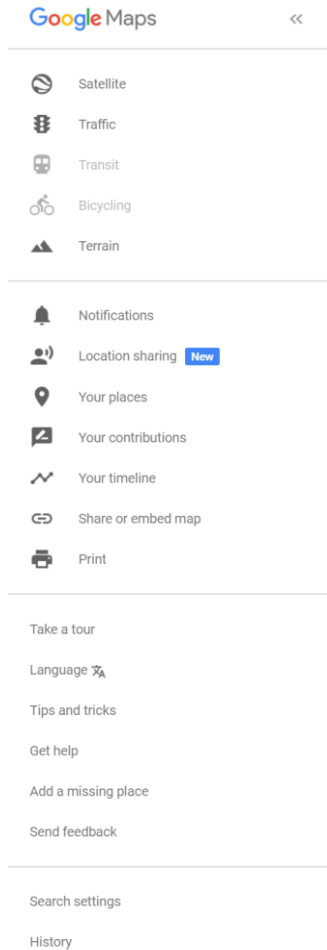
➤ Location information

- ▶ Website, opening hours, telephone numbers, photographs, reviews, etc.
- ▶ Many are updated by users

➤ You can do:

- ▶ **Save:** save the location in your location (need to be logged in)
- ▶ **Nearby:** search nearby
- ▶ **Send to Your Phone:** send location to (Google map on) your smartphone
- ▶ **Share:** give you the map link: the URL to the location on Google Map

Google Map (4)



Menu

- **Satellite:** shows satellite map
- **Traffic:** shows traffic status
- **Terrain:** shows elevation
- **Your places:** shows places you have saved

Google Calendar (1)

- <https://www.Google.com/calendar>
- **Provide calendar service**
 - You can enter an event, and the service will notify you when the event is near
 - Will track holidays for you
 - Will also pull important dates from Google account
- **Require Google account**

Google Calendar (2)

- Click on a slot on the calendar, and select:
 - **Event** (with specific time slot)
 - or **Reminder** (something that will come up that day)
- For event you can choose **Edit event** to add more details

The screenshot displays the Google Calendar interface. At the top, there is a search bar and navigation options. The main calendar view shows a week starting from Sunday, July 23, to Saturday, July 29, 2017. A modal window is open in the center, titled "Event | Reminder". It contains a text input field with the placeholder "e.g., Breakfast at Tiffany's", a "When" section with the text "Mon, July 24, 3am - 4am", and two buttons: "Edit event" and "Create". The background calendar shows a reminder for "King Vajiralongkorn's E" on Friday, July 28.

Google Translate

- <https://translate.google.com/>
- **Provide translation services, can translate from:**
 - **Text**
 - **Web page**
 - **Speech**
 - **Text on image (mobile app)**
- **Can translate over 90 languages**
- **Google account not required**

Google Translate (Mobile App)

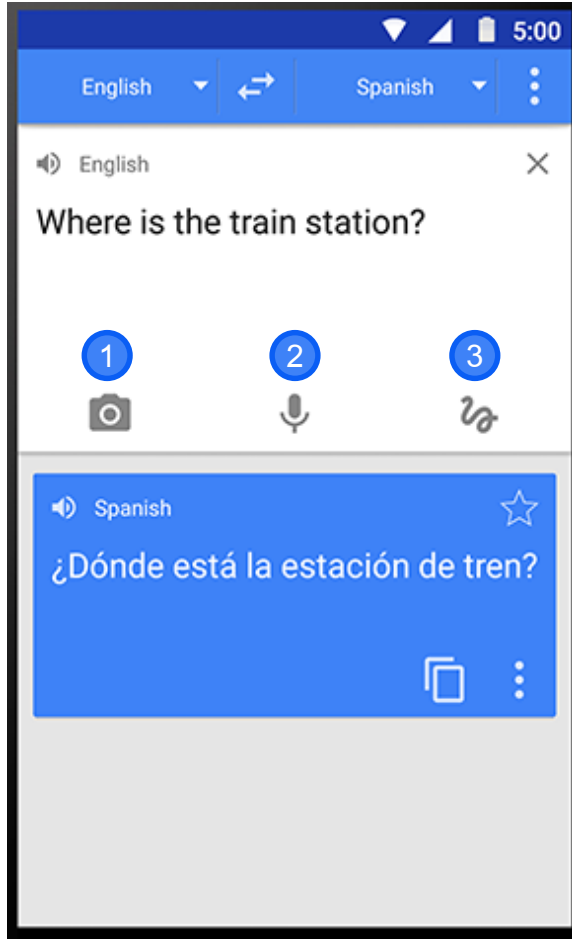


Image Source: [translate.Google.com](https://translate.google.com)

