

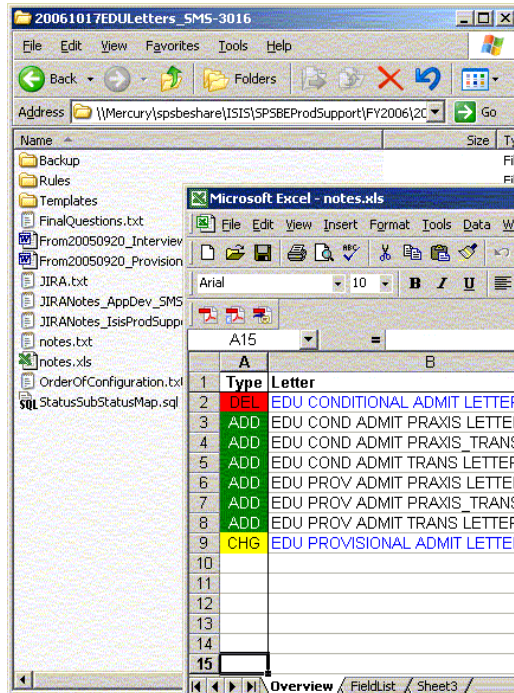
# JHU School of Professional Studies (SPSBE)

Matrix SMS Letters

# Letter Entity Naming Conventions

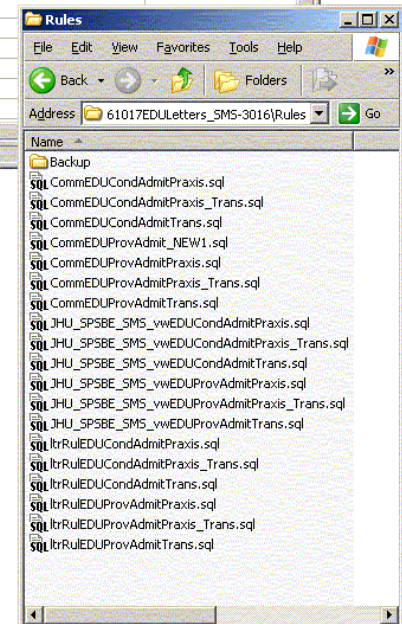
- CommGroupRule
- COMM GROUP NAME
- ltrRulLetterRule
- LETTER NAME LETTER
- JHU\_SPSBE\_SMS\_vwViewName

# Notes.xls



Microsoft Excel - notes.xls

	A	B	C	D	E	F
1	Type	Letter	LetterRule	View	Template	CommGroup
2	DEL	EDU CONDITIONAL ADMIT LETTER	ltrRuleEDUConditionalAdmit		EDU CONDITIONAL ADMIT.doc	EDU CONDITIONAL /
3	ADD	EDU COND ADMIT PRAXIS LETTER	ltrRuleEDUCondAdmitPraxis	JHU_SPSBE_SMS_vwEDUCondAdmitPraxis.sql	EDU COND ADMIT PRAXIS.doc	EDU COND ADMIT P
4	ADD	EDU COND ADMIT PRAXIS_TRANS LETTER	ltrRuleEDUCondAdmitPraxis_Trans	JHU_SPSBE_SMS_vwEDUCondAdmitPraxis_Trans.sql	EDU COND ADMIT PRAXIS_TRANS.doc	EDU COND ADMIT P
5	ADD	EDU COND ADMIT TRANS LETTER	ltrRuleEDUCondAdmitTrans	JHU_SPSBE_SMS_vwEDUCondAdmitTrans.sql	EDU COND ADMIT TRANS.doc	EDU COND ADMIT TI
6	ADD	EDU PROV ADMIT PRAXIS LETTER	ltrRuleEDUProvAdmitPraxis	JHU_SPSBE_SMS_vwEDUProvAdmitPraxis.sql	EDU PROV ADMIT PRAXIS.doc	EDU PROV ADMIT P
7	ADD	EDU PROV ADMIT PRAXIS_TRANS LETTER	ltrRuleEDUProvAdmitPraxis_Trans	JHU_SPSBE_SMS_vwEDUProvAdmitPraxis_Trans.sql	EDU PROV ADMIT PRAXIS-TRANS.doc	EDU PROV ADMIT P
8	ADD	EDU PROV ADMIT TRANS LETTER	ltrRuleEDUProvAdmitTrans	JHU_SPSBE_SMS_vwEDUProvAdmitTrans.sql	EDU PROV ADMIT TRANS.doc	EDU PROV ADMIT TI
9	CHG	EDU PROVISIONAL ADMIT LETTER	ltrRuleEDUProvisionalAdmit	JHU_SPSBE_SMS_vwEDUProvAdmit.sql	EDU PROV ADMIT.doc	EDU PROVISIONAL /
10						
11						
12						
13						
14						
15						



