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**CMPE 131 - Appropriate Software Process (In-Class)**

1. A system to control antilock braking in a car

The best process to use for this problem would be the V-model of development. Since this software cannot fail in order to be customer-viable rigorous testing is required. This model allows testing at every stage in the process ensuring the utmost safety and reliability.

1. A virtual reality system to support software maintenance

Since this system is rather experimental a version that can be sent out to users for feedback and improvement is necessary. Therefore an incremental model of development would be the best use for this system. Feedback can help improve the software at each stage of development.

1. A university accounting system that replaces an existing system

Because this system is replacing an existing system some risk can be taken as a usable system is already in place. Thus the spiral model would be the best model to use as the changes/improvements to the system are risk based.

1. An interactive travel planning system that helps users plan journeys with the lowest  
   environmental impact

With this system being interactive a great deal of flexibility is required in order to make the system work. An agile model should suffice for this system as its flexibility is key in allowing trips to be planned with the least environmental impacts as these technologies are still advancing.