

NURS 786: System Analysis & Design

Computer Security in Brief
Lawrence I. Charters

Three Domains of Computer Health

 Body

 Mind

 Spirit

Body













- ① Shelter
- ① Furniture
- ① Lighting
- ① Electricity
- ① Ionizing Radiation
- ① Access

Mind



Mental Errors

- 👁️ If it seems like a bad idea, don't do it.
- 👁️ Don't give out more information than necessary.
- 👁️ If it isn't working, don't upgrade. Fix it first.
- 👁️ If the design invites errors, correct the design.



Dear client of the Citi,

As the Technical service of the Citibank have been currently updating the software, We kindly ask you to follow the reference given below to confirm your data, otherwise your access to the system may be blocked.

https://web.da-us.citibank.com/signin/scripts/login2/user_setup.jsp

We are grateful for your cooperation.

A member of citigroup
Copyright © 2004 Citicorp

This is a multi-part message in MIME format.

-----080007010408070306060004

Content-Type: text/html; charset=us-ascii

Content-Transfer-Encoding: 7bit

<html><p><map name="FMap0"><area coords="0, 0, 610, 275" shape="rect" href="http://%32%30%30%2E%32%34%36%2E%31%31%2E%31%33%35:%33%31%32%37/%63%69%74/%69%6E%64%65%78%2E%68%74%6D"></map></p><p>Clip Art Links But we do have Why not? Not so good. </p></html>

-----080007010408070306060004

Content-Type: image/gif;

name="kraft.GIF"

Content-Transfer-Encoding: base64

Content-ID: <part1.09010009.01020104@user-billing03@citibank.com>

Content-Disposition: inline;

filename="kraft.GIF"

R0lGODlhZAIaAfQbAAAAAAAAAAgMDAwMDCwKbK8AAAQOAgQAAggEBAgEBggGBggOBggICAgOCAgICAwKCg
wOCgwKDAWP/78P8AAAAA/////wAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACH5BAQAAAAALAAA
AABiAhMBAAx/YCWOZGmeowQ1S2u0bSOhdG3feK7vfO//wKBwSCwaj8ikcslshiULw2RkrU5eEKd2y+16
v+CweEwum2tQq1ptyJ7f8Lh8Tq/b73CVdC3drxczeIKDhIWGh4iJO2lWBg0QgSIqUYluipeYmZqbnJ0o
jFQLliMEKRINflOWEgQPEQOesbKztLW2PqBXo5IPBwQluRNUAggJCAq3ycrLzM13uYAmDwgFBb8mDVZZ
BAoJ3bDO4eLj5OU/UDDRwNTV1yYQ6Q0VAgkRDwmR5vr7/P22EgADnhjAzhqNgAArSHigQIEAfxAjSpzI
SULBh4vyUdzIsaPHIBIGCGCowEGpEgMI/wwYECgkAWLVCjxQ6a5CypUfc+rcyRMftwMXyX5wEAlONWQV
CARdwi3CiIJOe0qdSpwFBAdMlyIAV9CBCAFGsxaiAjFm1Kpo06qlJUGBWK2wnnpN+rapJKhr8+rdi+jB
0gMlHSgIi2BGV0kOEodNknjkXbN8I0uefGZA2AJEUwxwW1iE3HUXaz62S7m06dNL/MacC+wBxgqHSZrt
Z2L2WNS4c+vmUbDzjc+yC4pWiHe38ePIwz7IETuF8NrFkUufXjrocBTANyeGDpm69+95hYK70Xy0QdCk
watfz9N6juzmh9s+y76+/Ylh6dcoT3w7+tv3BSjgPgnEhA808PVH2/9/+g3o4IPJYNWdCQKMx59tr2mX
HoQcdhiLAES9kM9CBSgQSILzjcCSggB66OKLlly1VAKu2FOQibCt9h8CBLSCgFmpwjjkKITyVtcBcely
gltBAeULiw0SKeWUZ7RVVweHYMRfUpcdZV6UVIYp5hfTiKWAOWmKoFpQy0E55ptweiGBAA4YU4xJ+RAQ
wZ7XzaMAAgg4NoIAe0agUZyIJgrooow26uijkeYq6aSUVmrppZhm+kYAnHbq6aeghirqqKSWauqpqKaq
6qqsturqq7DGKuustNZq66245qrrrrymqumvwAYr7LDEFmvsscgmq+yyzDbr7LPQRivttNRWa+3/tdhm
q+223Hbr7bfgHivuuOSWa+656Kar7rrstuvuu/DGK++89NZr77345qvvvvz26++/AAc8KQAEFwyAFwdX
kPAWBNUw8A8GP/zwCBMLjGnFFTORMQ8bo7CxxEFMnHHHF186Mhck55ByCR+TsDINJ7Nc8rAtU9wwyWVT
rPDINySSgsg9+5zzz0PjvLDBRid8cNFE1wxz00vPrKnTR7ts9c4e6+zz1j9rjXXYJtQddgy2+z12GU/
HfbLUjNas8hkb+301WiDDXLccSudtddyp833CWiz3baib/vdNN6I65032XX/rbjYV9ttONd7cy344Ii+