# COMM GROUP NAME

https://prodsupport.isis.jhu.edu - SCT Matrix Student Suite - Microsoft Internet Explorer

File Help

Back New Window Process Status Auto-Functions Alert Quick Find Search Results Role Password Profile Logout

JOHNS HOPKINS UNIVERSITY

Update Comm. Group

SMS Menu

CMH Configuration

- Academic Periods
- Academic Programs
- Academic Years
- Alerts
- Attachments
- Codes
- Cohorts
- Communication Group
- Degrees
- Departments
- E-mails
- Equipment
- Events
- Index Calculation Configuration
- IPEDS Configuration
- Jobs
- Job Schedules
- Letters
- Locations
- Maintain Counters
- Misc Info Configuration
- Profiles
- Rates
- Reports Configuration
- Requirements / Sets
- Role Permissions
- Rules / Rule Groups
- Status Definitions
- Status Transitions
- Stored Queries
- Test Configuration
- Transaction Code Groups
- Transaction Codes
- Transaction Date Validation
- Types / Subtypes
- User Permissions
- Web Page Configuration
- Year of Study
- Classification Package
- Majors

Application\* SMS

Name\* EDU COND. ADMIT PRAXIS

Zone\* SPSBE

Recipient\* Student

Data Domain\* First Data Domain

☒ Enabled Valid From\* 10-24-2005 Valid To

☒ Automatic ☒ Include in Auto Functions

Rule/Rule Group Name	Type	Priority
CommEDUCondAdmitPraxis	Rule	1

Pass Number\* 1

Description

Notes

\*Required Field

Add Save Cancel

Name	Recipient
EDU COND ADMIT PRAXIS	Student

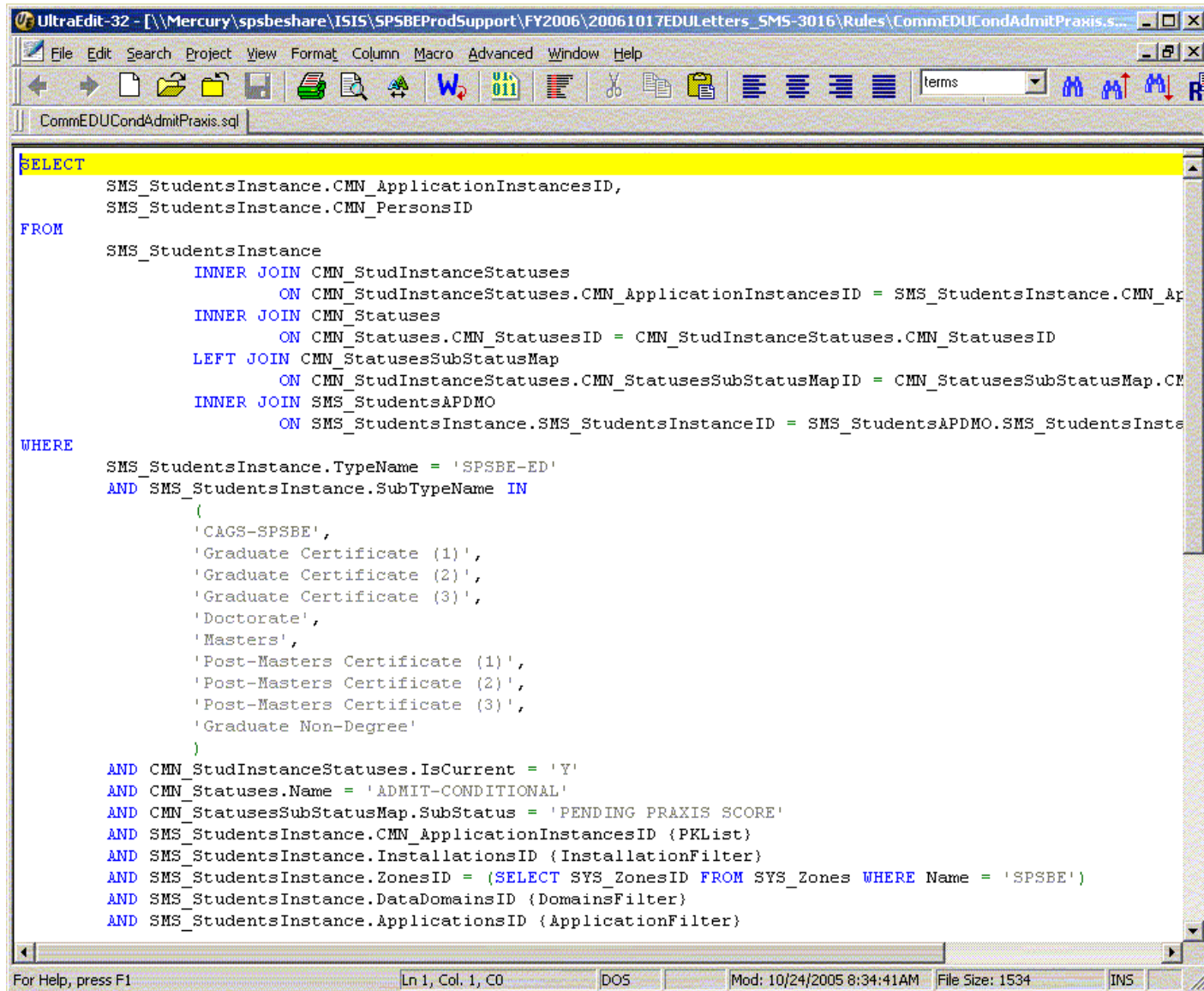
Done

Done

Internet



# CommGroupRule



The screenshot shows the UltraEdit-32 text editor with a SQL query file named 'CommEDUCondAdmitPraxis.sql'. The query is a SELECT statement with various joins and filters. The 'SELECT' keyword and the first two columns are highlighted in yellow. The status bar at the bottom indicates the cursor is at line 1, column 1, and the file size is 1534 bytes.

