

SPM – 100 Project Management Essentials



Strategic Project Mgmt T050
School of Engineering Technologies

Today's Agenda..

- Introduction
- Learning Outcomes
- Integrity
- Rules of the Class
- Distinguishing Projects and Ongoing Business Operations



All About You...

- Why are you here?
- What matters to you?
- What are the learning outcomes?
- Why do these learning outcomes matter?



Future Opportunity...

The global economy needs **25 million new project professionals by 2030**. To close the talent gap, 2.3 million people will need to enter PMOE every year just to keep up with demand—this includes project managers and all changemakers.

By 2030, just 77 million project management employees out of the current workforce will be left due to retirement.



Annual Report 2020-2021 (2022-02-02) FINAL_0 – PMI.ORG

My Contact Information...

Prof. Thomas Jaeger CD MBA MCPM (Mr. Jaeger)

Email: tjaeger@stclaircollege.ca

- Who am I and what is my role?
- Why do I care about this course/subject matter?
- How are am I qualified in this subject?
- My LinkedIn Profile is on Bb in the syllabus.
- <https://www.linkedin.com/in/tom-jaeger/>



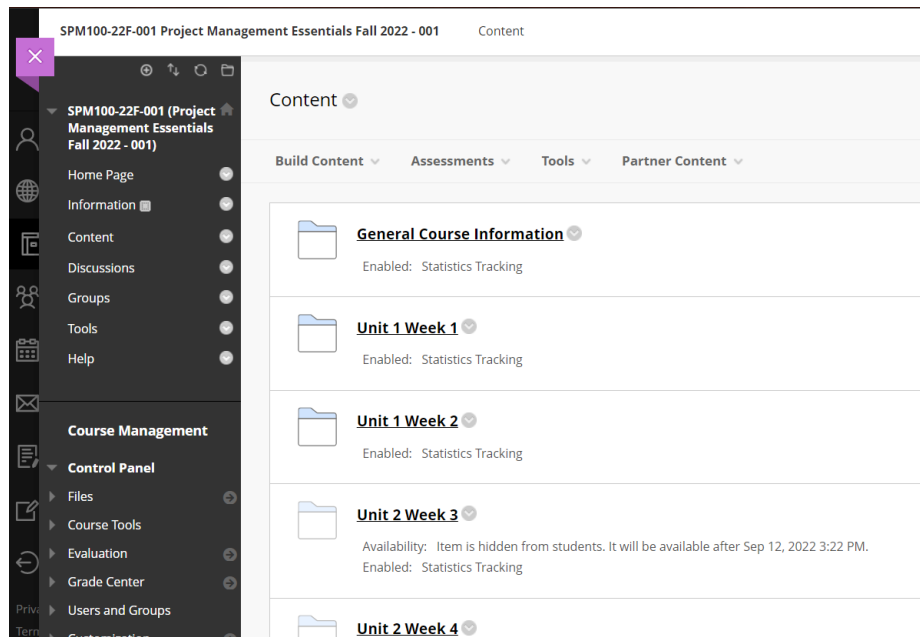
Learning Outcomes...

- What do you need for this course?
- What are the required materials (textbook/resources)?
- What are the required tools (computer, access to Internet)?



Where can I find Information...

- All materials posted to Blackboard
- Slide sets posted following class



Questions ? ...

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Break

- 15 Min
- Be Back on time !!!



Rules of the Class



Rules of the Class (real world)

What are the expectations for class time?

- Punctuality and attendance – Be here 5min before start time.
- Asking questions during class? Raise your hand. Be respectful of others.
- Will there be breaks during class? Yes!
- Can I use electronic devices during class? On my request, otherwise put away, full stop!



Rules of the Class (real world)

How should you engage with other students in the course?

- Are there group assignments? How will groups be formed? (arbitrary or peer groups?)
- Can they collaborate with others? What about study groups? (yes, except for designated individual assignments)



Rules of the Class (real world)

What are the strategies for success in this course?

- How much time will you need for this course outside of class?
- How should you manage their time?
- How should you stay organized?
- How can you get help if they need it? (reach out)



Rules of the Class (real world)

- Have Fun !!!