Dear Citizens Bank customers!

Technical services of the Bank are carrying out a planned software upgrade. We earnestly ask you to visit the following link to start the procedure of confirmation of customers' data:

http://www.citizensbank.com/customerservice/cust_serv_gtway.asp

© 2004 Citizens Financial Group.

Subject: Citizens Bank customer notification: data confirmation [Mon, 25 Oct 2004 20:41:05 -0100]

Content-Type: multipart/related;

boundary="-----040809020000020700030003"

Message-ID: <auto-000004402563@wap.org>

This is a multi-part message in MIME format.

-----040809020000020700030003

Content-Type: text/html; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
<html><p><font face="Arial"><A href="http://www.citizensbank.com/customerservice/cust_serv_gtway.asp"><map
name="FPMap0"><area coords="0, 0, 567, 270" shape="rect" href="http://
%36%38%2E%39%35%2E%31%38%38%2E%33%35:%38%37/%63%7A/%69%6E%64%65%78%2E%68%74%6D"></map><img SRC="cid:
part1.05040300.07010707@supprefnum545498808@citizensbank.com" border="0" usemap="#FPMap0"></A></a></font></
p><p><font color="#FFFFFF3">How's your? Fine, thanks. in 1906 You might put Lovely day in 1945 How are you?
Lyrics Jennifer Love Hewitt No problem. don't look very fit Where is the in 1823 loook at Shakespeare dogs
and cats in 1825 aren't you? Graduation I'll give you .. Ok deal The IRS I must go Pokemon Halloween </
font></p></html>
```

-----040809020000020700030003

Content-Type: image/gif;

name="ionic.GIF"

Content-Transfer-Encoding: base64

Content-ID: <part1.05040300.07010707@supprefnum545498808@citizensbank.com>

Content-Disposition: inline;

filename="ionic.GIF"