```
UltraEdit-32 - [\\Mercury\spshare\ISIS\SPSBEProdSupport\FY2006\20061017EDULetters_SMS-3016\Rules\CommEDUCondAdmitPraxis.s...
File Edit Search Project View Format Column Macro Advanced Window Help
CommEDUCondAdmitPraxis.sql

SELECT
    SMS_StudentsInstance.CMN_ApplicationInstancesID,
    SMS_StudentsInstance.CMN_PersonsID
FROM
    SMS_StudentsInstance
        INNER JOIN CMN_StudInstanceStatuses
            ON CMN_StudInstanceStatuses.CMN_ApplicationInstancesID = SMS_StudentsInstance.CMN_Ap
        INNER JOIN CMN_Statutes
            ON CMN_Statutes.CMN_StatutesID = CMN_StudInstanceStatuses.CMN_StatutesID
        LEFT JOIN CMN_StatutesSubStatusMap
            ON CMN_StudInstanceStatuses.CMN_StatutesSubStatusMapID = CMN_StatutesSubStatusMap.CM
        INNER JOIN SMS_StudentsAPDMO
            ON SMS_StudentsInstance.SMS_StudentsInstanceID = SMS_StudentsAPDMO.SMS_StudentsInsta
WHERE
    SMS_StudentsInstance.TypeName = 'SPSBE-ED'
    AND SMS_StudentsInstance.SubTypeName IN
        (
            'CAGS-SPSBE',
            'Graduate Certificate (1)',
            'Graduate Certificate (2)',
            'Graduate Certificate (3)',
            'Doctorate',
            'Masters',
            'Post-Masters Certificate (1)',
            'Post-Masters Certificate (2)',
            'Post-Masters Certificate (3)',
            'Graduate Non-Degree'
        )
    AND CMN_StudInstanceStatuses.IsCurrent = 'Y'
    AND CMN_Statutes.Name = 'ADMIT-CONDITIONAL'
    AND CMN_StatutesSubStatusMap.SubStatus = 'PENDING PRAXIS SCORE'
    AND SMS_StudentsInstance.CMN_ApplicationInstancesID {PKList}
    AND SMS_StudentsInstance.InstallationsID {InstallationFilter}