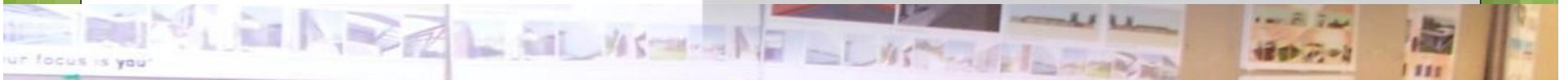
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Integrity

- Why is this important?
- Real World Implications?
- Academic Misconduct
- Intentional Plagiarism
- Unintentional Plagiarism
- Faculty Guidelines



Writing, Citing and References



Writing and References

- If you are referring to an idea from another work but NOT directly quoting the material, or making reference to an entire book, article or other work, you only have to make reference to the author and year of publication and not the page number in your in-text reference. (Purdue OWL)

(n.d.). In-Text Citations: The Basics - Purdue OWL. Retrieved September 6, 2023, from https://owl.purdue.edu/owl/research_and_citation/apa6_style/apa_formatting_and_style_guide/in_text_citations_the_basics.html

Writing and References

- There are many great examples of how to go about citing books, papers, or information from web pages , including several tools from the St. Clair College website. (College Writing) (Academic Influence, 2022)

(n.d.). College Writing. Retrieved September 6, 2023, from <https://www.stclaircollege.ca/courses/eng107-college-writing>

(2022, June 20). College Students: A Writing Resource Guide | Academic Influence. Retrieved September 6, 2023, from <https://academicinfluence.com/resources/degrees/college-writing-resource-guide>

Writing and References

- Written reports for this course will need to follow the "Citation Management & Writing Style Guides", specifically **APA formatting**. (St Clair College) (Purdue OWL)

(n.d.). Citation Management & Writing Style Guides | St. Clair College. Retrieved September 6, 2023, from <https://www.stclaircollege.ca/library/citation>

(n.d.). APA Formatting and Style Guide (7th Edition) - Purdue OWL. Retrieved September 6, 2023, from https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/index.html

Sites not to Cite

- Wikipedia
- Any other pre-prepared or auto prepared material (Fern University), SWOT.com etc.
- ChatGPT query results.
- These tools can be used to point you in the right direction or to look for new ideas, however,
- **All ideas must be correctly cited with the supporting source material.**



Source Material or Data

- If you have difficulties looking for the data or material to support your narrative, ask.
- We can work through where to find proper source or data.
- Marks will be deducted for improper source citing.
- Blatant violations will result in a “0”



Leadership...

Principles of Project Management			
Be a diligent, respectful, and caring steward	Create a collaborative team environment	Effectively engage with stakeholders	Focus on value
Recognize, evaluate, and respond to system interactions	Demonstrate leadership behaviors	Tailor based on context	Build quality into processes and deliverables
Navigate complexity	Optimize risk responses	Embrace adaptability and resiliency	Enable change to achieve the envisioned future state

Guide Behavior



Figure 1-1. Relationship between Project Management Principles and Project Performance Domains

Leadership...

