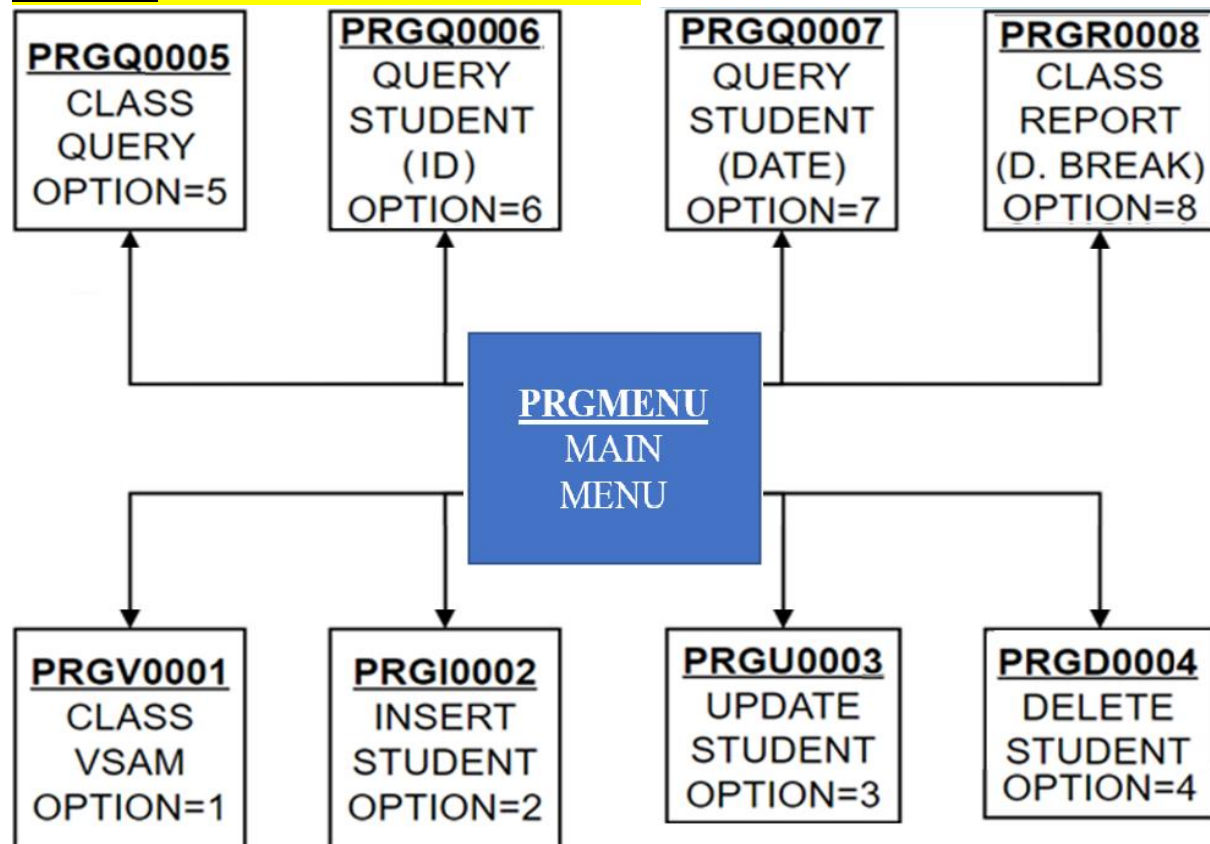


## OVERVIEW – STUDENT REGISTRATION SYSTEM.



**PRGMENU** – program that displays the Main Menu with the options available.

```
+-----+
|           M A I N   M E N U           |
+-----+
|           O P T I O N S                |
+-----+
| 1 - GENERATE VSAM FILE                 |
| 2 - INSERT STUDENT DATA                |
| 3 - UPDATE STUDENT DATA                |
| 4 - DELETE STUDENT DATA                |
| 5 - CLASS QUERY (ALL STUDENTS)          |
| 6 - QUERY STUDENT BY ID                 |
| 7 - QUERY BY DATE OF INCLUSION          |
| 8 - REPORT FILE WITH DATE BREAK         |
| 9 - EXIT                               |
+-----+
CHOOSE YOUR OPTION (1 TO 9) >>
```

**PRGV0001 – program that converts the initial sequential file into VSAM.**



STUDENTSEQUENTIAL - Notepad

File Edit Format View Help

```
ID,NAME,BIRTHDAY,COURSE
0001,MATT THOMAS,19821209,ISPF-JCL
0002,ERIC HENDERSON,20070502,HTML
0003,MEGAN KLINE,19980411,JAVA
0004,DREW ZUCKER,19890705,SQL
0005,KATIE BRADLEY,19900921,LINUX
0006,KATHIE HAMPTON,19830412,PYTHON
0007,BRIAN KNAPP,19980719,COBOL
0008,MANASSES YODER,19840807,C++
0009,ZHARAA KHALIL,19950425,DB2
```