    AND SMS_StudentsInstance.ZonesID = (SELECT SYS_ZonesID FROM SYS_Zones WHERE Name = 'SPSBE')
    AND SMS_StudentsInstance.DataDomainsID {DomainsFilter}
    AND SMS_StudentsInstance.ApplicationsID {ApplicationFilter}
```

For Help, press F1      Ln 1, Col. 1, C0      DOS      Mod: 10/24/2005 8:34:41AM      File Size: 1534      INS

# LETTER NAME LETTER

https://prodsupport.isis.jhu.edu - SCT Matrix Student Suite - Microsoft Internet Explorer

File Help Back New Window Process Status Auto-Functions Alert Quick Find Search Results Role Password Profile Logout Help

**JOHNS HOPKINS UNIVERSITY**

**Update Letters**

**SMS Menu**

**CMN Configuration**

- Academic Periods
- Academic Programs
- Academic Years
- Alerts
- Attachments
- Codes
- Cohorts
- Communication Groups
- Degrees
- Departments
- E-mails
- Equipment
- Events
- Index Calculation Configur
- IPEDS Configuration
- Jobs
- Job Schedules

**Letters**

- Locations
- Maintain Counters
- Misc Info Configuration
- Profiles
- Rates
- Reports Configuration
- Requirements / Sets
- Role Permissions
- Rules / Rule Groups
- Status Definitions
- Status Transitions
- Stored Queries
- Test Configuration
- Transaction Code Groups
- Transaction Codes
- Transaction Date Validati
- Types / Subtypes
- User Permissions
- Web Page Configuration
- Year of Study
- Classification Package
- Majors

**General Information**

Application: SMS Zone: SPSBE

Name: EDU COND ADMIT PRAXIS LET Data Domain: First Data Domain

Recipient: Student Valid From: 10-24-2005 Valid To:

☒ Enabled

Document Type: Decision Word Processor:

Document Name: EDU COND ADMIT PRAXIS # Special Paragraphs: 0

While sending this letter evaluate addresses in the following order:

01: Temporary 02: Permanent 03:

**Description** **Notes**

**Define Merge Fields**

Letter Query: ltrRuIEDUCondAdmitPraxis Select Query

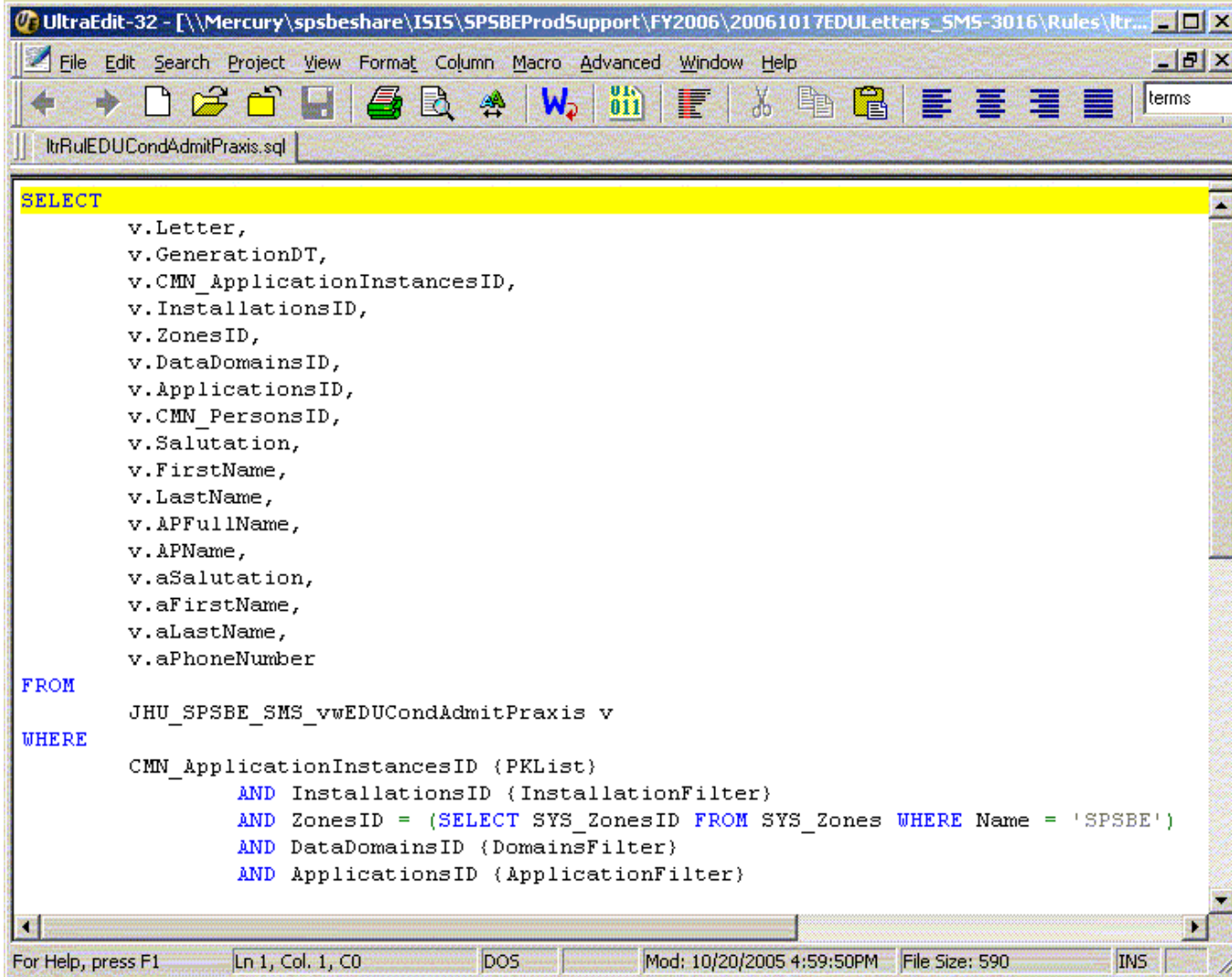
Table Name	Alias	Occurrences
JHU SPSBE SMS vwEDUCondAdmitPrax	v	1

List Fields	Field Alias
Letter	Letter
GenerationDT	GenerationDT
CMN_ApplicationInstancesID	CMN_ApplicationInstancesID
InstallationsID	InstallationsID
ZonesID	ZonesID

