Name:

Quiz III

1. What are the requirements in a software project?

   The requirements of a software is a document that contains descriptions of the features and functionalities of the end product and formalizes the expectations with regards to its behavior.

2. Pick one of the following projects and describe the project management needs and the methodology to address those needs.
   a. An electric car
   b. An OS for electric cars
   c. A bridge

   Making electric cars involves mass production, which is an extensive process. The requirements are relatively stable and obvious from the get-go. Waterfall can be easily deemed as the most suitable approach. It should be noted, however, that the origins of the **kanban** methodology is Toyota's just-in-time production notion from the 1940's and adopting it could be beneficial when it comes to the actual manufacturing.

   The operating system for that very car, on the other hand, is a different story. The requirements can often change and different prototypes with more features can be built and tested with relative ease and that is exactly where **scrum** shines.

   As for bridges, the appropriate approach is determined by the size and the expected lifespan. Permanent bridges and civil engineering, by nature, effectively limit the options regarding project management choices to **waterfall**.

   It is worth noting that every methodology has its merits and can potentially be applied for any project.