Read the following article on the Waterfall methodology and answer the questions below.

[Waterfall Article](https://www.lucidchart.com/blog/pros-and-cons-of-waterfall-methodology)

1. One of the advantages mentioned in the article is “Uses Clear Structure”. In your own words, explain why this is a benefit to some software development projects. You may use the class group project in your explanation.

The clear structure of the Waterfall Methodology helps to eliminate the ‘Grey Area’ from projects. Far too often I’m in meetings where the phrase ‘I assumed he/she was working on that?’. This happens when our sprint tasks are not clearly defined, or team members not familiar with the project work those tasks. Perhaps if we implemented the ‘Requirement Gathering and Documentation’ step from Waterfall into our Sprint tasks, this would help alleviated the issue.

1. One of the advantages mentioned in the article is “Determines the End Goals Early”. In your own words, explain why this is a benefit to some software development projects. You may use the class group project in your explanation.

This really helps because I constantly like to question the tasks we are working on. For example, with the class project, one of the end goals was to determine what type of software/hardware is required. Because we were able to identify an overall budget for the project, we were able to exclude out the purchase of server equipment for the business. That would have been a big expense and not necessary for the project.

1. Select one of the disadvantages of the Waterfall methodology as explained in the article and explain how that was or could have been a disadvantage in your class group project.

Continuing with the server purchase example, if this requirement changed near the end of the project, that could have thrown all our previous work out the window. This change would mean we have to reconfigure where the software is being housed and how it is accessed. Different security protocols, internet service, and database structures would need to be configured to accommodate this change. It would send our project back to step 1.

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| Criteria | Ratings |
| Assignment is free from spelling and grammatical errors | 5 3 1 0 |
| Question 1 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| Question 2 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| Question 3 is answered thoroughly with evidence of learning. | 5 3 1 0 |
| TOTAL POINTS POSSIBLE | **20** |