Done

Internet

# ItrRuLetterRule

A screenshot of the UltraEdit-32 text editor window. The title bar shows the file path: [\\Mercury\\spsbeshare\\ISIS\\SPSBEProdSupport\\FY2006\\20061017EDULetters\_SMS-3016\\Rules\\Itr...]. The menu bar includes File, Edit, Search, Project, View, Format, Column, Macro, Advanced, Window, and Help. The toolbar contains various icons for file operations and editing. The status bar at the bottom displays 'For Help, press F1', 'Ln 1, Col. 1, C0', 'DOS', 'Mod: 10/20/2005 4:59:50PM', 'File Size: 590', and 'INS'. The main text area contains a SQL query with the following structure:

```
SELECT
    v.Letter,
    v.GenerationDT,
    v.CMN_ApplicationInstancesID,
    v.InstallationsID,
    v.ZonesID,
    v.DataDomainsID,
    v.ApplicationsID,
    v.CMN_PersonsID,
    v.Salutation,
    v.FirstName,
    v.LastName,
    v.APFullName,
    v.APName,
    v.aSalutation,
    v.aFirstName,
    v.aLastName,
    v.aPhoneNumber
FROM
    JHU_SPSBE_SMS_vwEDUCondAdmitPraxis v
WHERE
    CMN_ApplicationInstancesID {PKList}
    AND InstallationsID {InstallationFilter}
    AND ZonesID = {SELECT SYS_ZonesID FROM SYS_Zones WHERE Name = 'SPSBE'}
    AND DataDomainsID {DomainsFilter}
    AND ApplicationsID {ApplicationFilter}
```



# JHU\_SPSBE\_SMS\_vwViewName

```
UltraEdit-32 - [\\Mercury\spsbeshare\ISIS\SPSBEProdSupport\FY2006\20061017EDULetters_SMS-3016\Rules\JHU_SPSBE_SMS_vwEDUCondAdmitPraxis.sql]
File Edit Search Project View Format Column Macro Advanced Window Help
JHU_SPSBE_SMS_vwEDUCondAdmitPraxis.sql

--drop view dbo.JHU_SPSBE_SMS_vwEDUCondAdmitPraxis
--go

CREATE VIEW dbo.JHU_SPSBE_SMS_vwEDUCondAdmitPraxis
AS
SELECT
    'EDUCondAdmitPraxis' as Letter,
    getdate() as GenerationDT,
    SMS_StudentsInstance.CMN_ApplicationInstancesID,
    SMS_StudentsInstance.InstallationsID,
    SMS_StudentsInstance.ZonesID,
    SMS_StudentsInstance.DataDomainsID,
    SMS_StudentsInstance.ApplicationsID,
    Student.CMN_PersonsID,
    Student.Salutation,
    Student.FirstName,
    Student.LastName,
    CMN_APDMO.AcademicProgramFullName as APFullName,
    CMN_APDMO.AcademicProgramName as APName,
    dbo.JHU_SPSBE_SMS_Alternate_CMN_PersonsMisc_Data(Advisor.CMN_PersonsID,'advisor alt sal',Advisor.Salutation) as aSalutation,
    dbo.JHU_SPSBE_SMS_Alternate_CMN_PersonsMisc_Data(Advisor.CMN_PersonsID,'advisor alt fn',Advisor.FirstName) as aFirstName,
    dbo.JHU_SPSBE_SMS_Alternate_CMN_PersonsMisc_Data(Advisor.CMN_PersonsID,'advisor alt ln',Advisor.LastName) as aLastName,
    dbo.JHU_SPSBE_SMS_Alternate_CMN_PersonsMisc_Data(Advisor.CMN_PersonsID,'advisor alt ph',AdvisorPhone.PhoneNumber) as aPhoneN
FROM
    CMN_Persons Student
        INNER JOIN CMN_EntityRelations
            ON Student.CMN_PersonsID = CMN_EntityRelatic
        INNER JOIN CMN_Persons Advisor
            ON Advisor.CMN_PersonsID = CMN_EntityRelatic
        LEFT JOIN CMN_PersonsPhonesLinks
            ON Advisor.CMN_PersonsID = CMN_PersonsPhones
        INNER JOIN CMN_Phones AdvisorPhone
            ON CMN_PersonsPhonesLinks.CMN_PhonesID = Adv
        INNER JOIN SMS_StudentsInstance
            ON Student.CMN_PersonsID = SMS_StudentsInsta
            AND CMN_EntityRelations.SourceSubEntityID =
        INNER JOIN SMS_StudentsAPDMO
            ON SMS_StudentsInstance.CMN_ApplicationInsta
        INNER JOIN CMN_APDMO
            ON SMS_StudentsAPDMO.CMN_APDMOID = CMN_APDE
        WHERE
            SMS_StudentsInstance.TypeName = 'SPSBE-ED'
            AND SMS_StudentsAPDMO.IsPrimary = 'Y'
            AND CMN_EntityRelations.ValidTo IS NULL
            AND CMN_EntityRelations.RelationType IN
                (
                    'Academic Advisor',
                    'Point of Contact'
                )
            AND CMN_PersonsPhonesLinks.PhoneType = 'Work'
            AND CMN_PersonsPhonesLinks.ValidTo IS NULL
            AND SMS_StudentsInstance.CMN_ApplicationInstancesID > 0
            AND SMS_StudentsInstance.InstallationsID > 0
            AND SMS_StudentsInstance.ZonesID = (SELECT SYS_ZonesID FROM
            AND SMS_StudentsInstance.DataDomainsID > 0
            AND SMS_StudentsInstance.ApplicationsID > 0
```

