THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學
Department of Computing
電子計算學系

COMP 3511
Legal Aspects and Ethics of Computing
(Group Project Requirements)

Lotto Lai

2025

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Course Requirement

Specific assessment methods/tasks	% weighting
Individual Assessment	**60%**
1. Assignment x2 (Individual)	30%
2. Test (Individual)	30%
Group Assessment	**40%**
4. Project proposal (Group)	10%
5. Project PPT (Group)	30%
6. Project presentations (Group)	
Total	**100 %**

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Group Project Requirements

- **40% - Learner-centred work on a Ethics related topics**
- Students are required to form a group of **5-6 members**, and then select one topic from the following list for this scenario-based project.
- For each project, it is required to thoroughly search the recent literature on the chosen topic.
- A Write-up a proposal (in MSWord version) & PPT is requested by **Lecture 11**.
- The project must be finished by giving a **10-min presentation**, followed by **a 5-min Q&A session**, in the period of Week 12 and 13, as well as the submission of the finalized presentation material (in PowerPoint version) by end of Lecture 11.
- The list of literature references should also be submitted (at least **5** relevant articles, journal papers or books should be reviewed and cited for the final report).

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Group Project Proposal & PPT Format

- **Executive Summary**
  - Summarize your ethics related improvement plan for implementing different techniques and/or management system. (e.g. Ethics theories, Ethics Management related ISO standards, other ISO related stanards etc.) (Proposal - 1 page)

1. **Current state**
   - Describe the current state of your chosen the problem. (Proposal - 1 page.)
2. **Proposed solution based on Plan, Do, Check & Act (PDCA)**
   - Outline your proposed solution for using PDCA including different innovative ideas in your chosen organization & ethics problem to risk the organization risk. (Proposal - 1 page.)
3. **Plan of action and criteria for success**
   - Detail your plan of action for using proposed solution in your chosen organization for solving the problem. (Note: It should follow the Project Charter.) (Proposal - 1 page)
4. **Project Charter**
   - A project charter is used in project planning to outline the key aims and benefits of a project. It defines the project's objectives. (Proposal - 1 page)

- **Reference**
  - At least 5 reference quoted.

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SBS Project

Project Team Charter

Business Case

BSC Customer directly booking through SBS (Service Booking System) was not convenience (only fix IP in company) and not user friendly (unclear selection).

Problem Statement:
SBS interface is not user friendly and not flexible enough.
To reduce lead time by 30% (Depends on SBS design and may be changed)

Milestone

Date	Milestone & Release
Jul 19	Project Start (Define project charter)
Aug 2	Analysis of Lead Time (Not complete data in SBS)
Aug 10	Current Status AI-IS Study
Aug 10	Document Issues in Current System
Aug 23	To-Be Map
Aug 27	Expected Benefits Agreed by User
Aug 30	Implement short term To-Be Map
Aug 30	Work with IT on To-Be Map

Goal

To enhance AS-IS system to simpler for operation by both customer and CSO.

Scope

Enhance SBS for customer direct booking within BSC unit.

Team

Team Leader: Lotto
Sponsor: EU
Members:
BSC: AC
CSO: PL, VY
IT: MC, AL

Benefits & Cost

Tangible: $
Intangible:

Group Project Grading Criteria

From Proposal & PPT		
Well structured project proposal	10%	
Meeting objectives of topic with logic and good appearance	45%	
Use of data and evidence for argument		
Innovative ideas applied	20%	
Sub-total:		75%
From presentation		
Verbal and non-verbal communication skills	25%	
Effectiveness at Q&A		
Sub-total:		25%
Total:	100%	100%

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The List of Topics (I)

1. Based on Security Incident in Government Dept, propose enhancement for the InfoSec Management for Gov Dept/IT Organization/any Corporation.
2. Based on Ethics Case in Japan Manufacturer, propose ethic management in IT organization/any Corporation.
3. Based on whistleblower Case (e.g. Edward Joseph Snowden), propose whistleblower management in IT organization /any Corporation.
4. How to enhance AI Safety in IT organization/any Corporation.
5. Increase Awareness of Personal Data (Privacy) Ordinance (PDPO) in IT organization/any Corporation.

