Principal / Administrator

1. Verify Account

Accounts

Database

1. View Class Record
2. Manage Class Data
3. Save Class Data
4. Update Database
5. Display Update

Class Database

Administrator Information

Sign In Information

Administrator Account

Class Information

Class Information

Class Information

Class Information

Updated Class Information

New Class Information

Accounts

Database

Sign In Information

User Information

1. Verify Account

Subject

Teacher

Teacher’s Account

Subject Information

Updated Class Record

1. View Class Record

Subject Information

1. Display Update

Class Record

Database

1. Manage Class Record

Class Record

Class Record

1. Save Class Record
2. Update Database

Class Record

New Class Record

Class Record Database

**Exploded Data Flow Diagram (DFD) for the Subject Teacher**

Class

Adviser

1. Verify Account

Accounts

Database

1. View Class Record
2. Display Records

Class Record Database

User Information

Sign In Information

Adviser’s Account

Class Record

Consolidated Class Record

**Exploded Data Flow Diagram (DFD) for the Class Adviser**

1.0

Verify Account

Teacher

2.0

Select Section

Accounts Database

Sections Database

4.0

View Subject

6.0

View Grades

5.0

View Students

Subjects Database

Students Database

Grades Database

7.0

Manage Student Grades

8.0

Save Student Grades

10.0

Display Update

Teacher Information

Teacher‘s Account

Sign In Information

Section

Section Information

Subject Information

Student Information

Subject

Student Grades

Grade Information

Student Grades

9.0

Update Database

New Student Grades

Student Grades

Updated Student Grades

Student Grades

1.0

Verify Account

Adviser

Adviser Information

Adviser’s Account

2.0

View Subject

3.0

View Students

4.0

View Grades

5.0

Display Student Grades and Ranking

Subjects Database

Students Database

Grades Database

Sign In Information

Student Grades and Ranking

Student Information

Student Grades and Ranking

Grade Information

Subject Info

Subject Info

Sign In Information

Account, Section, Subject, Student Information

Accounts Database

Principal’s Account

Principal Information

1.0

Verify Account

Subject Info

Subject Info

Grade Information

Student Grades and Ranking

Student Information

Student Grades and Ranking

Account, Section, Subject, Student Updated Information

New Section Information

New Account Information

New Subject Information

New Student Information

Student Database

Subject Database

Section Database

Accounts Database

Account, Section, Subject, Student Information

Account, Section, Subject, Student Information

Account, Section, Subject, Student Information

Student Information

Subject Information

Section Information

Account Information

Grades Database

Students Database

Subjects Database

13.0

Display Updates

12.0

Update Database

11.0

Save Updates

5.0

Display Student Grades and Ranking

Students Database

10.0

Select Student

4.0

View Grades

3.0

View Students

Subjects Database

Sections Database

Accounts Database

7.0

Select Teacher

9.0

Select Subject

2.0

View Subject

8.0

Select Section

6.0

Manage Database

Principal