Project 2: The IT World

DUE: Sun 22 Sep by 23:59

10/9/19-17/9/19:
- Each person should complete their part of the team profile.
- Interview professional ASAP. (Matthew is organising this currently)
- Each person should start and maybe finish their IT Technologies mini-report.
- Finalise project description.

Team Profile

The Koalas
Matthew:

Team:
Ideal job comparison:

Tools

Github: https://github.com/the-koalas/Intro-to-Info-Tech-Project-2
Website:
(TODO near end of assignment) Audit Trail:

Industry Data

1. What are the Job Titles for your group's ideal jobs? How do each of these rank in terms of demand from employers?
2. From your group's ideal jobs, you can identify a set of skills required for these jobs(we will refer to this as your group's required skill set). These can be divided into general skills (communication, problem solving, writing etc) and IT-specific skills(Javascript, SQL, etc).
   a. How do the IT-specific skills in your required skill set rank in terms of demand from employers?
   b. How do the general skills in your required skill set rank in terms of demand from employers?
   c. What are the three highest ranked IT-specific skills which are not in your required skill set?
   d. What are the three highest ranked general skills which are not in your required skill set?
3. Having looked at the Burning Glass data, has your opinion of your ideal job changed?Why or why not?

IT Work

1. Interview an IT professional

2. View, summarise and discuss **at least 10 YouTube videos** or other web sources (you may be surprised how many hits there are for a Google search on A day in the life of an IT professional)
3. Whichever source of information you use, you should answer the following questions.
    a. What kind of work is done by the IT professional?
    b. What kinds of people does the IT professional interact with? Are they other IT professionals? Clients? Investors? The general public?
    c. Where does the IT professional spend most of their time?
    d. What aspect of their position is the most challenging?

IT Technologies

Pick One:
● Clouds, services, servers
● Cybersecurity (Hung)
● Blockchain and cryptocurrencies
● Machine Learning (Matthew)
● Autonomous vehicles
● Natural Language processing and chatterbots
● Robots (Aiden)
● Raspberry Pis, Arduinos, Makey Makeys and other small computing devices

What does it do? (600 words) What is the state of the art of this new technology? What can be done now? What is likely to be able to do be done soon (say in the next 3 years)? What technological or other developments make this possible?

What is the likely impact? (300 words) What is the potential impact of this development?What is likely to change? Which people will be most affected and how? Will this create,replace or make redundant any current jobs or technologies?

How will this affect you? (300 words) In your daily life, how will this affect you? What will be different for you? How might this affect members of your family or your friends?

Project ideas

No less than 500 word description of project.
Tentatively the cooking/recipe app.
- Features, usability
- Target user
- Technique required (Security, database, programming languages, UI)
- Website/Phone app

Group Reflection

(TODO: near end of project)

Each up to 200 words group around 400 words.

This should include the following attributes.

● What went well

● What could be improved

● At least one thing that was surprising

● At least one thing that you have learned about groups

● Remember to include in your section on Tools how well you think your Github log of activity reflects your group's work on this assignment.