**ENSE 405 Project report-out & lessons learned**

**Disclaimer**: This template should be used to guide your discussion. The course facilitator asks that you be as open, honest, and professional in your responses as possible. Please know it is OK to agree/disagree with any concept, process, or idea discussed in this course. The knowledge gained from your open, honest, educated, and professional responses may be discussed at a future Engineering Faculty and/or “Canadian Engineering Education Association (CEEA)” event.

**Project name**

Provide your team’s “name” and team member(s)

**Project sponsor & course facilitator**

Dr. Tim Maciag (ENSE 405 professor)

**Business need/opportunity**

* Can be re-stated/copied from your business plan document

**Reflections on project planning (3-5 pages)**

* State and discuss the United Nation’s (UN) Sustainable Development Goals (SDGs) selected and your “why” for selecting the one(s) you did
* Discuss key findings from your community research and understanding/requirements gathering (Community characteristics and technology configuration inventory)
  + Discuss your professional opinion of the processes and documentation used in this course for project planning. Did they help/hinder and how?
* State selected north star & carryover customers. Why are these customers important to your project’s golden circle (why, how, what)?
* Summarize assumptions made and constraints uncovered, re: drafting an emerging picture
* Discuss initial & the evolution of your technology stack selection, drafted prototypes, and initial Minimum Viable Products (MVPs)
* Provide images/screenshots where appropriate/needed

**Reflections on project results (4-5 pages)**

* Discuss what you created. Provide key images/screenshots illustrating core functionality
  + Review your initial “Planning and initialization” video created for the first deliverable. How close did you come to realizing the solution/product you initially envisioned?
  + Summarize software design activities and findings. Ensure you discuss how you/your team either linked or envision links to design ideas back to topics discussed in class lectures
* Summarize how you felt about this project (likes/dislikes), from your experiences with the technology stack selected, translating prototypes into real solutions, and the creation/realization of your MVPs
  + Summarize what went well during the project
  + Summarize what not went well during the project
  + What would you do the same on future projects?
  + What would you do differently on future projects?
* Discuss opportunities and design ideas for future work

**General reflections on the class & project experience (3-5 pages)**

* Before taking ENSE 405, were you aware of the UN SDGs?
  + Yes/No – Please elaborate
* Typically, before taking this class, when you engineered software solutions, were you concerned with areas encompassing the UN SDGs?
  + Yes/No
    - If yes, provide some past examples and explain
    - If no, do you have examples of past engineered works that you (co)created that could address one or more of the UN SDGs
* Did learning about the UN SDG(s) help you understand better your role and responsibility as an engineer to society?
  + Yes/Neutral/No – Please elaborate
* What was your experience(s) in engineering your specific software solution to address the UN SDG(s) selected?
* As a future engineer, what are your thoughts on the UN SDGs as a whole? Do you think they can help or hinder our work as software engineers?
* Should we use the UN SDGs to guide our work or is our work dependent on customer requests, regardless of the UN SDGs?
* Will you use your understanding of the UN SDGs in engineering solutions in the future?
  + Yes/No/Maybe – Please elaborate
* Will your experience learning about the UN SDGs inform your career path decisions in the future?
  + Yes/No/Maybe – Please elaborate
* Provide any other comments on the project