

Significant Properties: Worked example

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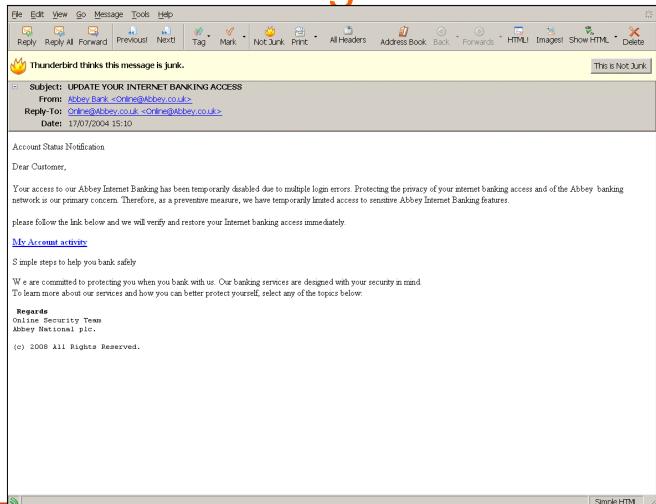
> DCC101 7 October 2008



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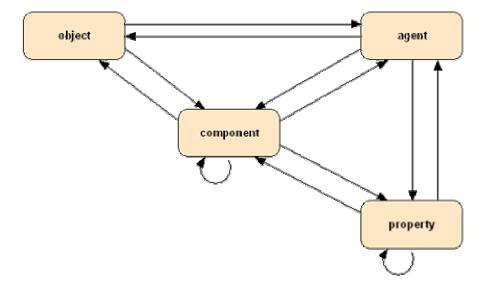
Preservation target: email





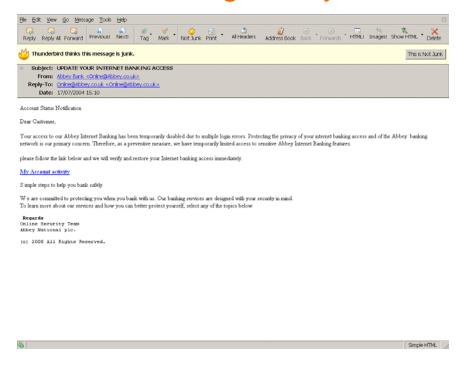
Methodology

- Identify the Components of a digital object that an evaluator wishes to maintain.
- Analyse the properties of each Component that are required or beneficial for its recreation.
- 3. Classify the function performed by each property and assess its value.
- Obtain measurements for each property



