Assignment #4: **Solution Generation**

Introduction to Product Development and Management for Engineers

GNG 2101

Faculty of Engineering

University of Ottawa

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Objective:

Individually generate solutions to the problem outlined by your team based on feedback from your end-user(s). This will be compared to other solutions generated by your team members to create a wide array of solution options to choose from.

Instructions:

On your own, generate numerous concepts or ideas to address the accessibility problem your team has outlined. Create as many solutions as possible, focusing on the concept of the solution, rather than the feasibility of implementation or effectiveness of the solution. Visually represent (sketch, diagram, CAD model, etc.) each solution, and provide a few lines explaining the core functionality, benefits, and drawbacks of each. Comment on the strategies you used to improve your creativity and to maximise the number of ideas/concepts you generated during this exercise (see lecture on Concept Generation).

After this exercise, meet with your project team and review and synthesize all solutions provided by team members. This will provide a wide variety of solution ideas for your group to select from.

Submission:

Submit this assignment as a document in pdf format by uploading the attachment into Blackboard.

Due Date:

See Blackboard.