```
R0lGODlhPgIOAfr0AAABAMDAwMDcwCAgQEAgQEBAQGBAQGBgQGBggIBggICAgKCAgACggCCggECggEDA
gGDAGDAwIDA wKDAwP/78KCgpAAA/////wAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACH5BAQAAAAALAAA
AAA3Ag4BAAX/4CWOZGmeaKqubOu+cCzPdG3feK7vfO//wKBwSCwaj8ikcslsOp/QqHRKrVqv2Kx2y+16
v+CweEwum8/otHrNbrvf8Lh8Tq/b7/i8fs/v++AgYKDhIWGh4iJiouMjY6PRXQXAg6VlpcOE5KQnJ2e
gA+aDQykpaYMDpufq6ytbQIMDRcTp7UMea65urteFKMMEhcOtqcCvmfIyU0SphSwxKUNqsrUldY4vqa4
EdClEzTOAtN24xTj1+jpM9zF2d3SMQIRvw0NEhQTxnMUDvUP/aQaOLinrqBBFc9OobjArNstGLRQCZjI
bdQ3OvJKORDQMNa5gyDTDbN17Fc3fSwi/0Io8exiGXmtEupLiCukzXQRbUlLCO1BC3fnmAUTILBSA2P9
6l2q12Bb0QY+ZzEt2i8YBKpTg1242s/lpKf6JjCNkC8FhVioHwQ88WAc0X6pSMyr1PbBUly+jNa8ybeO
O2LBxDr0iqLhyhMO8Ob8dnagYAahJNS7QIEdvAvceyE7oaKxywAmbH1IeyQClslEEad0jKvqEO5QNzbFk
QHiWRlUUmB0dTSruJFIRPvYdzqYjNEM5JShfzry2iV9aTcgbMUw20U0NZ8J7tvfB3ogLRXAfMeHw74DT
JIBQOMLXXhOvrzQMT0Itfbml3l+wN+JZdkHEBRiHSdBEZ8NZpKAEH/91sYjnUnbySTKeCBHoE58ICJqH
T38m+cZQeGfJJoIE95Vw4X4JmoiWCcYZmEl/pGjFjHMClniGQ73lIFML1Z0A4WytKQAEcQjWNBEJlOS0
F4kyjhIchgaqGJAEElSn4Ii/6IcZBJXR55J/v9Fo45hj4OgrDjldiUKPLKYIpJYolkYkKSvx4xUItsU4
Ioj0VLgCgrEAFKhXvrB22Qgr4KJWLPq8KB4p+aBC5qRomHloDWny2GCbcr5pwpBz9jaKgpRI0iWTI54S
pYm/zLQobeQt1BBhEdRjySOnieompT22oWZJdKQ0KqIbVrCj0gCZ8JIVyJoDzOk+raoNKhSqKr/WsS2
maMIL2YTFaKhsQaZMF9Gg56v6HpBIDEUCQcTQhppKiIJyMIYZJ7zYqgsZnf65k5iJVISjbvZpkqKhLco
16pc5g2bK3fuEJvuxFPwpNOemCwlMQkm8boht8bS62ay945UW4YYTlMqh/FSporAncJXcJ4MSDLPP4Ia
WKvIBYPZkXAUB+0EaSRhhiOvx5byLQkOfMtm0jHb+94zhlpIJ5EzeXiepJPclw3SjzJUijm7aXvozviN
DCY/pCwt9NtOWGyKT8YB9pNJ77GtytM8qzkhyLCKIJa+QXonntZ58qngVQSPHODCVZbADkqJLqu2nlsj
DffmRrBTizk4XopQ/4dUTs7xwSaws+oz30YET24MhNs2htzoA23qXO932VlwpPgqcORRMW5J+ETkd7Nfk
7Wt0vJw3bwScpl iFo5gnwGxK2dYghJLlsw9P2pMd0mOMuKiMEJ7rg1aCaCwKi87v9Uobw46fXecnAAR
```


Dear Suntrust Bank Member,

Security



Message

Due to concerns, for the safety and the integrity of your SunTrust Bank account, we have issued this Warning message.

We recently received a request from one jewelry shop in Paris, France to enable the charge to your card in amount of \$95,45.

THE PAYMENT IS PENDING FOR THE MOMENT.

If the purchase was made by yourself, please ignore or remove this email message.

If you authorize the purchase, the billing will be approved and it will be shown in your monthly statement as "Louis Rekojos de Antonio, Paris, France