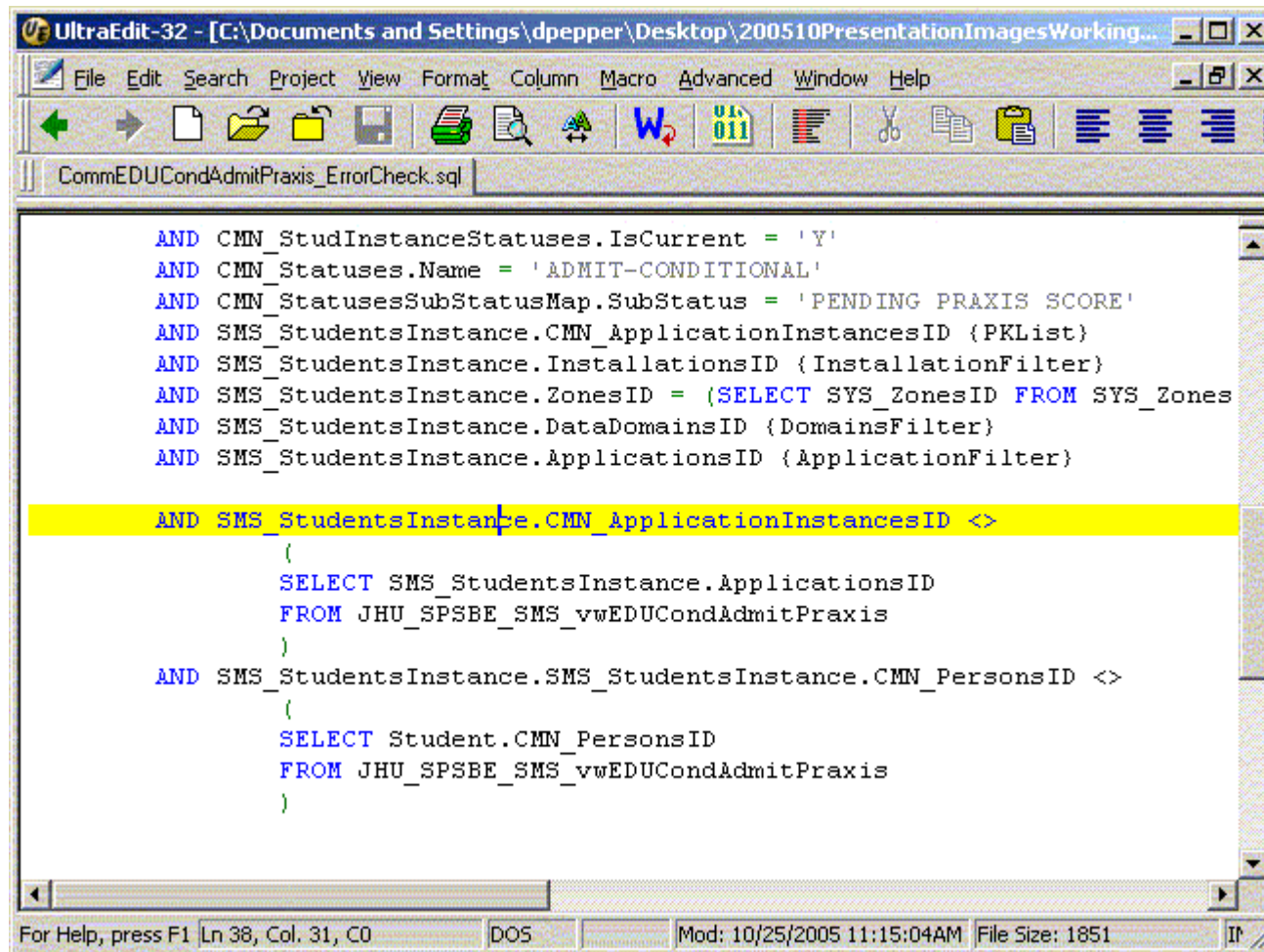


# View Advantages

- Closer to ANSI SQL (T-SQL)
  - Comments
  - More flexibility in aliasing
  - UDFs and Case Statements
- Performance
- ???
- Abstraction of view plays into letter “Error Reporting”

# Alternate Letter: Error Checking

- CommGroupRule\_ErrorCheck



The screenshot shows the UltraEdit-32 application window. The title bar reads "UltraEdit-32 - [C:\Documents and Settings\dpepper\Desktop\200510PresentationImagesWorking...". The menu bar includes File, Edit, Search, Project, View, Format, Column, Macro, Advanced, Window, and Help. The toolbar contains various icons for file operations and editing. The file name in the address bar is "CommEDUCondAdmitPraxis\_ErrorCheck.sql". The main text area contains a SQL script with several lines of code. The line "AND SMS\_StudentsInstance.CMN\_ApplicationInstancesID <>" is highlighted in yellow. The status bar at the bottom displays "For Help, press F1", "Ln 38, Col. 31, C0", "DOS", "Mod: 10/25/2005 11:15:04AM", and "File Size: 1851".

```
AND CMN_StudInstanceStatuses.IsCurrent = 'Y'