1. **Word Lens** translates from text in the image
 2. Translate from speech
 3. Translate from handwriting
- (Does not cover all languages)**

Google Translate (Word Lens)

➤ Translate what you see in the camera...

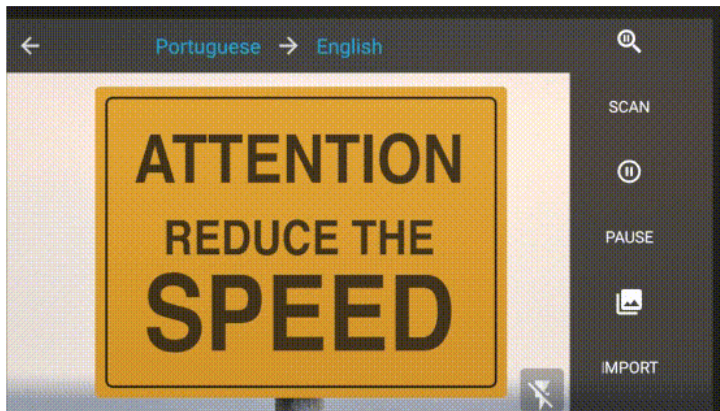
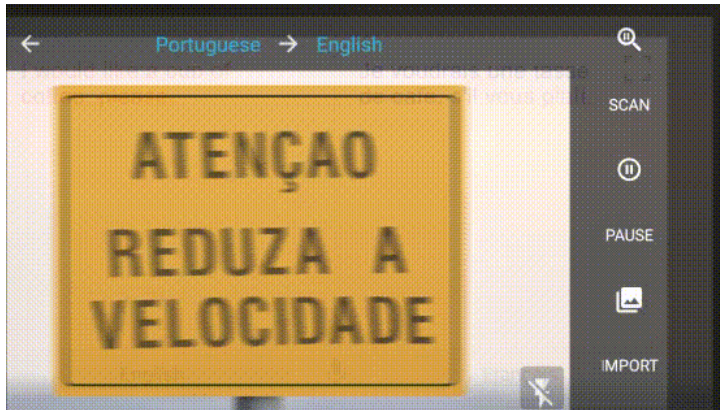


Image Source: translate.google.com



➤ Or take a picture and highlight

Google Docs (1)