Two high-level components

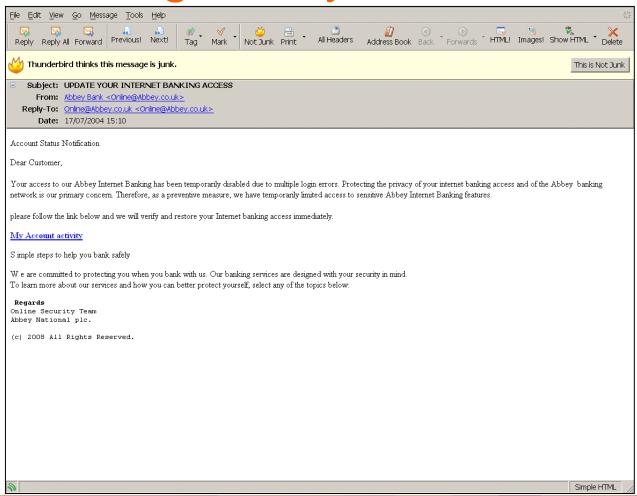
Message Body



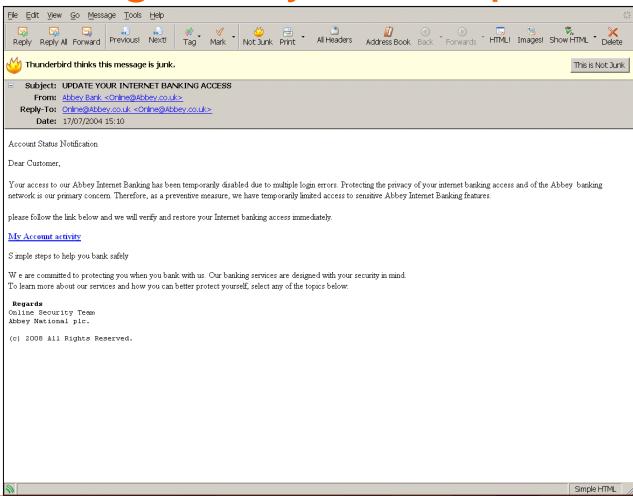
Header



Message body: Text



Message body: Markup



Header information

Subject: UPDATE YOUR INTERNET BANKING ACCESS From: Abbey Bank <Online@Abbey.co.uk> Reply-To: Online@Abbey.co.uk <Online@Abbey.co.uk> Date: 17/07/2004 15:10 Received: from KCL-ETS01.ds.kd.ac.uk (10.12.4.20) by KCL-HTS03.kdad.ds.kd.ac.uk (10.12.7.210) with Microsoft SMTP Server (TLS) id 8.1.278.0; Sun, 5 Oct 2008 04:35:57 +0100 Received: from outbound-exchange.kcl.ac.uk (137.73.2.217) by KCL-ETS01.ds.kcl.ac.uk (10.12.1.20) with Microsoft SMTP Server (TLS) id 8.1.278.0; Sun, 5 Oct 2008 04:35:55 +0100 Received: from relay1.kd.ac.uk (137.73.2.212] helo=elder) by outbound-exchange.kd.ac.uk outbound with esmtp (TLSV1:DHE-RSA-AES256-SHA:256) id 1KmKPN-0000Cx-SE for gareth.knight@kcl.ac.uk; Sun, 05 Oct 2008 04:35:49 +01 Received: from [200.74,227.162] (helo=uma.edu.ve) by elder mix with esmitp id 1KmkPE-00003k-AO for gareth.knighti@ahds.ac.uk; Sun, 05 Oct 2008 04:35:42 +0100 Received: from User ([196.3.183.72]) (authenticated bits=0) by uma.edu.ve (B.12.11.20060306;B.12.11) with ESMTP id m953E4DK008036; Sat, 4 Oct 2008 23:14:12 -0400 Importance: high Thread-Topic: UPDATE YOUR INTERNET BANKING ACCESS Thread-Index: Ackmm3oWWYvFyPR/TdyXI5C5crfkcw== Message-ID: <200810050314.m953E4DK008036@uma.edu.ve> Accept-Language: en-G8, en-US Content-Language: en-US X-MS-Exchange-Organization-AuthAs: Anonymous X-MS-Exchange-Organization-AuthSource: KCL-ETS01.ds.kd.ac.uk x-kdrealspamscore: 10.3 x-kdzstatus: 103 x-kdspambar: ++++++++ X-kcispamreport: _IN_PAST_96_XX=1.534 FORGED_MUA_CUTLOCK=2.568 FORGED_OUTLOCK_TAGS=1.001 HTML_FONTCOLOR_BLUE=0.1 HTML_MESSAGE=0.1 HTML_MME_NO_HTML_TAG=1.184 HTML_TAG_BALANCE_A=0.196 MIME_HTML_CONLY=0. x-kcl-mailscanner: Found to be clean x-mailscanner-from: online@abbey.co.uk x-kdspamscore: 103 x-authentication-warning: uma.edu.ve: daycouma owned process doing -bs x-kcloriginalsubject: UPDATE YOUR INTERNET BANKING ACCESS x-kclspamsubject: {Spam?} {score=10.3} UPDATE YOUR INTERNET BANKING ACCESS Content-Type: multipart/alternative; boundary="_000_200810050314m953E4Dk008036umaeduve_" MIME-Version: 1.0



Sender & recipient

From: Abbey Bank <Online@Abbey.co.uk>

Reply-To: Online@Abbey.co.uk <Online@Abbey.co.uk>

Date: 17/07/2004 15:10

Received: from [200.74.227.162] (helo=uma.edu.ve) by elder mx with esmtp id 1KmKPE-00003k-AO for gareth.knight@ahds.ac.uk; Sun, 05 Oct 2008 04:35:42 +0100

Email address:

- Local-part
- Domain-part
- Domain-literal
- Display-name

Sent and received:

- Send-date
- Receipt-date



Structural information

Thread-Index: Ackmm3oWWYvFyPR/TdyXI5C5crfkcw==

Message-ID: <200810050314.m953E4DK008036@uma.edu.ve>

Accept-Language: en-GB, en-US Content-Language: en-US

X-MS-Exchange-Organization-AuthAs: Anonymous

X-MS-Exchange-Organization-AuthSource: KCL-ETS01.ds.kd.ac.uk

x-kclrealspamscore: 10.3 x-kclzstatus: 103

x-kdspambar: ++++++++

x-kclspamreport: _IN_PAST_96_XX=1.534,FORGED_MUA_OUTLOOK=2.568,FORGED_OUT

x-kcl-mailscanner: Found to be clean x-mailscanner-from: online@abbey.co.uk

x-kclspamscore: 103

x-authentication-warning: uma.edu.ve; daycouma owned process doing -bs

x-kcloriginalsubject: UPDATE YOUR INTERNET BANKING ACCESS

x-kdspamsubject: {Spam?} {score=10.3} UPDATE YOUR INTERNET BANKING ACCESS

Structure

- Reference information
- Message ID

Other information

Server messages?



Provenance

- Server name
- IP address
- Date

Received: from KCL-ETS01.ds.kcl.ac.uk (10.12.4.20) by KCL-HTS03.kclad.ds.kcl.ac.uk (10.12.7.21) Received: from outbound-exchange.kcl.ac.uk (137.73.2.217) by KCL-ETS01.ds.kcl.ac.uk (10.12.1.

Received: from relay1.kcl.ac.uk ([137.73.2.212] helo=elder) by outbound-exchange.kcl.ac.uk (

Received: from [200.74.227.162] (helo=uma.edu.ve) by elder mx with esmtp id 1KmKPE

Received: from User ([196.3.183.72]) (authenticated bits=0) by uma.edu.ve (8.12.11.2006030)



Task: Audio

For the examples on the worksheet:

- Categorise each property in one of the 5 categories (content, context, rendering, behaviour, structure) according to its function
- 2. Assign a score from 0 10 & justify it in the rationale
- Open the sample file in Microsoft Sound Recorder (Accessories/Entertainment in the Start Menu) and record the values stored for each property
- 4. Are there any other aspects of the audio file that you need to record?