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The List of Topics (II)

6. How to reduce the risk of AI-enabled Fraud and Deception in IT organization/any Corporation.
7. Based on AI legislation in the world, select IT organization in one country (e.g. China, USA & EU, etc.) and propose how to handle it for reducing legislation risk of AI in IT organization/any Corporation.
8. Based on Apple case, propose a strategic protection measures for company's IP in IT organization/any Corporation.
9. Based on United Nations Sustainability Development Goals, propose the Sustainability Report for IT organization/any Corporation.
10. Based on ICAC Talks, propose a practical measures for reducing risk on bribery in IT organization/any Corporation.

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Topic 1. Security Incident Cases in Hong Kong

South China Morning Post
https://www.scmp.com › news › article · 翻譯這個網頁

24 FEB 2025

Hong Kong's investment promotion arm probes ...

26 分鐘前 — InvestHK says basic client information may have been affected, amid ongoing investigation into whether personal data compromised.

1. **Ransomware Attack**: ***Invest Hong Kong (InvestHK)*** reported a ransomware attack on part of its computer systems on February 22, prompting immediate action to tighten IT security and prevent further attacks.
2. **Immediate Actions**: InvestHK isolated affected systems, updated access rights, activated backup procedures, and reported the incident to the Police, Digital Policy Office, Privacy Commissioner, and Security Bureau.
3. **Affected Systems**: Preliminary findings indicate the attack impacted an internal CRM system, intranet, and parts of the website, including the contact form and event updates. Public services remain operational.
4. **Potential Data Leak**: The investigation is ongoing to determine if personal data, such as client contact information and staff records, was compromised. Affected parties will be informed if necessary.
5. **Public Warning**: InvestHK warned the public to be vigilant against suspicious emails or messages, emphasizing that it does not send embedded links for personal information or payments. Enquiries can be made via their hotline or email.

A spokesman for InvestHK said that upon identification of the incident, the department has taken immediate measures to further tighten its IT security systems to prevent further ransomware attacks. It has also followed established guidelines and procedures and reported the case to the **Police**, the **Digital Policy Office (DPO)**, the **Office of the Privacy Commissioner for Personal Data** and the **Security Bureau** respectively on the same day. InvestHK condemns such malicious attacks and has already updated relevant access rights, isolated the affected systems, and activated back-up procedures.

https://www.info.gov.hk/gia/general/202502/23/P2025022300511.htm

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Topic 2. Ethic Case in Japan

- OSAKA -- Toyota subsidiary Daihatsu Motor plans to stop shipping all cars produced in Japan and overseas as the scandal over its manipulation of safety tests spreads significantly beyond the six models identified so far, Nikkei has learned.
- Daihatsu President Soichiro Okudaira on Wednesday visited the transport ministry in Tokyo to report the findings of an independent panel. The company is expected to hold a news conference in the afternoon on the findings and its production plans moving forward.
- The automaker will pause production lines until it can address shortfalls in its safety processes.
- The wholly owned subsidiary of Toyota Motor is a top maker of kei minicars. It is rare for an automaker of its standing to pause any significant portion of output.
- Daihatsu also plays a key role in Toyota's Asian expansion.
- ***Daihatsu in April announced that it found flaws in its side-collision safety tests for four models aimed at overseas markets, and set up an independent panel to review the issue.***
- The company said in May that it also found problems with testing for its Rocky sport utility vehicle and the Toyota Raize, which Daihatsu makes for its parent. Production of the Rocky and the Raize already have been suspended.
- The independent probe, which lasted nearly eight months, is believed to have uncovered flawed emissions and other environmental data as well.
- Daihatsu produced over ***1.7 million vehicles worldwide*** in fiscal 2022. Around half were made in Japan, including in Osaka and Shiga prefectures. It holds a roughly 30% market share for kei cars, making it an industry leader along with rival Suzuki Motor.

AUTOMOBILES

Toyota unit Daihatsu to stop shipping all models over safety scandal

Panel's findings on manipulation of safety tests spread to more models

Daihatsu Motor is expected to pause certain production lines until the company can address shortfalls in its safety processes. (Photo by Arisa Moriyama)

https://asia.nikkei.com/Business/Automobiles/Toyota-unit-Daihatsu-to-stop-shipping-all-models-over-safety-scandal

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Topic 3. Whistleblower

A former Boeing employee known for raising concerns about the firm's production standards has been found dead in the US.