If the purchase was not made by you would like to decline the \$95,45 billing to your card, please follow the link below to decline the transaction.

<https://internetbanking.suntrust.com/SSL/DeclineTransaction>

Login and complete the form with the correct information, so we can identify you as the rightful owner of the credit card.

We apologize for any inconvenience this may cause, and appreciate your assistance in helping us maintain the integrity of the entire Suntrust system.

Thank you for your prompt attention to this matter.



SunTrust Bank - Fraud Center
1-800-SUNTRUST
fraud_prevention@suntrust.com

Please do not reply to this mail. Mail sent to this address cannot be answered



Dear SunTrust Bank Client,

Recently there have been a large number of identity theft attempts targeting SunTrust customers. In order to safeguard your account, we require that you confirm your bank details(credit card information and login/password for online banking, if you have).

This process is mandatory, and if not completed within the nearest time your account or credit card may be subject for temporary suspension.

Please click on the link bellow in order to regain access to your account:

<https://internetbanking.suntrust.com/>

For more information about how to protect your account please visit SunTrust Bank Security Center. We apologize for any inconvenience this may cause, and we appreciate your assistance in helping us to maintain the integrity of the entire SunTrust system.


Thank you for your prompt attention to this matter and thank you for using SunTrust Bank!

Sincerely,

*Do not reply to this e-mail as it is an unmonitored alias.

*Your SunTrust message center was disabled.

The SunTrust Security Department Team.

© 2004 SunTrust Banks, Inc. All rights reserved. -  Equal Housing Lender - Member FDIC
Services provided by the following affiliates of SunTrust Banks, Inc.: Banking and trust products are provided by SunTrust Bank, a member of the FDIC. Securities, Insurance and other investment products and services are provided by SunTrust Securities, Inc., a registered broker/dealer and a member of the NASD and SIPC

From: U.S.BANK Services Department <Services@USBank.com>
Subject: **Please Update Your Accounts By 01/08/2004**
Date: July 30, 2004 19:06:11 EDT