➤ **Similar to Microsoft Office**

➤ **Require Google account**

➤ **Services**



Documents (Docs) creates and manages documents like Microsoft Word



Spreadsheet (Sheets) creates and manages spreadsheets like Microsoft Excel



Presentation creates and manages presentations Microsoft PowerPoint



Form creates and manages questionnaire/surveys

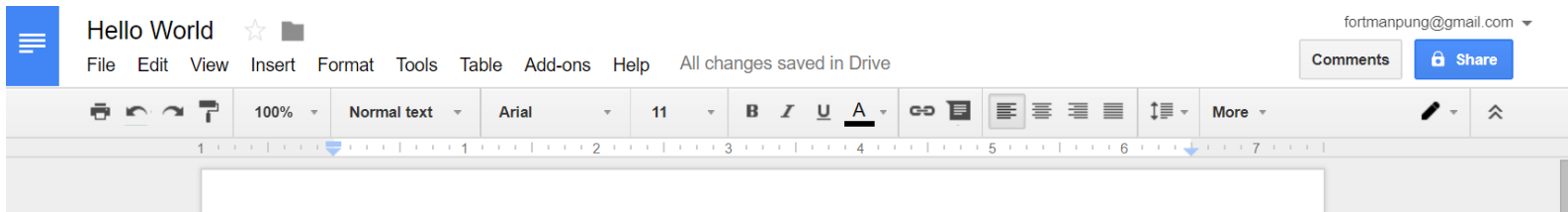


Drawing creates and manages shape drawing

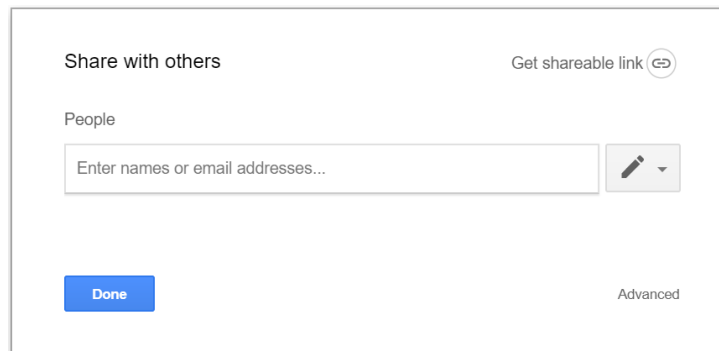
➤ **Created files will be stored in Google Drive, but they can be imported in other formats**

Google Docs (2)

- **On Google Docs, you can collaborate with multiple people on the same file**



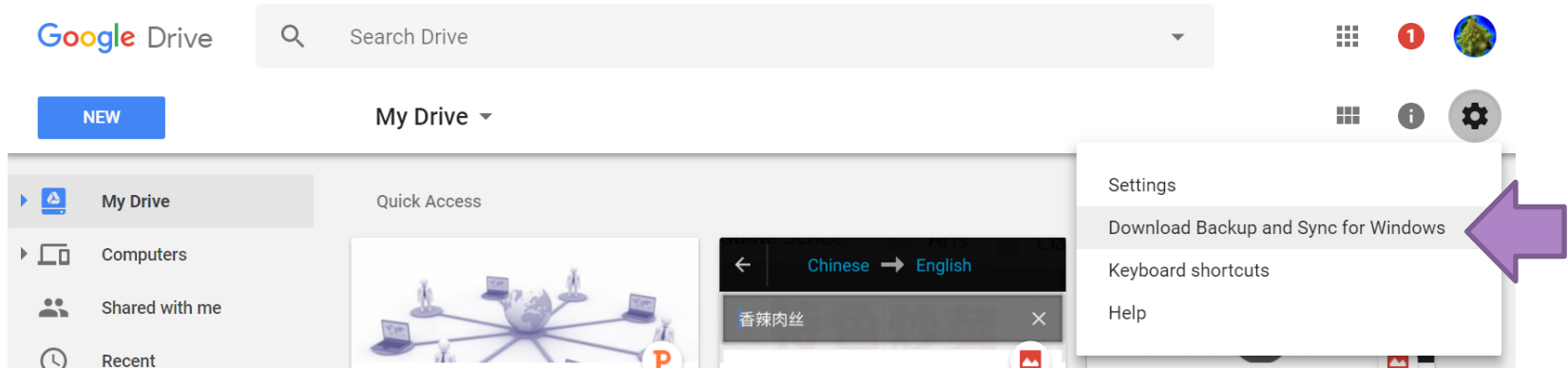
- **Click [Share](#) and choose whether to share with particular persons, or use sharable link**



Google Drive (1)

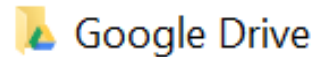
- <https://drive.google.com>
- **Cloud storage: allow you to store files on the web**
- **Require Google account**
- **Provide:**
 - **Storing data on the web**
 - **Online access (web or mobile)**
 - **You can also install Google Drive program, then access your contents on Google Drive like you would files on your PC, with automatic sync**

Google Drive (2)



➤ To install Google Drive, click **Setting** then select **Download Backup and Sync for Windows**

➤ After installation, the program will maintain a copy of all your files on Google Drive and update automatically



➤ ... but automatic update is not always instantaneous. Need to confirm that the file is updated (✓)



Microsoft Online Services



Microsoft Online Services

➤ Outlook

- E-mail service
- Web client application available on PC and mobile
- Web service also available
- <https://outlook.live.com/>

➤ Bing

- A search engine, similar to Google
- Bing stands for “Bing is not Google”

➤ OneDrive

- Cloud Storage, similar to Google Drive

Office 365

- <http://o365.cmu.ac.th/>
- **Office Applications**
 - **Word, Excel, PowerPoint, Outlook, and some others**
- **Yearly subscription fee but CMU students can use for “free”**
- **Login with CMU Account then you can download and install Microsoft Office**
- **Beside install suites, you can use Office as web service or mobile application**

Social Media and Other Services

Facebook Services

➤ Events

- <https://www.facebook.com/events>
- Create events with notifications Google Calendar
- Can also create events and invite other people

➤ Facebook Group

- <https://www.facebook.com/groups>
- Create and join semi-private discussion groups

Facebook Services (cont.)