John Barnett worked for Boeing for more than 30 years before retiring in 2017.

In the days before his death, he had been giving evidence in a whistleblower lawsuit against the company.

Boeing said it was saddened to hear of Mr Barnett's passing. The Charleston County coroner confirmed his death to the BBC on Monday.

It said the 62-year-old had died from a "self-inflicted" wound on 9 March and police were investigating.

BBC

Home News Sport Business Innovation Culture Arts Travel Earth Video Live

Boeing whistleblower John Barnett found dead in US

12 March 2024

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Theo Leggett

Business correspondent, BBC News

John Barnett

John Barnett was a former quality control manager at Boeing

ISO 37002 – Whistleblowing Management System (WMS)

Mr Barnett had worked for the US plane giant for three decades, until his retirement in 2017 on health grounds.

From 2010, he was employed as a quality manager at the North Charleston plant.

In 2019, Mr Barnett told the BBC that under-pressure workers had been deliberately fitting sub-standard parts to aircraft on the production line. He also said he had uncovered serious problems with oxygen systems, which could mean one in four breathing masks would not work in an emergency.

He said soon after starting work in South Carolina he had become concerned that the push to get new aircraft built meant the assembly process was rushed and safety was compromised, something the company denied.

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Topic 4. AI Safety in Organization

Clients are already using ISO/IEC 42001

- At World Summit AI in Amsterdam, Netherlands, and during Cybersecurity Awareness Month in October SGS presented our first FDIS ISO/IEC 42001 (information technology – artificial intelligence management system or AIMS) certification.
- AI Clearing worked diligently throughout the audit process and the recognition means they can implement AI more safely and efficiently.

https://realtybiznews.com/ai-clearing-is-now-certified-by-sgs-according-to-fdis-iso-42001-standard/98780281/

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Topic 5. Increase Awareness of Personal Data (Privacy) (Amendment) Ordinance

https://www.youtube.com/watch?v=Dg01_cnWsJw

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Topic 6. AI-enabled Fraud and Deception

Hong Kong warns of AI-generated scams after city leader John Lee appears to back investment plan in fake video

- Fake video where Chief Executive John Lee appears to back investment plan condemned by government and referred to police for investigation
- Public warned not to be taken in and never to give personal information, sign up for mobile apps or click on links unless they are sure of the source

Listen to this article

Danny Mok + FOLLOW

Published: 10:52pm, 9 Jan, 2024

Why you can trust SCMP

A still from a fake video where Chief Executive John Lee appears to endorse an investment scheme. Photo: Handout

https://www.scmp.com/news/hong-kong/law-and-crime/article/3247852/hong-kong-government-warns-ai-generated-scams-after-city-leader-john-lee-appears-back-investment

It's Getting Harder to Spot a Deep Fake Video

https://www.youtube.com/watch?v=gLoI9hAX9dw

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Topic 7. AI legislation in the world

Global AI Regulations Landscape

https://legalnodes.com/article/global-ai-regulations-tracker

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Topic 8. Strategic Protection Company's IP

TECH

The clever way Apple was able to trademark the iPad name while keeping the product a secret

James Cook Mar 17, 2015, 10:16 PM GMT+8 Share | Save

One of the key legal steps technology companies take before releasing a new product is securing the trademark for its name. That can be tricky for a company like Apple, famous for developing products under complete secrecy.

Gizmodo published a timeline of how Apple managed to gain control of the iPad trademark in China. Once it had set up the IP Application Development company, it used another British company to get in touch with Proview, a manufacturer of computer screens in Taiwan that held the Chinese rights to use "IPAD."

Apple, using the British company Farncombe International, negotiated the sale of the "IPAD" trademark in China, telling Proview that the company would not compete with Proview. Sure enough, Proview sold the rights to the trademark for $54,800.

Proview eventually realised it had handed over an incredibly valuable trademark to Apple, and it went on to sue the company. Apple settled that suit in 2012 for $60 million.

This means that when Apple was making the iPad — its first foray into tablet computers — it could not just go ahead and register the "iPad" trademark publicly under its own name.

