Messaging Related Protocols Standards (RFCs) Major Assignment

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Part 1: Common Class Project

Purpose And Goals Of This Major Assignment

- Understand what rfcs are, How they are structured, How they relate to one another, How they become obsolete and how they are updated
- Become familiar with the RFC Editor and IETF web sites
- Understand the dis-organized nature of Email related RFCs
- Recognized the distinct functional groupings that Email RFCs belong to and how these functional groups fit together
- Understand how port numbers are associated with protocol RFCs
- Learn how Emacs org-mode can be used to organize and structure related pieces of information such as the Email RFCs

General Instructions

- Applies To All Students
- Copy and Collaborate As Much As You Want
- Due By Feb 21, 2017

Deliverable

- A Single .org text file that would replace
  /libre/ByStar/InitialTemplates/activeDocs/
  bxLanguages/standards/rfcs/appsFuncGroup/email/fullUsagePanel-en.org

To Be Emailed by each student to the teacher by the due date.

Instructions: Structure The Email Blee Panel

- Complete The Email RFCs List – As complete as possible. Sorted by RFC Numbers. Follow the TODO details.
- Complete The Functional Groups Section. Assign each of the CURRENT RFCs above to one of the categories in this section.
- Complete The TCP/UDP Ports. Cross reference assigned port numbers to Protocol RFCs.

Main RFCs: Identify And Locate Main CURRENT Email Related RFCs

Use the following topics and keywords to locate main Email protocols and format standards

- - SMTP and SSMTP
- - IMAP and SIMAP
- - POP
- - Format Standards (RFC-822 updates and derivatives)
- - MIME
- - PGP and SMIME
- - SPF and DKIP
- - EMSD

For Each Of The Main Email RFCs follow the obsoletes and updates chain

For each of the Main Email RFCs,

- Use the RFC Editor's page to identify all RFCs that belong to the Current RFCs obsolete chain.
- Follow the updates pointers and identify RFCs that are directly related to the current main RFCs.

Create The Email RFCs List

- Aggregate the previous two sections to create a list for the Main Email RFCs.
- Search and look through all the RFCs list to identify other relevant email RFCs
- Create a list of the above found RFCs and add them to the
"Internet Email RFCs – Primary Ref – Sorted By Number"
section of the Email RFCs (Standards) Panel.

Functional Grouping Of Internet Email RFCs and Port Numbers

- For the CURRENT RFCs, assign each of them to one of the categories in:
"Functional Grouping Of Internet Email RFCs"
- Associate each port number in:
"Port Number Assignments"
to its corresponding CURRENT protocol RFC.

Graphical Representation Of Functional Groups
iCalendar and vCard RFCs
Public Key Infrastructure (PKI) Related RFCs List
DNS Related RFCs List
Instant Messaging And Presence RFCs
Org to HTML Export Process for RFCs Standard Blee Panel

Part II

Individual Projects

Part 2: Individual Projects

5. Graphical Representation Of Functional Groups

6. iCalendar and vCard RFCs

7. Public Key Infrastructure (PKI) Related RFCs List

8. DNS Related RFCs List

9. Instant Messaging And Presence RFCs

10. Org to HTML Export Process for RFCs Standard Blee Panel

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Graphical Representation Of Functional Groups

- Assigned To: Stephanie Gilmore – Cameron Roach
- Use Open Office Draw
- Start From: Email Communications Stack Slide 21 of `http://mohsen.1.banan.byname.net/content/generated/doc.free/mohsen/Records/mobileMsg1999.pdf/Presentation/mobileMsg1999.pdf`
- Deliverable: Once Open Office Draw File Converted to pdf

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iCalendar and vCard RFCs

- Assigned To: Jeff Calkins
- Update
  /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfcs
  /appsFuncGroup/iCalvCard/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace iCalvCard Panel

Public Key Infrastructure (PKI) Related RFCs List

- Assigned To: Sandra Howard
- Update
  /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfcs
  /appsFuncGroup/pki/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace PKI Panel

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DNS Related RFCs List

- Assigned To: Sandra Vasquez
- Update
  /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfcs
  /appsFuncGroup/dns/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace dns Panel

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Instant Messaging And Presence RFCs

- Assigned To: Thomas Hyldahl
- Update
  /libre/ByStar/InitialTemplates/activeDocs/bxLanguages/standards/rfcs
  /appsFuncGroup/instantMsg/fullUsagePanel-en.org
- Deliverable: A Text .org file to replace instantMsg Panel

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Org to HTML Export Process for RFCs Standard Blee Panels

- Assigned To: Benjamin Cohen
- Deliverable 1: Document the process of Org to HTML conversion
- Deliverable 2: An HTML file that is the equivalent of Email RFCs Blee Panel