**PRGQ0005 – program that queries all the students.**

C L A S S   R E P O R T					
ID	STUDENT NAME	BIRTHDAY	COURSE	INSERT DATE	UPDATE DATE
0001	MATT THOMAS	19821209	ISPF-JCL	20230628	00000000
0002	ERIC HENDERSON	20070502	HTML	20230628	00000000
0003	MEGAN KLINE	19980411	JAVA	20230628	00000000
0004	DREW ZUCKER	19890705	SQL	20230628	00000000
0005	KATIE BRADLEY	19900921	LINUX	20230628	00000000
0006	KATHIE HAMPTON	19830412	PYTHON	20230628	00000000
0007	BRIAN KNAPP	19980719	COBOL	20230628	00000000
0008	MANASSES YODER	19840807	C++	20230628	00000000
0009	ZHARAA KHALIL	19950425	DB2	20230628	00000000
TOTAL STUDENTS : 9					

**PRGI0002 – program that includes students.**

```
+-----+
|  A D D   N E W   S T U D E N T  |
+-----+
```

ENTER FULL NAME (MAX 25 CHARS) >>

ALEXANDRE LAZARI

ENTER BIRTHDAY (YYYYMMDD) >>

19810212

ENTER COURSE (MAX 15 CHARS) >>

COBOL

**PRGU0003 – program that updates students.**

```
+-----+
|  U P D A T E   S T U D E N T  |
+-----+
```

ENTER THE 4 DIGIT STUDENT ID >>

1

<--- STUDENT TO BE UPDATED --->

ID	STUDENT NAME	BIRTHDAY	COURSE	INSERT DATE	UPDATE DATE
0001	MATT THOMAS	19821209	ISPF-JCL	20230324	00000000

ENTER THE DETAILS TO BE CHANGED

NEW STUDENT NAME(MAX 25 CHAR) - SPACE TO SKIP >>

ALEXANDRE LAZARI

NEW BIRTHDAY(YYYYMMDD) - SPACE TO SKIP >>

19810212

NEW COURSE NAME(MAX 15 CHAR) - SPACE TO SKIP >>

COBOL

<---- UPDATED STUDENT DETAILS ----->

ID	STUDENT NAME	BIRTHDAY	COURSE	INSERT DATE	UPDATE DATE
0001	ALEXANDRE LAZARI	19810212	COBOL	20230324	20230324

**PRGD0004 – program that deletes students.**

```
+-----+
|      DELETE STUDENT DETAILS      |
+-----+
```

ENTER STUDENT ID (MAX 4 DIGITS) >>

1

```
+-----+
| ID | STUDENT NAME | BIRTHDAY | COURSE | INSERT DATE | UPDATE DATE |
+-----+
| 0001 | ALEXANDRE LAZARI | 19810212 | COBOL | 20230324 | 20230324 |
+-----+
```

ARE YOU SURE TO DELETE THE ABOVE STUDENT(Y/N)? >>

Y

<<----- DELETED THE ABOVE STUDENT ----->>

**PRGQ0006 – program that queries a student data by ID.**

```
+-----+
|      QUERY STUDENT BY ID      |
+-----+
```

ENTER STUDENT ID (MAX 4 DIGITS) >>

**PRGQ0007 – program that queries student data by date of inclusion.**

```
+-----+
|   QUERY STUDENT BY DATE OF INCLUSION   |
+-----+
```

ENTER THE DATE OF INCLUSION (YYYYMMDD) >>  
20230324

LIST OF STUDENTS INCLUDED ON: 03/24/2023

ID	STUDENT NAME	BIRTHDAY	COURSE	UPDATE DATE
0002	ERIC HENDERSON	20070502	HTML	00000000
0003	MEGAN KLINE	19980411	JAVA	00000000
0004	DREW ZUCKER	19890705	SQL	00000000
0005	KATIE BRADLEY	19900921	LINUX	00000000
0006	KATHIE HAMPTON	19830412	PYTHON	00000000
0007	BRIAN KNAPP	19980719	COBOL	00000000
0008	MANASSES YODER	19840807	C++	00000000
0009	ZHARAA KHALIL	19950425	DB2	00000000

TOTAL RECORDS : 8

**PRGR0008 – program that generates report files with *course break*.**

C L A S S   R E P O R T				
COURSE: ISPF-JCL				
ID	STUDENT NAME	BIRTHDAY	INSERT DATE	UPDATE DATE
0001	MATT THOMAS	19821209	20230705	00000000
0002	ERIC HENDERSON	20070502	20230705	00000000
0003	MEGAN KLINE	19980411	20230705	00000000
COURSE: SQL				
ID	STUDENT NAME	BIRTHDAY	INSERT DATE	UPDATE DATE
0004	DREW ZUCKER	19890705	20230705	00000000
0005	KATIE BRADLEY	19900921	20230705	00000000
0006	KATHIE HAMPTON	19830412	20230705	00000000
0007	BRIAN KNAPP	19980719	20230705	00000000
COURSE: DB2				
ID	STUDENT NAME	BIRTHDAY	INSERT DATE	UPDATE DATE
0008	MANASSES YODER	19840807	20230705	00000000
0009	ZHARAA KHALIL	19950425	20230705	00000000

TOTAL STUDENTS : 9