Section 2 PMBOK 7th Edition

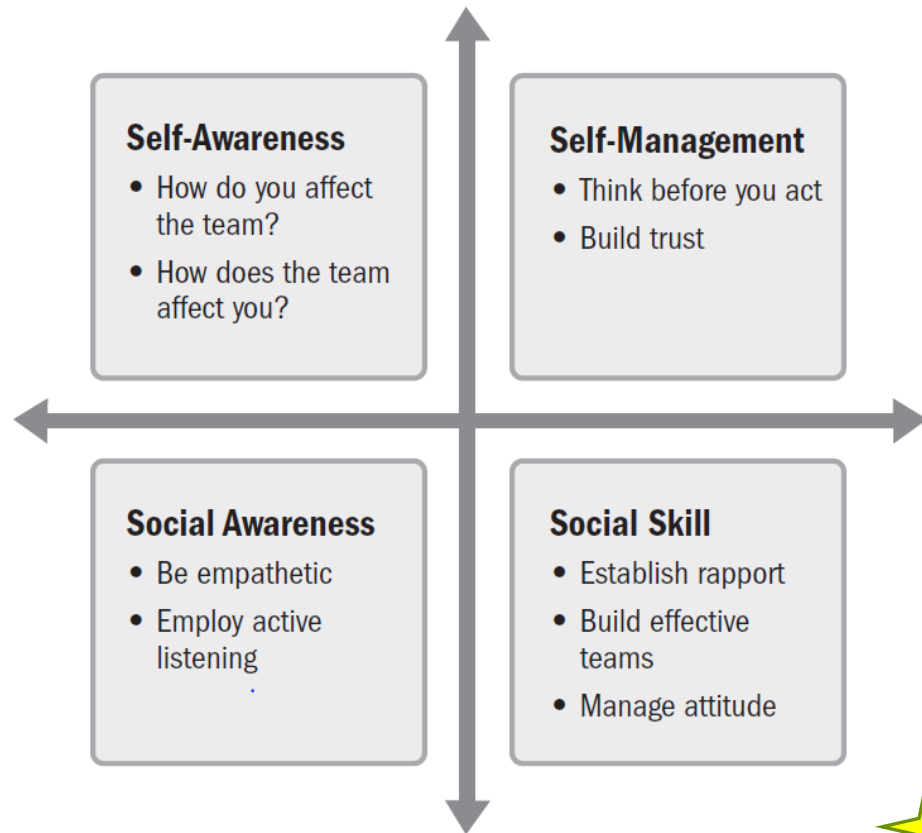


Figure 2-5. Components of Emotional Intelligence

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Learning Outcomes..

- Unit 1
- Unit 2
- Unit 3
- Unit 4
- Final Exam



Unit 1

- Distinguish between what constitutes a project and ongoing business operations.
- Discuss the characteristics of projects and ongoing business operations.
- Describe the relationship between Portfolio Management, Program Management and Project Management
- Compare and contrast the different types of organizational structures and their impact and influence on Project Management



Unit 2

- Explain the roles of various project management stakeholders, including the Project Manager, Project Stakeholder, Project Sponsor and Project Team Members
- Define various knowledge areas of project management, including project scope, critical path, integration, schedule, cost, quality, resource, risk, communications, procurement, and stakeholder management.
- Identify the five project management process groups.
- Describe the interactions between and purpose behind the five project management process groups.
- Outline the constraints of project management and how they relate to or impact each other.



Unit 3

- Define the Project Life Cycle using appropriate project management terms.
- Explain how a project moves through the various phases of a project life cycle.
- Differentiate the different types of life cycles in order to determine when it is appropriate to apply them.
- Describe how changes that happen throughout the project life cycle impact project costing, scheduling, resource management, and risk.



Unit 4

- Explain various approaches to stakeholder management in the context of project management.
- Identify expectations of project managers when engaging in stakeholder management.
- Describe the four elements of the stakeholder process.
- Describe the tools and techniques that are used in the identification, planning, management, and control of stakeholders when managing a project.



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Today's Class

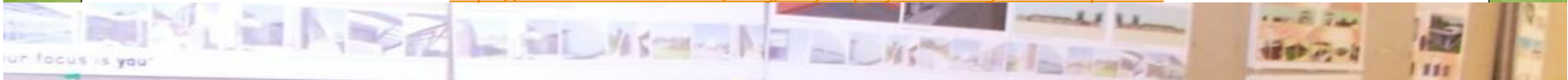
- Distinguishing Projects and Ongoing Business Operations



Objectives...

- Define project Management
- Identify Key Elements the Project Management Framework
- Define what is a Project
- Distinguish a project from ongoing business operations
- Understand the importance of Project Management to an organization





Our focus is you.

Discussion ...

- Project Management
- Project Management Framework



Project Management Defined

- The application of skills, tools and techniques to project activities to meet project requirements.
- Project management refers to guiding the project to deliver the intended outcomes.
- Project teams can achieve the outcomes using a broad range of approaches (e.g. predictive, hybrid, and adaptive)

Ref. PMBOK 7th Edition, pg 4



What is a Project

- A **temporary** endeavor undertaken to create a unique product, service or result.
- The temporary nature of projects indicates a **beginning and an end** to the project work or phase of the project work.
- Projects can stand alone, or be part of a program or portfolio.



What is a Program

- **Related projects**, subsidiary programs, and program activities that are **managed in a coordinated manner** to obtain benefits not available from managing them individually.



