

자료탐색 절차에 대한 Structured English Codes

RECEIVE Information Search
GET Approach Method From User
SELECT CASE

CASE 1 (Approach Method = DEAGU Univ. Homepage)

BEGIN IF

IF Homepage Approach Method = DEAGU Univ. App. in Smart Phone THEN
RECEIVE User's Login Request
GET User's Input ID & Password
DO WHILE Login Process

BEGIN IF

IF ID = "User's Input ID" AND PASSWORD = "User's Input Password"
in DEAGU Univ. Homepage Student's DB Server

THEN

SEND Login Result = "Login Allow (Login Time)"
STORE User's Login History in Student's DB Server
RECEIVE User's Information Request
GET User's Search Keyword AND Search Option Request
DO WHILE Information Search Process

BEGIN IF

IF Search Option = "Integrated Search"

THEN

SEND Search Result as User's Search Keyword in DB

ELSEIF Search Option = "Detailed Search"

THEN

SELECT CASE

CASE 1 (Detailed Search Option =
"Full Matching Search")

BEGIN IF

IF Book Information (Publishers, Language,
Data Types, Authors, ETC) =
"User's Search Keyword"

THEN

SEND Search Result in DB

END-IF

CASE 2 (Detailed Search Option =
"Forward Matching Search")

BEGIN IF

IF Book Information (Publishers, Language,
Data Types, Authors, ETC)

LIKE

"User's Search Keyword*"

THEN

SEND Search Result in DB

END-IF

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CASE 3 (Detailed Search Option = "Keyword Search")
BEGIN IF
    IF Book Information (Publishers, Language,
        Data Types, Authors, ETC)
        LIKE
            "*User's Search Keyword*"
        THEN
            SEND Search Result in DB
        END-IF
    END-CASE
END-IF

END-DO-WHILE

ELSEIF Number of User's Failed Login > 5 THEN
    SEND Login Result = "Login Deny. (Login Failed Number : 5)
        Contact Administrator."
    STORE User's Login History in Student's DB Server
ELSE
    SEND Login Result = "Login Fail. Retry (Number of Login Fail)"
    STORE User's Login History in Student's DB Server
END-IF
END-DO-WHILE

ELSEIF Homepage Approached Method = PC in DEAGU Univ. Library THEN
    RECEIVE User's Login Request
    GET User's Input ID & Password
    DO WHILE Login Process
        BEGIN IF
            IF ID = "User's Input ID" AND PASSWORD = "User's Input Password"
                in DEAGU Univ. Homepage Student's DB Server THEN
                SEND Login Result = "Login Allow (Login Time)"
                STORE User's Login History in Student's DB Server
                RECEIVE User's Information Request
                GET User's Search Keyword AND Search Option Request
                DO WHILE Information Search Process
                    BEGIN IF
                        IF Search Option = "Integrated Search" THEN
                            SEND Search Result as User's Search Keyword in DB
                        ELSEIF Search Option = "Detailed Search" THEN
                            SELECT CASE
                                CASE 1 (Detailed Search Option =
                                    "Full Matching Search")
                                    BEGIN IF
                                        IF Book Information (Publishers, Language,
                                            Data Types, Authors, ETC) =
                                            "User's Search Keyword" THEN
                                            SEND Search Result in DB
                                        END-IF
                                    CASE 2 (Detailed Search Option =
                                        "Forward Matching Search")
                                    BEGIN IF
                                        IF Book Information (Publishers, Language,

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Data Types, Authors, ETC) LIKE
"User's Search Keyword*" THEN
SEND Search Result in DB
END-IF
CASE 3 (Detailed Search Option = "Keyword Search")
BEGIN IF
IF Book Information (Publishers, Language,
Data Types, Authors, ETC) LIKE
"*User's Search Keyword*" THEN
SEND Search Result in DB
END-IF
END-CASE
END-IF
END-DO-WHILE
ELSEIF Number of User's Failed Login > 5 THEN
SEND Login Result = "Login Deny. (Login Failed Number : 5)
Contact Administrator."
STORE User's Login History in Student's DB Server
ELSE
SEND Login Result = "Login Fail. Retry (Number of Login Fail)"
STORE User's Login History in Student's DB Server
END-IF
END-DO-WHILE