Instead, the tech giant used a clever "loophole," discussed by Apple Insider in an article that examines the various ways Apple keeps its coming products secret.

Getty Images News

Apple used a British company named "IP Application Development LLC" to register the trademark. Can you figure out how it chose that name? Take a look at the name of the company — its acronym is "I.P.A.D."

It was vital for Apple to secure the "iPad" trademark, because there was already a handheld device called the iPad on sale — a mobile retail helper called the Fujitsu iPAD.

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Topic 9. Sustainability Report

MTR

TOP TEN MATERIAL ISSUES RELEVANT TO MTR'S ENVIRONMENTAL AND SOCIAL OBJECTIVES AND SDGS

The table below presented our top ten material issues covered in different sections of the Report and their respective SDGs. For other highly material issues that are not included in the table below, please refer to our Annual Report and MTR Sustainability Website for more information.

Top Ten Material Issues	Sections of the Report Covering our Top Ten Material Issues and Relevant SDGs			
	Promoting Social Inclusion	Fostering Advancement and Opportunities	Reducing Greenhouse Gas Emissions	Climate-related and Nature-related Disclosures
Governance				
1 Organisational governance structure and process				
5 Fair competition				
Customers				
8 Customer health and safety				
9 Sustainable products and services				
10 Customer service, support and complaint handling				
12 Access to essential services				

https://www.mtr.com.hk/sustainability/assets/pdf/en/2023/Sustainability_Report.pdf

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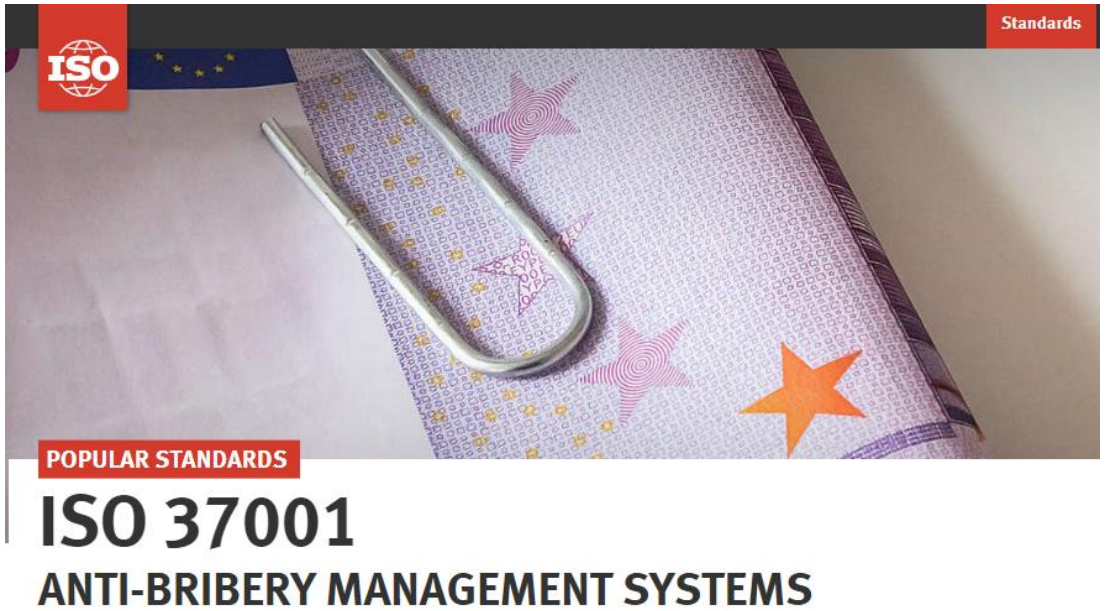
Topic 10. ICAC Talk
ISO 37001 – Anti-bribery Management System (ABMS)

- The standard provides **guidance** to help an organization **implement an anti-bribery management systems**
- It can also help an organization to **prevent, detect, and address bribery**.



Source:
https://www.iso.org/iso-37001-anti-bribery-management.html

Elevating Standards in Corporate Governance
FHKI Attains ISO 37001 Anti-Bribery Management System Certification

https://www.industryhk.org/en/info/press-releases/iso-37001/

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