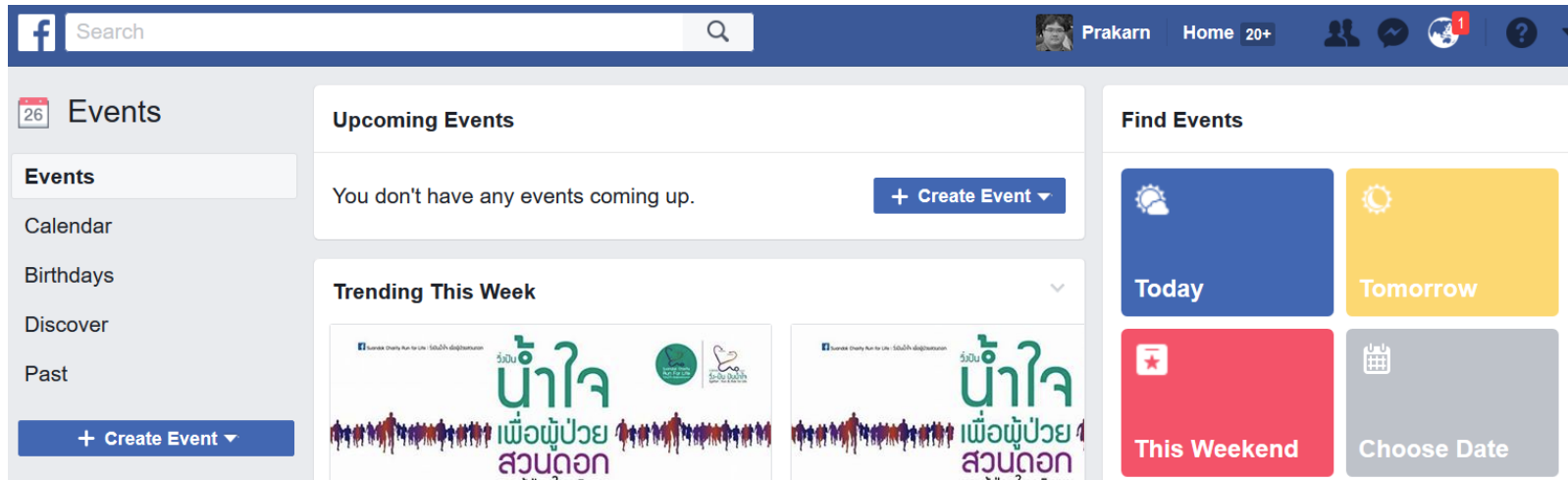
➤ Facebook Page

- <https://www.facebook.com/pages>
- Facebook Account for public entities
 - Business , celebrities, products, or organization
- Used for promotions or PR

