

BUAI 492 GROUP PROJECT PART 2

(See the Syllabus for the Due Date)

NOTE: For this part, you can use your algorithm from Part 1 or you can use a new algorithm, keeping in mind that using fewer trucks is better than using more trucks. The *efficiency*—that is, how fast your program obtains an answer—is also important.

1. Write a Python program *in Jupyter Notebook* that obtains the data from the EXCEL file *project.xlsx* for use each day. The program should perform the steps of your chosen algorithm for loading the items on the available trucks that day and provide the Distribution Manager with the resulting information. (**Note:** You can use anything in Python, whether I have taught it in class or not.)
2. Prepare a PowerPoint *professional business presentation for the Distribution Manager of MultiSales of not more than 15 minutes* that includes, amongst other things, the names and e-mail addresses of all of the group members as well as a demonstration of your program with the data in the file *project.xlsx*. You can decide which student talks about which topics, but *each student should present for approximately the same amount of time*.
3. Prepare a User Manual in a Word file that describes how the Distribution Manager would use your program.
4. On or before the due date in the syllabus, upload to Canvas your .ipynb file (**THAT MUST WORK CORRECTLY ON A PC**), your Power Point presentation file, and your Word file with the User's Manual. The names of all your files should be ProjectGroup followed by the number of your group (for example, *ProjectGroup5.ipynb*, *ProjectGroup5.pptx*, and *ProjectGroup5.docx*).

Your will be graded on the following aspects:

- Ease of use for the user.
- Quality of the displayed solution.
- Quality of your program.
- Quality of your User Report.
- Quality of your presentation.
- Following the given instructions.