AND CMN_Statues.Name = 'ADMIT-CONDITIONAL'
AND CMN_StatuesSubStatusMap.SubStatus = 'PENDING PRAXIS SCORE'
AND SMS_StudentsInstance.CMN_ApplicationInstancesID {PKList}
AND SMS_StudentsInstance.InstallationsID {InstallationFilter}
AND SMS_StudentsInstance.ZonesID = (SELECT SYS_ZonesID FROM SYS_Zones
AND SMS_StudentsInstance.DataDomainsID {DomainsFilter}
AND SMS_StudentsInstance.ApplicationsID {ApplicationFilter}

AND SMS_StudentsInstance.CMN_ApplicationInstancesID <>
(
    SELECT SMS_StudentsInstance.ApplicationsID
    FROM JHU_SPSBE_SMS_vwEDUCondAdmitPraxis
)
AND SMS_StudentsInstance.SMS_StudentsInstance.CMN_PersonsID <>
(
    SELECT Student.CMN_PersonsID
    FROM JHU_SPSBE_SMS_vwEDUCondAdmitPraxis
)
```

# Obstacles and Dead Ends

- SPSBE Auto-Merge Tool Shelved
- Users weren't consistently able to use SMS letters
- Maintenance Proved as hard as implementation



# Alternative Approaches

- JHU Nursing Mail-Merge against Excel Approach (Updated by MS Query)
- JHU ASEN PHP Auto-Merge Online Approach
- JHSPH Crystal Reports Enterprise Approach