➤ Facebook Live

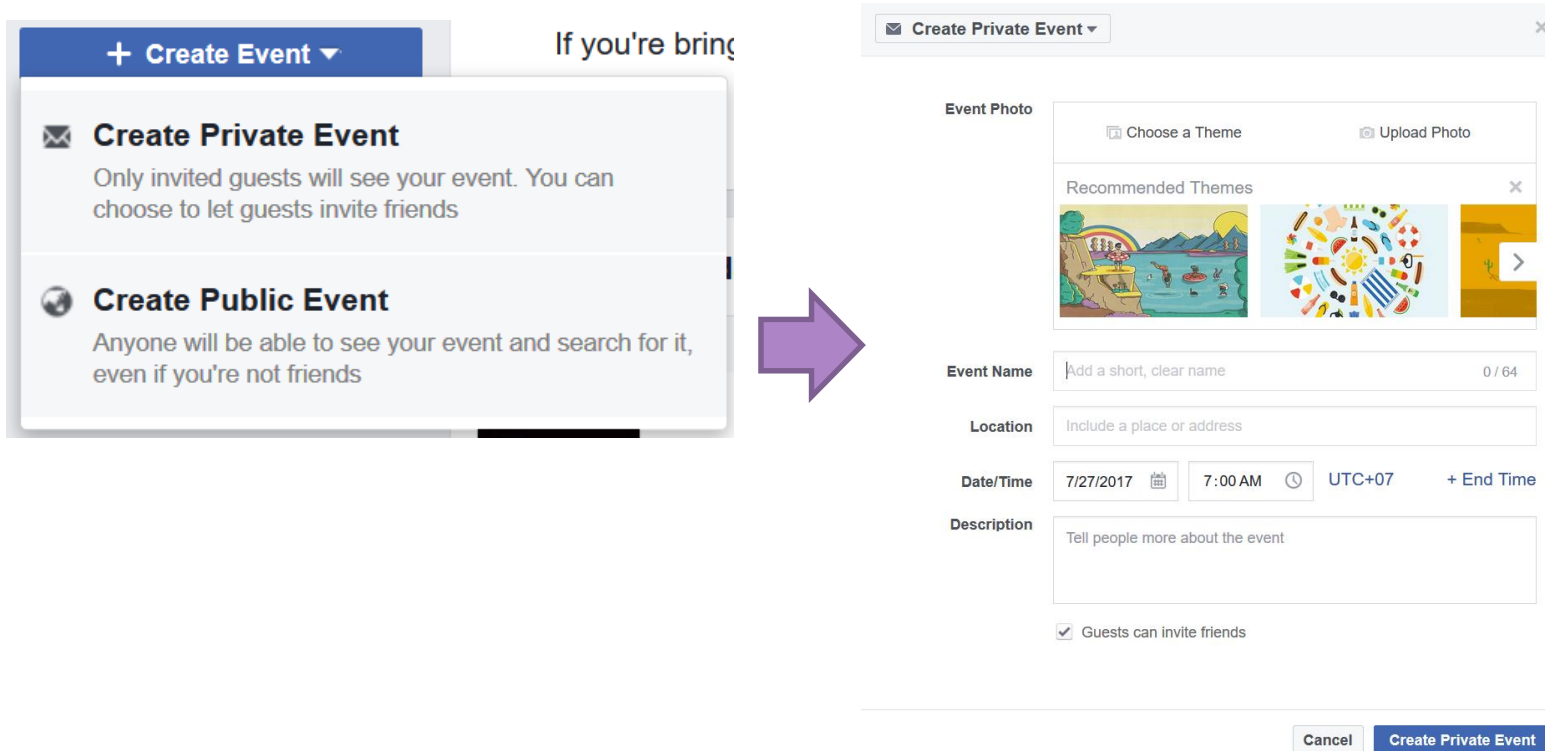
- <https://live.fb.com/>
- Live play via Facebook, only need camera or smartphone
- Enjoy others' Facebook Lives @
<https://www.facebook.com/livemap>

Facebook Event (1)



- On **Facebook Event** section, we can:
- Look at important events on the calendar
 - Search for interesting events (Discover, Fine Events)
 - Go over past events (Past)
 - ... or create a new one (Create Event)

Facebook Event (2)



The image shows a two-step process for creating a Facebook event. On the left, a dropdown menu is open under the '+ Create Event' button. It offers two options: 'Create Private Event' (with an envelope icon) and 'Create Public Event' (with a globe icon). The 'Create Private Event' option is selected, and its description reads: 'Only invited guests will see your event. You can choose to let guests invite friends'. A purple arrow points from this menu to the right, where a 'Create Private Event' form is displayed. The form includes fields for 'Event Photo' (with 'Choose a Theme' and 'Upload Photo' options), 'Event Name' (with a character count of 0/64), 'Location' (with a placeholder 'Include a place or address'), 'Date/Time' (set to 7/27/2017 at 7:00 AM UTC+07), and a 'Description' field. A checkbox at the bottom is checked, labeled 'Guests can invite friends'. At the bottom right of the form are 'Cancel' and 'Create Private Event' buttons.

