

1. How can Internet technologies be involved in improving a process in one of the functions of business?

Internet technologies can be used to improve the Family Educational Rights and Privacy Act (FERPA) authorization process at Bowie State University. Currently before another party, other than a student, can get access to student information they must download, print the form, fill it out, and deliver (either in person or by mail) to the registration office. This process can be improved by converting the form to a fillable PDF document and allowing interested parties to attach a digital signature. The electronic form could then be emailed to the registrars office and stored on an optical disk. Business logic can also be written to send automatic emails to the third party informing them of updated FERPA rules. Automating this process can add value by saving money on paper, providing more security, and expediting the process.

Internet technologies can also be use to improve the voter registration process. United States citizens should be able to fill out a voters registration form online and submit it to the proper authority. Business logic be written to verify the registrant information with the Vital Statistic Department and the Social Security Administration. An email verification can be sent to the registrant confirming that their registration has been completed along with important information as to the polling place they should report to. A website will link the voters registration to a user account for the voter. This website should also allow the voter to update information and find information about political candidates. Every state should have a website but the entire process should be managed by the federal government.

2. What are 5 e-business applications that you might recommend to a small company to help it survive and succeed in challenging economic times? Why? Research online for specific products/applications from vendors. Use a table to outline the features of each and justify your recommendations.

Recommended Product	Product Features	Justification
Trello	Project Management Software Business can plan and schedule work.	It is free.
Join.me	Video Conferencing Software that gives a company the ability to host virtual meetings.	Business can save on office space by allowing remote workers to meet via the internet.
Quickbooks	Financial management software that can ,Track income & expenses and sales , Capture & organize receipts , Maximize tax deductions , Invoice & accept payments, Generates reports	Businesses can use cloud version and pay a small monthly fee.
eVoice	Communication Center. Customers can get a 1-800 number and route calls to anyone. It gives an appearance of being a professional office with several functional units.	It is inexpensive and the company does not have to hire an answering service for their calls.
Open Office	Similar to Microsoft Office products. Users can create presentations, documents, marketing brochures, spreadsheets and more.	It's free and the company will not have to worry about product licensing issues and expensive updates.

For example:e-Business app/vendor Type of Application Feature(s)Why I would recommend itto a small company Bitcoin Digital Currency Blockchain, SecureTransaction, Global Platform Global payments using a global currency for secure and fast transactions

3. More companies are leveraging e-Business systems “As-A-Service”. Compare and contrast five different “As-A-Service” options. Go online and research the similarities and difference among the options. Provide a table that includes the “As-a-service”, a definition, and a brief example of the service. Then, prepare a 10-sentence report to summarize your analysis.

A.

Name of Service	Description/Definition	Example
Software as a service (SaaS)	Software is licensed on a subscription basis and is centrally hosted. ¹	Microsoft Products, Outlook Email
Network as a service (NaaS)	Describes services for network transport connectivity. NaaS involves the optimization of resource allocations by considering network and computing resources as a unified whole ²	Virtual Private Network providers
Infrastructure as a service (IaaS)	Online services that provide high-level APIs used to dereference various low-level details of underlying network infrastructure like physical computing resources, location, data partitioning, scaling, security, backup etc. ³	Oracle Virtual Box
Database as a service DBaaS	A cloud database is a database that typically runs on a cloud computing platform, and access to the database is provided as-a-service. Database services take care of scalability and high availability of the database. Database services make the underlying software-stack transparent to the user ⁴	Amazon Aurora , Google Cloud

1 https://en.wikipedia.org/wiki/Software_as_a_service

2 https://en.wikipedia.org/wiki/Network_as_a_service

3 https://en.wikipedia.org/wiki/Infrastructure_as_a_service

4 https://en.wikipedia.org/wiki/Cloud_database

Security as a service SaaS	a service provider integrates their security services into a corporate infrastructure on a subscription basis more cost effectively than most individuals or corporations can provide on their own. ⁵ Anti-virus, spyware, intrusion software services are included.	McAfee

B.

Technology has become very sophisticated and providing business infrastructure has become simpler with 'as-a-service' offerings. Business no longer need to pay the cost of procuring expensive computer systems in house. Businesses also do not have to set up functional areas to handle managing their software inventory. They can use as-a-service companies to provide software updates and deal with licensing issues.

It has become relatively inexpensive to farm these services out. The services that I have highlighted above are good example of these benefits. Software as a Service will allow companies to reduce the cost of purchasing multiple software packages, network infrastructure and expensive hardware. Businesses can leverage the as-a-service offerings and pay for only what they use. Business can save on hiring security specialist if they use Security as a Service providers to manage their systems.

Overall I think that the as-a-service products are a good idea. I believe there will be many more businesses emerging to offer as-a-service products.

⁵ https://en.wikipedia.org/wiki/Security_as_a_service