Table X4-2. Unique Characteristics of Projects, Programs, and Products

Characteristic	Project	Program	Product
Duration	Short term, temporary	Longer term	Long term
Scope	Projects have defined objectives. Scope is progressively elaborated throughout the life cycle.	Programs produce aggregate benefits delivered through multiple components.	Products are customer focused and benefits driven.
Change	Project teams expect changes and implement processes to address the changes, as needed.	Program teams explore changes and adapt to optimize the delivery of benefits.	Product teams explore changes to optimize the delivery of benefits.
Success	Success is measured by product and project quality, time lines, budget, customer satisfaction, and achievement of intended outcomes.	Success is measured by the realization of intended benefits and the efficiency and effectiveness of delivering those benefits.	Success is measured by the ability to deliver intended benefits and ongoing viability for continued funding.
Funding	Funding is largely determined up front based on ROI projections and initial estimates. Funding is updated based on actual performance and change requests.	Funding is up front and ongoing. Funding is updated with results showing how benefits are being delivered.	Product teams engage in continuous development via funding, development blocks, and reviews of value delivery.

Ref. PMBOK 7th Edition, pg 224



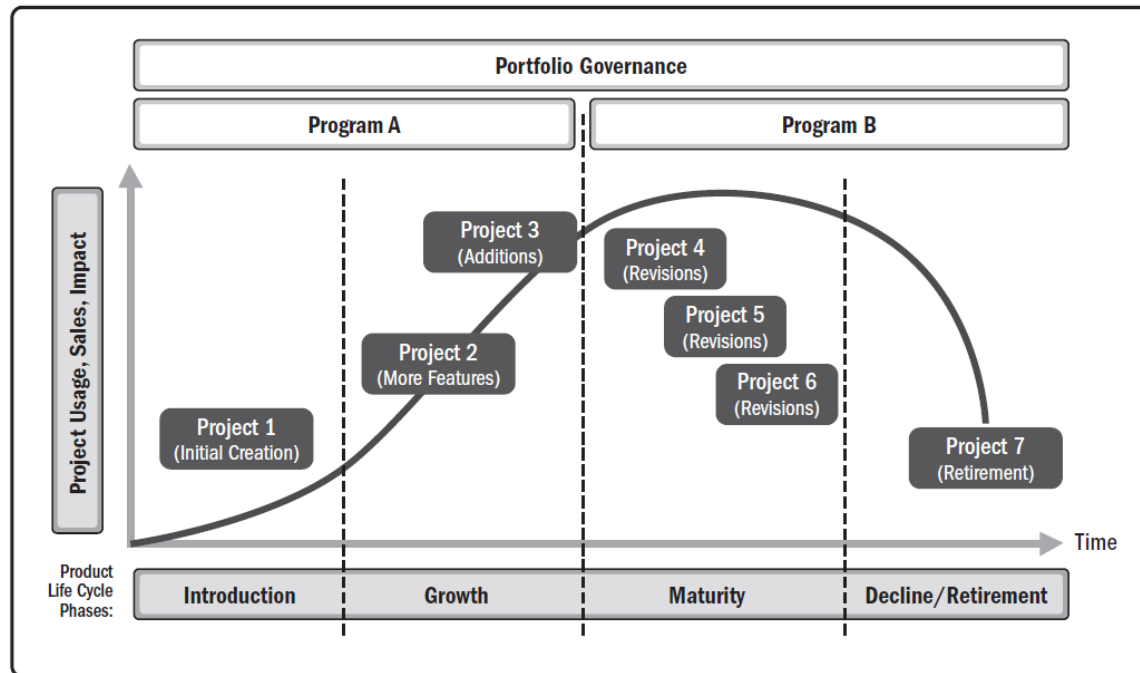
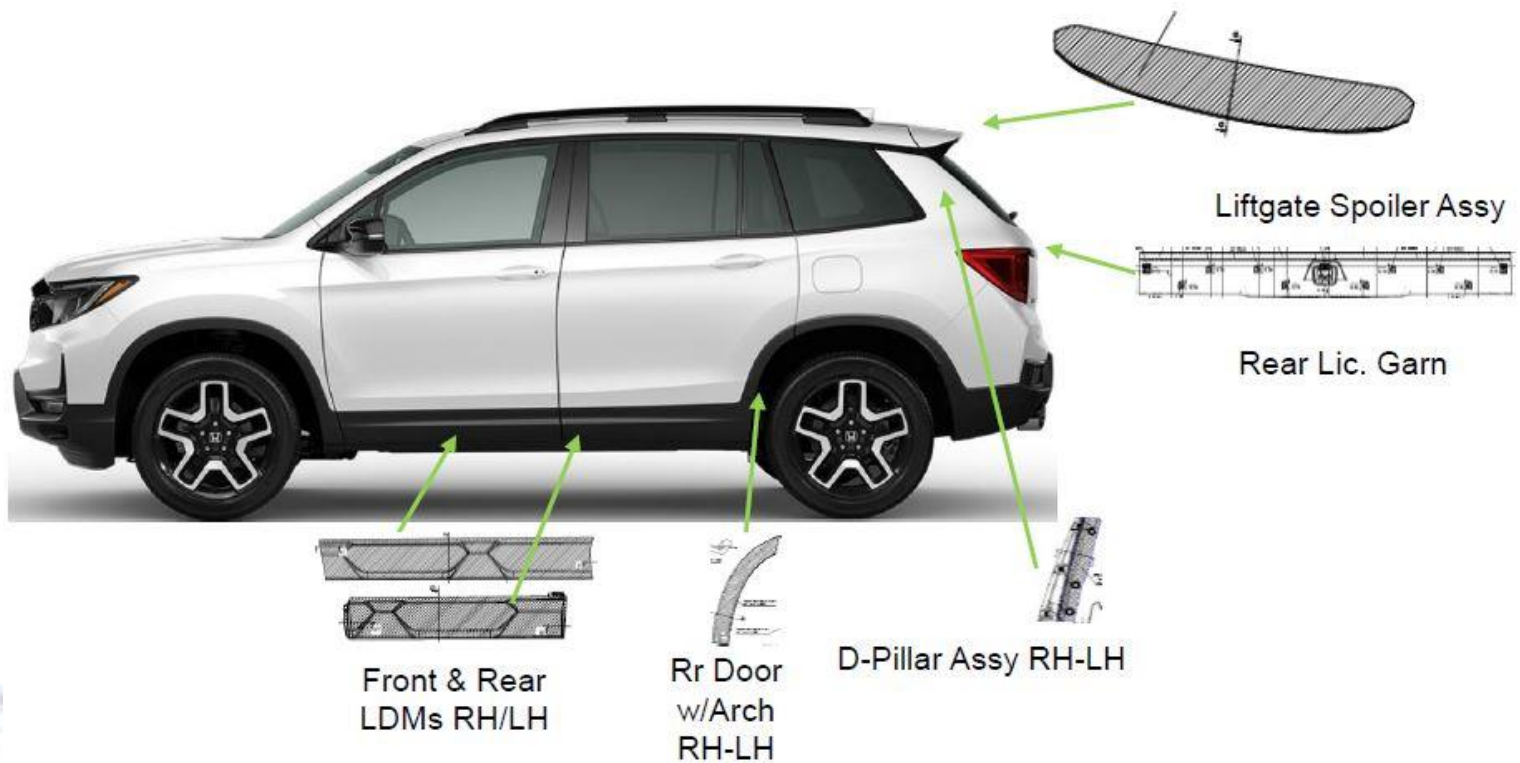


Figure 2-4. Sample Product Life Cycle

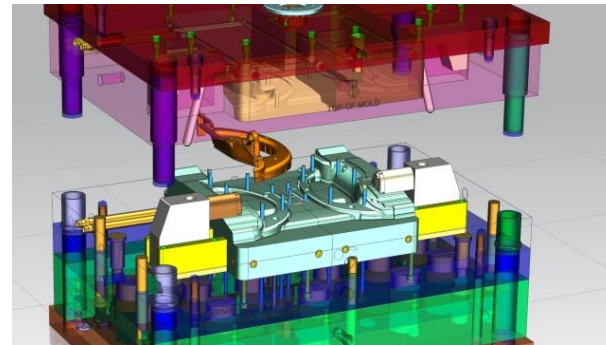


Mold Industry - Example



Example

- Design, part and mold
- Mold build



Example

- Install the mold in a press in a production plant
- Mold Parts



Example

- Painting



- Finished Part



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Project Management Framework...

