# IFB103 Assessment Task 1: Template

**We have provided this template (including this page, Part A and Part B) for you. Include all parts of this assessment in one file (this file), convert it to PDF and then submit it via Canvas before the deadline.**

**The first page (this page: cover page) of your assessment file should include this information:**

Unit name and code: IT Systems design (IFB103) Assessment #: 1

Assessment name: IT Career Insights

Full name:  Phuc Lam Vo

Tutor's name (tutor's full name): Geoff Polzin

Tutorial day and time:  Tuesday 11 am – 1 pm

**Starting from Page 2 of your assessment file:**

**PART A: JOB ROLE EXPLORATION** (complete the two tables below)

**Guidelines:** Font: Calibri or a similar font. Font size: 10 or 11. <u>Each table should be 1 page maximum</u>. Rating: **NY**-Not yet; **B**-Beginner; **C**-Capable; or **E**-Expert

| SUB-CATERGORY 1: Programme and Project Management | | | | |
|---|---|---|---|---|
| | **Most common skills listed** | **The exact sentence or sentences that describe the skill (use quotation marks)** | **Reference (copy and paste the link to webpage that includes the sentence or sentences)** | **Rating NY/B/C/E** |
| **Technical Skills** (Identify a minimum of 3 technical skills) | Project Management Methodologies | "Ensure Agile, Scrum, and/or Waterfall methodologies" | https://www.seek.com.au/job/82608328?ref=saved | NY |
| | Cloud Infrastructure and Deployment Management | "Understanding of complexity of delivery in cloud and multi cloud environments for example Azure, OCI, AWS etc." | https://www.seek.com.au/job/82690556?ref=saved | NY |
| | Quality Management | "Manage and improve quality management functions including product reviews, quality reviews and lessons learnt." | https://www.seek.com.au/job/82713887?ref=saved | NY |
| | Data Management and Data Analysis | "Expertise in data architecture, analytics, and cloud-based solutions (Azure, Databricks, MS Fabric, Power BI)." | https://www.seek.com.au/job/82690556?ref=saved | B |
| | Software Development | "Strong expertise in software implementation, integration, and lifecycle management." | https://www.seek.com.au/job/82673130?ref=saved | B |
| **Transferable Skills** (Identify a minimum of 3 transferable skills) | Leadership | "Demonstrated capability in leading & managing team and a practical understanding of contemporary people management practices" | https://www.seek.com.au/job/82700374?ref=saved | C |
| | Collaboration | "Mentor and support project teams, fostering a culture of collaboration and excellence." | https://www.seek.com.au/job/82701162?ref=saved | B |
| | Improvising | "Plan future program activity, including consultations with project sponsors concerning ICT infrastructure or software deployments to ensure a comprehensive approach and solution provision that aligns with customer needs and is sustainable for the lifecycle of the program." | https://www.seek.com.au/job/82670055?ref=saved | NY |
| | Flexibility | "Proficiency in risk, issue, and change management" | https://www.seek.com.au/job/82702445?ref=saved | B |

| | Scheduling | "Program schedules, timelines, and milestones to maintain alignment with strategic priorities." | https://www.seek.com.au/job/82670055?ref=saved | B |
|---|---|---|---|---|

| SUB-CATERGORY 2: System Architect | | | | |
|---|---|---|---|---|
| | **Most common skills listed** | **The exact sentence or sentences that describe the skill (use quotation marks)** | **Reference (copy and paste the link to webpage that includes the sentence or sentences)** | **Rating NY/B/C/E** |
| **Technical Skills** (Identify a minimum of 3 technical skills) | Cloud Principles and Practices | "Design solutions that integrate with **cloud platforms (AWS, Azure, or GCP)** and leverage AI/ML services such as AWS SageMaker, Azure Machine Learning, or Google Vertex AI." | https://www.seek.com.au/job/82734259?type=standard&ref=search-standalone - sol=92da94e819379423c7e8e460126abf77a0be00d0 | B |
| | System Implementation | "Design end-to-end solutions that span from source systems to end-user reporting and analytics interfaces." | https://www.seek.com.au/job/82702934?type=standard&ref=search-standalone - sol=32192601de9273f8677c1d47eada03bb61be49e2 | NY |
| | DevOps and Software Development | "Experience working in Agile and DevOps environments, with knowledge of CI-CD tools" | https://www.seek.com.au/job/82731325?ref=saved | B |
| | Database Management | "Working knowledge of relational database systems, NoSQL, Object Oriented Programming and web application development to help guide decisioning of technology and designs." | https://www.seek.com.au/job/82731372?ref=saved | B |
| | System analysis | "Identifying potential risks and issues associated with the systems and develop strategies to mitigate them." | https://www.seek.com.au/job/82608345?ref=saved | B |
| **Transferable Skills** (Identify a minimum of 3 transferable skills) | Problem-solving | "Strong problem-solving skills, with the ability to reverse engineer existing solutions and develop innovative architectural strategies." | https://www.seek.com.au/job/82480841?ref=saved | B |
| | Improvising | "Identify opportunities for change and reform in the way the client manages its information assets" | https://www.seek.com.au/job/82586435?ref=saved | B |
| | Coaching | "Leadership capability to mentor, coach and develop members of the architecture team." | https://www.seek.com.au/job/82712847?ref=saved | C |
| | Stakeholder Management | "Act as a trusted advisor, influencing stakeholders, executives and vendors to drive impactful change." | https://www.seek.com.au/job/82734157?ref=saved | NY |
| | Communication | "Demonstrated superior written and verbal communication and facilitation skills and the ability to communicate appropriately at all levels of the organization." | https://www.seek.com.au/job/82731559?type=standard&ref=search-standalone - sol=7430209681ba8377f7b2cd834c703220edb00086 | B |

## PART B: Personal Reflection and Action Plan (complete the two tables below)

| TECHNICAL SKILLS | Action plan for how I aim to achieve/develop these skills |
|---|---|
| **Technical Skills I have identified (among the ones mentioned above) I would like to achieve/develop throughout my degree** (list a minimum of 3 technical skills) | **Action plan of how I aim to achieve/develop these skills**. Include 1-3 action plan for each skill. Each action plan should be between one to ten words. |
| Machine Learning | Studying CAB420, learning and getting certificates on Coursera, joining in research team with professors or internship on second year. |
| Generative AI | Learning on Udemy and Coursera, reading paper and research related to Generative AI and applying it on building projects. |
| Statistical Learning | Studying MXB107, learning courses on MIT OpenCourseWare and seeking help from Student Success and tutors. |
| Algorithms and Complexity Analysis | Enrolling in CAB301, building projects and solving LeetCode problems. |
| Cybersecurity | Enrolling in IFB240, learning courses on HackTheBox and joining in CTF competitions. |

| TRANSFERABLE SKILLS | Action plan for how I aim to achieve/develop these skills |
|---|---|
| **Transferable Skills I have identified (among the ones mentioned above) I would like to achieve/develop throughout my degree** (list a minimum of 3 transferable skills) | **Action plan of how I aim to achieve/develop these skills**. Include 1-3 action plan for each skill. Each action plan can be between one to ten words. |
| Meeting deadlines | Finish all assignments on time, plan a schedule for studying and doing assignments. |
| Presenting | Practice presenting at home and present research and ideas in class |
| Self-directed | List all the goals, build my own roadmap and build my resume and portfolio. |
| Creative experimentation | Build my own projects and try different approaches to a problem |
| Cooperation | Working in group with people in different units at QUT, joining in clubs and joining in a team-work project. |