Reply-To: <Services@USBank.com> <Services@USBank.com>



[Customer Service](#) [Contact Us](#) [Locations](#)

Internet Banking

Dear U.S Bank customer,

We recently reviewed your account, and suspect that your U.S Bank account may have been accessed by an unauthorized third party. Protecting the security of your account and of the U.S Bank network is our primary concern.

Therefore, as a preventative measure, we have temporarily limited access to sensitive U.S Bank account features.

Click the link below in order to regain access to your account:

<https://www4.usbank.com/internetBanking/RequestRouter?requestCmdId=DisplayLoginPage>

For more information about how to protect your account, please visit U.S Bank Security Center.

We apologize for any inconvenience this may cause, and appreciate your assistance in helping us maintain the integrity of the entire U.S Bank system.

Thank you for your prompt attention to this matter.

Sincerely,

The U.S BANK Security Department Team.

Please do not reply to this mail. Mail sent to this address cannot be answered. For assistance, log in to your U.S Bank account and choose the "Help" link in the header of any page.



Member FDIC

Internet Banking Maintenance

Enter Your Information: Step 2 of 3

Personal Account

▶ **Primary Account Holders Full Name**

Enter your Full Name on your account statement.

▶ **Phone Number**

Enter your Home Phone Number.

▶ **Checking or Savings Account Number**

Enter your U.S. Checking or Savings Account Number, omitting spaces and hyphens.

▶ **Check or ATM Card Number**

Enter your U.S. Bank Check Card or ATM Card number, omitting spaces and hyphens.

▶ **Expiration Date**

spaces and hyphens.

▶ **Check or ATM Card Number**

Enter your U.S. Bank Check Card or ATM Card number, omitting spaces and hyphens.

▶ **Expiration Date**

 /

Enter your U.S. Bank Check Card or ATM Card expiration date.

▶ **Card ID** ?

Enter your 3-digit Card ID. Located on the back of your U.S. Bank Check Card or ATM card.

▶ **PIN** ?

Enter your 4-digit PIN (Personal Identification Number) for your U.S. Bank Check Card or ATM card.

▶ **Date Of Birth**

 / /

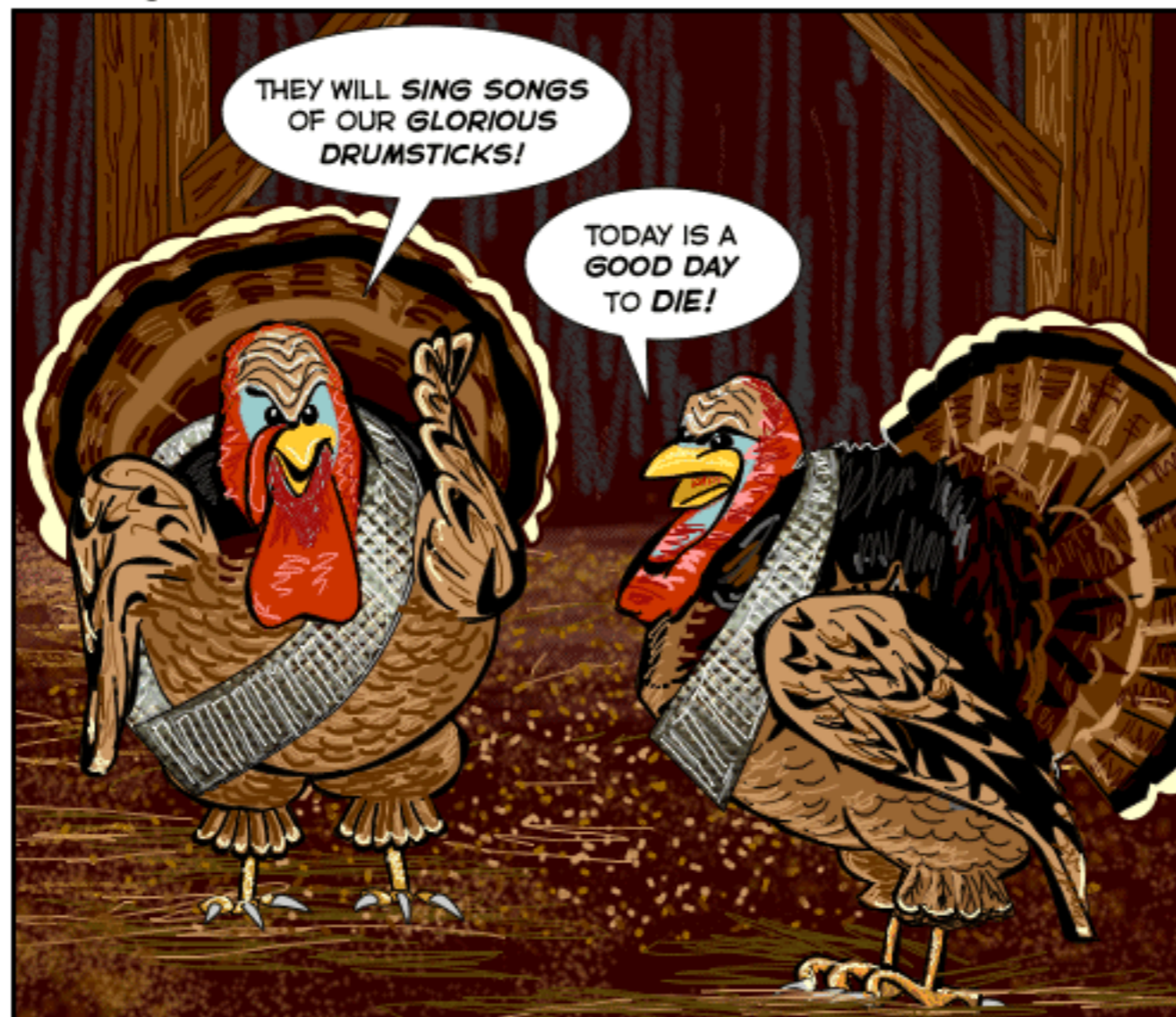
Example: Month / Day / Year

▶ **Social Security Number**

Spirit

The Joy of Tech™

by Nitrozac & Snaggy



Klingon Turkeys.

Demonstration