➤ **Create Event: Select *Private* or *Public*, then fill in details**

Facebook Group

➤ Private spaces for people to connect and share information

➤ Created by users

➤ Group admins can adjust:

□ Privacy Setting

- **Public**
- **Closed:** Non-member can see the group, but not the posts
- **Secret:** Non-member cannot see the group

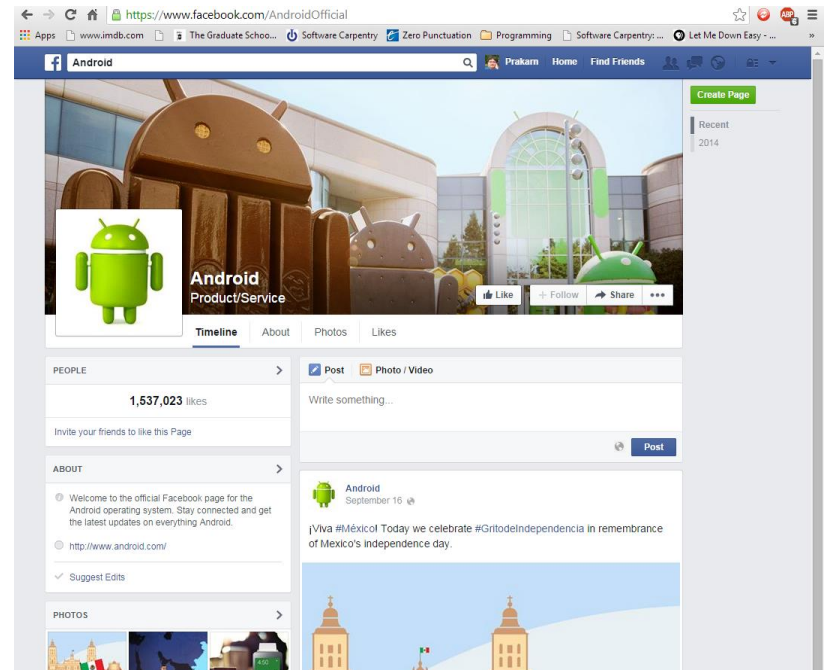
□ Membership option

- Invite only, ask for join, anyone can join



Facebook Page

- **Public profile for business, celebrities or organization**
- **User can like FB Page to follow updates on it**
- **With fee, FB can promote your Page**
- **Can also be generated automatically**



Other Service: Wolfram Alpha (1)

- Search Engine specialized in academic topics
- <https://www.wolframalpha.com/>
- With Wolfram Alpha, you can:
 - Search in specialized topics
 - Created tables, plot and perform analysis from entered data
 - Solve an equation, like $x^2 - 4 = 0$

Wolfram Alpha (2)

➤ Entering query



Enter what you want to calculate or know about:

$x^2 - 4 = 0$



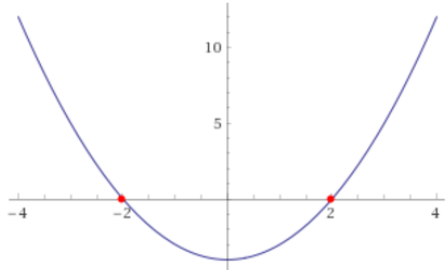
Web Apps Examples Random



Wolfram Alpha (3): The Result

Input:
 $x^2 - 4 = 0$ [Open code](#)

Root plot:



Alternate forms:

$x^2 = 4$ [Open code](#)


$(x - 2)(x + 2) = 0$ [Open code](#)

Solutions: [Step-by-step solution](#)

$x = -2$ [Open code](#)

$x = 2$ [Open code](#)

Number line:



Other Services: Web Audio Service

➤ Audio Streaming Service

- Allow users to upload, share, or even sells songs or other audio files
- ❖ Examples (also available as mobile apps):
 - Bandcamp: <https://bandcamp.com/>
 - Soundcloud: <https://soundcloud.com>
 - Spotify: <https://www.spotify.com>

➤ Podcast

- ❖ (Episodic) audio program that you can download/stream
- ❖ Many genre and topics exists
- ❖ Where to find:
 - iTunes
 - Or from the creators, like <http://www.bbc.co.uk/podcasts> (English)
 - Or <http://www.npr.org/podcasts/> (English)
 - Or <http://www.bbc.co.uk/programmes/p02p9f6q> (Burmese)
 - Or <https://serialpodcast.org/> (English)

