# Chapter 1 and 2 exercises

**1.1**: It is said that government spending on IT is increasing as government departments take initiatives to improve customer service or have a wider reach of services. Find out what factors are responsible for the increase in IT spending by government agencies. Also, list and explain the three biggest IT projects undertaken by the federal government in recent times?

**Answer**: Factors contributing to the escalation of IT expenditures by government agencies include:

- The imperative to safeguard against cyber and ransomware threats

- The necessity to secure the public's confidential data and identities

- The drive to modernize outdated legacy applications and infrastructure, enhancing resilience and agility

- The urgency to facilitate faster dissemination of health, financial, and climate reports nationwide

- The demand for seamless processes in filing taxes, complaints, and requests, accessible across the entire country

Regarding significant IT initiatives carried out by the federal government in recent times, notable projects include:

1. The Government of Canada Information Technology Strategic Plan (ITSP), outlining a four-year strategic roadmap for enhancing IT services to deliver improved programs and services, ultimately benefiting Canadians.

2. The Government of Canada Strategic Plan for Information Management and Information Technology (IM/IT SP), an updated plan serving as an interim step toward a broader digital policy and strategy currently in development for the 2018 to 2019 fiscal year.

3. The Government of Canada's investment in Canadian clean technology innovations, supporting 14 projects across the country aimed at reducing greenhouse gas emissions, generating employment opportunities, and contributing to a cleaner and more sustainable future.


**2.2**: Go to some open-source projects and find out about their project charters. Find out why they have those project charters.

**Answer**: Example - Eclipse's Business Intelligence & Reporting tool (BIRT)

A project charter is a document that outlines a project's scope, objectives, and stakeholders. It is typically created at the beginning of a project and serves as a roadmap for the project team to follow. Project charters are important for open-source projects because they provide a clear vision and direction, establish expectations and boundaries, align interests and goals, define decision-making and communication, and set success and impact criteria. BIRT, an open-source project for business intelligence and reporting, has a project charter that defines its scope, objectives, and governance. The project charter helps BIRT create a common understanding and a shared purpose among its project team, stakeholders, and community, which includes multiple organizations such as IBM, Actuate, Innovent Solutions, and others. The project charter also helps BIRT avoid confusion, conflict, and misunderstanding in the course of the project.

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