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**SWE 206: Introduction to Software Engineering**

**Lab: 02**

**Software Process Models**

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**Section: 54**

**Work was distributed evenly.**

Problem 1:

We chose the waterfall model for this problem because the requirements definition, system, and software design are already clear and well designed in the original Windows-based application. This will allow the company to save time since they already have the requirements and design, so using the waterfall model will allow them to build a robust application.

Problem 2:

We chose the incremental development model for this problem because:

* Since problem 2 will require many features using this model will allow to distribute the work efficiently.
* The client might be impatient and using this model will allow to release many versions early.
* Using this model will allow to test each feature individually.

Problem 3:

We chose the waterfall model because this problem has a limited number of features and its requirements are very clear, so it probably won't need initial and intermediate versions. As a result, the waterfall model will be preferable.

Problem 4:

Because the requirements description, system, and software design are already explicit and properly developed in the original application, we picked the waterfall model for this problem. In addition, waterfall model will allow to more secure application since it consider all cases in first two processes.