Other Services: Online Banking

- Many banks allow you to perform transactions online such as checking balance, transfer money, or paying fees
- Security issues exist
- Avoid online banking on public computer
- Example: Siam Commercial Bank
 - <https://www.scbeasy.com>

Chiang Mai University

Online Services

Jumbo Plus & CMU Email

Jumbo Plus

- <https://jumbo.cmu.ac.th/>
- CMU's wifi network
- Require CMU Account for access
- Cover (most of) the university

CMU Email

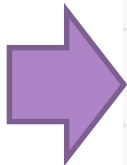
- <https://portal.cmu.ac.th/> then select *Student Email*

CMU SIS (1)

- **Chiang Mai University Student Information System**
- <https://sis.cmu.ac.th/cmusis>
- **Students can:**
 - **Manage student's information**
 - **Evaluate Teaching**
 - **Make an appointment with advisor**
 - **“Self Exploration” see if you need help**
 - **Apply for scholarship**
 - **Looking for/ apply for a job**
 - **Print receipts**
 - **Even access CMU Transport (purple shuttles) routes**
(<http://transit.cmu.ac.th/>) or (<http://cmutransit.com> in Thai)

CMU SIS (2)

Changing Language Here



CMU SIS CHIANG MAI UNIVERSITY | STUDENT INFORMATION SYSTEM CHIANG MAI UNIVERSITY

0

TH ENG

Chiang Mai University Student Information System

- Personal registration
- News
- Evaluation teaching
- Self exploration
- Job system
- Scholarships
- Request form
- Advisors system

Learning	Scholarships สมัครขอรับทุนการศึกษา	Self Exploration สำรวจตนเอง
วิชา	Register Participants ลงทะเบียนเข้าร่วมกิจกรรม	CMU Studentloan สำหรับ นศ. กยศ./กรอ.
พิมพ์ใบชำระเงิน ค่าธรรมเนียมหอพัก	CMU Sport จองใช้สนามแบดมินตัน	

CMU VPN & Web Hosting

VPN (Virtual Private Network)

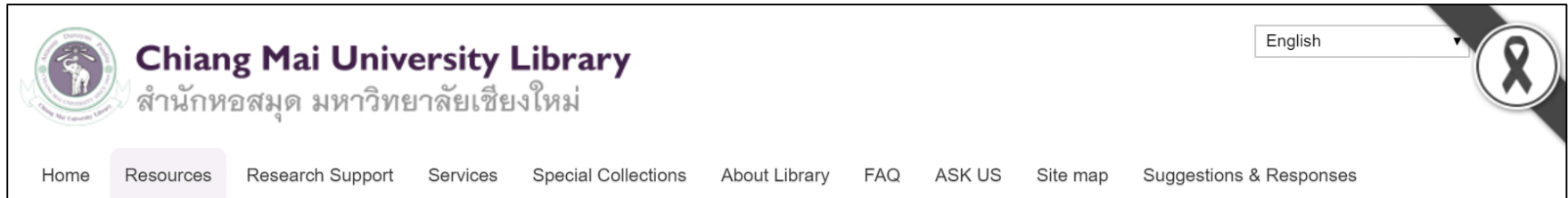
- <http://vpn.cmu.ac.th/>
- **CMU VPN will make it appear to outside web that you are accessing them from inside CMU**
- **Useful for some services, like accessing academic articles from publishing house that offer free download of academic articles for CMU**

Web Hosting

- <https://myweb.cmu.ac.th/>
- **Host (store & make available online) website on CMU Server**
- **Please follow restrictions carefully**

CMU Library Online Services

Library Services



- <http://library.cmu.ac.th/cmuh/en>
- **Resources:** searching for articles, using online database
- **Research Support:** extra research tools
- **Services**
 - Information of services
 - To loan a book, a member card is required
- **About Library:** information such as history, opening hours, locations, and rules
- **ASK US:** send query to library staffs

Searching for a Book

1. Go to **Resources**
2. → **Printed Materials**
3. → **Chiang Mai University Library Online Public Access Catalog**
4. Select how to search, by
 - ▶ **Author**
 - ▶ **Keyword**
 - ▶ **Subject**
 - ▶ **Title**
5. Select Database
 - ▶ **Main Database for books**
 - ▶ **Article Database for journal articles**

