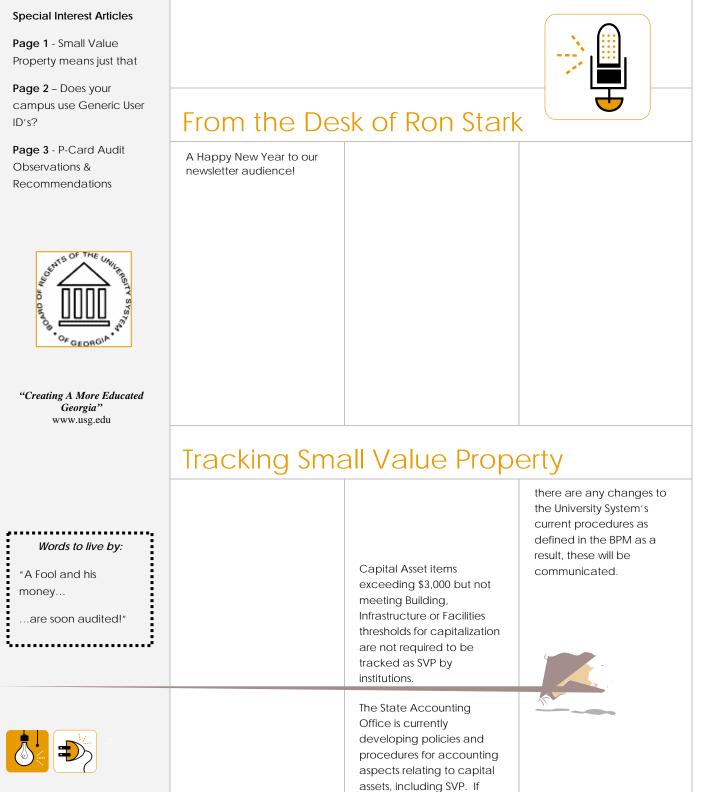
The STRAIGHT and NARROW

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Who is USER1?

Online computer systems have brought significant new capabilities to Higher Education. We are now able to register on-line, pay tuition on-line and even data mine vast amounts of sensitive data. However, putting large amounts of sensitive data on a computer and making it available on-line has also brought a new set of problems and concerns. We now need to be concerned about properly controlling access to this sensitive data.

There are two major controls that need to be implemented in any computer system which contains sensitive data: Authentication and Authorization.

Authentication is the process of ensuring that a user is really who they say they are. When a user attempts to make an entry using Banner or PeopleSoft, the system needs to be able to 1) identify the user and be able to determine, to a sufficient level of confidence, that the user is who they say they are and 2) determine what functions the user is allowed to perform. A second REPORTS2 id was also available which provided sensitive student financial data. Since the id and password were shared, there was no method to determine who had access to the data. There was no method of determining if the user were still an employee of the institution, had recently left, or was even affiliated with the institution.

In order to protect the institution, all users must be assigned a unique id which has specific levels of authorization tied to it. The use of generic user ids provides a level of security which should not be allowed with any system containing sensitive student data.