Project Performance Domains

- Stakeholders
- Team
- Development Approach and Life Cycle
- Planning
- Project Work
- Delivery
- Measurement
- Uncertainly

PMBOK® 7th Edition, Section 2



PMBOK 6th to 7th Edition

Ref. PMBOK 7th Edition, pg 224

PMBOK® Guide – Sixth Edition

A Guide to the Project Management Body of Knowledge:

- Introduction, Project Environment, and Role of the Project Manager
- Knowledge Areas
 - Integration
 - Scope
 - Schedule
 - Cost
 - Quality
 - Resources
 - Communications
 - Risk
 - Procurement
 - Stakeholders

The Standard for Project Management:

- Initiating
- Planning
- Executing
- Monitoring and Controlling
- Closing

Appendixes, Glossary, and Index

PMBOK® Guide – Seventh Edition

The Standard for Project Management:

- Introduction
- System for Value Delivery
- Project Management Principles
 - Stewardship
 - Team
 - Stakeholders
 - Value
 - Systems Thinking
 - Leadership
 - Tailoring
 - Quality
 - Complexity
 - Risk
 - Adaptability and Resiliency
 - Change

A Guide to the Project Management Body of Knowledge:

- Project Performance Domains:
 - Stakeholders
 - Team
 - Development Approach and Life Cycle
 - Planning
 - Project Work
 - Delivery
 - Measurement
 - Uncertainty
- Tailoring
- Models, Methods, and Artifacts

Appendixes, Glossary, and Index

PMIstandards+™ Digital Content Platform

- The platform links to the PMBOK® Guide via the Models, Methods, and Artifacts section while further expanding on that content.
- Platform incorporates content from all PMI standards as well as content developed specifically for the platform.
- Content reflects “how to...” in actual practice, including emerging practices.

Project or Ongoing Business Operations

- Building a bridge;
- Building a car factory;
- Apartment building;
- Car assembly line;
- Other examples....



Why is project management important to organizations?

- A number of dramatic shifts are causing organizations to pause and re-evaluate their relevance and their ability to meet current and future market demands.
- These shifts are creating opportunities for project managers to elevate their value as strategic partners in business success.
- These project leaders—who possess a combination of technical, leadership, and strategic and business management expertise—are helping to drive optimum project performance when faced with the new trends and issues.

Ref. Pulse of the profession 2017, PMI Report 2017



New Trends

DIGITAL ADVANCEMENTS:

- Consider that global robotics spending is expected to grow from US\$15 billion in 2010 to US\$67 billion in 2025.
- Also by 2025, the share of tasks performed by robots will rise from a global average of around 10 percent to about 25 percent across all manufacturing industries.
- Wider robotics adoption will boost manufacturing productivity by up to 30 percent, resulting in the average manufacturing labor costs projected to be 33 percent lower in South Korea and 18 percent to 25 percent lower in China, Germany, the United States, and Japan than they otherwise would have been.

Ref. Pulse of the profession 2017, PMI Report 2017



New Trends

CHANGING WORKFORCES:

- Baby boomers are retiring at record levels and the young generation is moving into leadership positions more quickly than ever.
- New generations in the workforce have very different demands. The mean age of the workforce has been getting younger. Millennials will be the largest percentage of the workforce.
- The evolving profile of the project management base will be the driving force behind the future of the profession.

Ref. Pulse of the profession 2017, PMI Report 2017



New Trends

HIGH CUSTOMER EXPECTATIONS:

- Customers are in the driver's seat and project managers are there to help navigate.
- Ten to fifteen years ago, companies created products and convinced customers they needed them.
- Thanks to social media, customers now provide instant feedback to each other and to companies on what they do and do not like and want in a product or service.

Ref. Pulse of the profession 2017, PMI Report 2017



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1st Assignment – Due by 5pm EST - 21 Sept

- Pick a Canadian industry, municipality, province, etc;
- Research a project or program;
- Explain the following:
 - Why this is a project or program?
 - What is the expected out come (product, revenue growth etc.)
 - Explain why this is important to that organization.
- Min. 300 words, use proper references, do not C&P.
- You may use images if required, they also must be properly attributed.





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