▼ Resources

▼ Printed Materials

- ① • Chiang Mai university Library Online Public Access Catalog
 - Journal



CMUL Online Public Access Catalog (OPAC)

② KEYWORD ④

Databases

- ③ Main Database : Books, Journals and Audio Visual Materials
 Article Database : Journals, Newspapers, Northern Collection, Phampletes

4. Enter the search term, then press **Search**



Book Search Result (1)

SUBJECT information technology Search				
Result Page 1 2 3 4 Next				
Save Marked Records Save All On Page				
Num	Save	SUBJECTS (1-50 of 157)	Year	Entries 613 Found
1	<input type="checkbox"/>	Information technology		142
2	<input type="checkbox"/>	Academic libraries -- Information technology		2
3	<input type="checkbox"/>	Information technology -- Acronyms	c2002	1
4	<input type="checkbox"/>	Administrative agencies -- Information technology -- United States	2016	1

- If you search by Author, Subject or Title, the system may prompt you for more specific selection
- Relevant selections will be shown, along with entries for each selection

Book Search Result (2)

➤ Choose a selection, and you'll see list of books

Result Page 1 2 3 Next

Save All On Page

SUBJECTS (1-50 of 142)

Information technology

- Academic information networks and systems : proceedings 2-3 March 1995 at Ambassador Hotel in Bangkok**
International Workshop on Academic Information Networks and Systems (1995 : Bangkok, Thailand)
Bangkok : NECTEC, 1995

Request

LOCATION	CALL #	STATUS
Main	021.65.165A	LOOK ON SHELF
- Application of expert systems in libraries and information centres**
London : Bowker-Saur, c1992.

Request

LOCATION	CALL #	STATUS
Main	025.30285 A652	LOOK ON SHELF
Humanities-store	025.30285 A652 c.2	LOOK ON SHELF
- Application of information technology to improve productivity in Thai Service Corporations : final report**
Watana Patanapongse
Bangkok : Thailand Research Fund, 1999

Request

LOCATION	CALL #	STATUS
Main	G.P. 658.4038 W324A	LOOK ON SHELF
- Application of IT in Asian small enterprises**
Tokyo : Asian Productivity Organization, 2003

Request

LOCATION	CALL #	STATUS
Main	338.926 A652	LOOK ON SHELF
Main	338.926 A652 c.2	LOOK ON SHELF
- Applications of information technology in construction**
London : Institution of Civil Engineers, 1991.

Request

LOCATION	CALL #	STATUS
Engineering	624 A652	LOOK ON SHELF
- B2B.com : cashing-in on the business-to-business e-commerce bonanza**
O'Connell, Brian, 1959-
Horsbrook, Mass. : Adams Media Corporation, 2000

Request



LOCATION	CALL #	STATUS
Main	658.84 O18B	LOOK ON SHELF
- The Basics of information technology**
Rowley, Jennifer E.
London : Clive Bingley, c1988.

Request

LOCATION	CALL #	STATUS
Main	025.04 R884B	LOOK ON SHELF
- Becoming a successful intrapreneur : A Practical guide to creating an innovative information service**
Pantry, Sheila
London : Library Association, 1998

Request

Book Search Result (3)

7	<u>The Basics of information technology</u> Rowley, Jennifer E. London : Clive Bingley, c1988. <input checked="" type="checkbox"/> Request	
  Book Cart	LOCATION	CALL #
Main	025.04 R884B	LOOK ON SHELF

Book Cart

- Save the book in the list
- You can export saved list for later use

Request

- Alert the staffs to reserve the book for you

LOCATION	CALL #	STATUS
Where the book is can be main library (Main) or faculty libraries	Book shelf number, make locating it easier	Whether the book is available, on loan, or others

Searching for E-book or Other Documents

- **CMU has many e-books available on many publishing houses online databases**
- **To access, you may need to use CMU computer, logged into Jumbo Plus or use CMU VPN**
- 1. **Go to [Resources](#) → [Electronic media](#) → [e-Books](#)**
- 2. **Select a database**
 - **You should discuss which database you should use with your professor/ library staffs**
- 3. **Select the article in the database**
- **Additionally, we have [CMU e-Textbooks](#), a mobile applications**
 - **Some textbooks are available for reading on smartphone**