ELSEIF Homepage Approached Method = Private PC THEN
RECEIVE User's Login Request
GET User's Input ID & Password
DO WHILE Login Process
BEGIN IF
IF ID = "User's Input ID" AND PASSWORD = "User's Input Password"
in DEAGU Univ. Homepage Student's DB Server THEN
SEND Login Result = "Login Allow (Login Time)"
STORE User's Login History in Student's DB Server
RECEIVE User's Information Request
GET User's Search Keyword AND Search Option Request
DO WHILE Information Search Process
BEGIN IF
IF Search Option = "Integrated Search" THEN
SEND Search Result as User's Search Keyword in DB
ELSEIF Search Option = "Detailed Search" THEN
SELECT CASE
CASE 1 (Detailed Search Option =
"Full Matching Search")
BEGIN IF
IF Book Information (Publishers, Language,
Data Types, Authors, ETC) =
"User's Search Keyword" THEN
SEND Search Result in DB
END-IF
CASE 2 (Detailed Search Option =
"Forward Matching Search")

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        BEGIN IF
            IF Book Information (Publishers, Language,
                Data Types, Authors, ETC) LIKE
                "User's Search Keyword*" THEN
                SEND Search Result in DB
            END-IF
        CASE 3 (Detailed Search Option = "Keyword Search")
        BEGIN IF
            IF Book Information (Publishers, Language,
                Data Types, Authors, ETC) LIKE
                "*User's Search Keyword*" THEN
                SEND Search Result in DB
            END-IF
        END-CASE
    END-IF
END-DO-WHILE
ELSEIF Number of User's Failed Login > 5 THEN
    SEND Login Result = "Login Deny. (Login Failed Number : 5)
        Contact Administrator."
    STORE User's Login History in Student's DB Server
ELSE
    SEND Login Result = "Login Fail. Retry (Number of Login Fail)"
    STORE User's Login History in Student's DB Server
END-IF
END-DO-WHILE

END-IF
CASE 2 (Approached Method = User's direct approach the book)
    User approach directly the Book in DEAGU Univ. Library by oneself
CASE 3 (Approached Method = User ask Information to Librarian by Call or Paper)
BEGIN IF
    IF Asked Method = "Call" THEN
        RECEIVE User's Information Request
        GET User's Search Keyword in Call
        BEGIN IF
            IF Librarian search Information directly THEN
                SEND Search Result
            ELSE
                SEND User's Search Method
            END-IF
        ELSEIF Asked Method = "Paper" THEN
            RECEIVE User's Information Request
            GET User's Search Keyword in Paper
            BEGIN IF
                IF Librarian search Information directly THEN
                    SEND Search Result
                ELSE
                    SEND User's Search Method
                END-IF
            END-IF
        END-IF
    END-IF
END-CASE

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자료대출 상태에 대한 Structured English Codes.

RECEIVE Book Search

GET Book Information From User

BEGIN IF

IF Borrow Status the Book = "Enable" THEN

SEND Borrow Status the Book Result = "Enable (Book Location)"

PRINT Borrow Status the Book Result

BEGIN IF

IF Book Location = "Book Storage Location" THEN

RECEIVE Book Search to Librarian

GET Print (Borrow Status the Book Result) from User

SEND the Book to User from Librarian

ELSEIF Book Location = "Book Common Location" THEN

END-IF

BEGIN IF

IF Confirm the Book as Book Search Result = "Yes" THEN

SELECT CASE

CASE 1 (User's Choosing Option = "Borrow")

Borrow the Book

CASE 2 (User's Choosing Option = "Browse")

Browse the Book

CASE 3 (User's Choosing Option = "Copy")

Copy the Book

END-CASE

END-IF

ELSEIF Borrow Status the Book = "Disable" THEN

ELSEIF Borrow Status the Book = "Borrowing" THEN

ELSEIF Borrow Status the Book = "Arrangement" THEN

END-IF