

Assignment 1 (100 points)

***NOTE:** This assignment can be done by a team of no more than 3 students (established formally, informally, or in progressing toward as of now) or individually (as of now if you are not in any discussion for forming a team so that there is none other than you with respect to team formation). If you decide to do this assignment with your team members, submit just one report with all member names (no more than 3 students) clearly printed on it.

A. Instruction:

For the given Problem Formulation exercise case of the 2 guitarists as discussed in the lecture on Design Process, by following the N-B Proposition approach as indicated below, complete the exercise:

1. Write Needs/Problems Statement.
2. Write Benefits Statement.
3. Write a long 1-sentence Problem Statement by combing the essence of the Needs statement and the Benefits statement.

B. Score Distribution and Rubric

	#1 [30]	#2 [30]	#3 [40]
40 pts			1 sentence with all items of needs and benefits summarily and concisely included
30 pts	3 or more needs/problems each with a complete sentence	3 or more benefits each with a complete sentence	1 sentence with only parts of items of needs and benefits summarily and concisely included
20 pts	2 needs/problems each with a complete sentence	2 benefits each with a complete sentence	1 sentence with minimal needs and benefits described
10 pts	1 need/problem with a complete sentence	1 benefit with a complete sentence	1 sentence written has nothing to do with the needs and benefits discussed
5 pts	Only bullet items	Only bullet items	
0 pt	No need/problem stated	No benefit stated	No combined 1-sentence statement

C. Submission: Electronic copy (file) of your work via email or Slack. Name your file as follows: **Assign01_LastName.xxx** (xxx for file type such as pdf, doc, docs, png, etc). If submission from a team, replace "**LastName**" part of the file name by **the mnemonic formed by the first letters of the names** of all members of the team.

D. Submission due: 8:00pm Monday 9/20/2021

E. Extension Request of Submission: Usually granted **upon request**. **Note:** The last submission date with extension granted without the late submission penalty is the Friday of the week of the submission due date.