

SMART STUDENT EVALUATION SYSTEM

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PYTHON ONLINE CLASS – version 3

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1 Entity Changes

1.1 Subject Entiry

- Subject id has the format of **SB<number>**. For example SB334.
- When a subject is added into the system a ID is generated by system and show to user as a printed statement:

Subject is added into the system, Subject id is SB4456.

1.1.1 Method signature changes

modify_subject <id> <new_name> <new stream>

remove_subject <id>

help_subject <id>

1.2 Student Entiry

- Student id has the format of **ST<number>**. For example ST334.
- When a student is added into the system a ID is generated by system and show to user as a printed statement:

Student is added into the system, Student id is SB4456.

1.2.1 Method signature changes

1.2.2 modify_student <id> <new_name> <new dob>

1.2.3 remove_student <id>

1.2.4 help_student <id>

1.3 Teacher Entiry

- Teacher id has the format of **TC<number>**. For example TC334.
- When a teacher is added into the system a ID is generated by system and show to user as a printed statement:

Teacher is added into the system, Teacher id is TC4456.

1.3.1 Method signatures

1.3.2 add_teacher <name> {<subject id list>} <dob> <stream>

subject id list- comma separated list of IDs of subjects the teacher can teach

- 1.3.3 modify_teacher <id> <new_name> {<new subject id list>} <new_dob> <new_stream>
- 1.3.4 remove_teacher <id>
- 1.3.5 help_teacher <id>

1.4 Class Room Entry

- Class Room id has the format of **CR<number>**. For example CR334.
- When a Class Room is added into the system a ID is generated by system and show to user as a printed statement:

Class Room is added into the system, Class Room id is CR4456.

1.4.1 Method signatures

1.4.2 add_class_room <name> <capacity> <location>

name - a number and a single Capital letter (ex: 7-B)

1.4.3 modify_class_room <id> <new_name> {<new subject id list>} <new_dob> <new_stream>

1.4.4 remove_class_room <id>

1.4.5 help_class_room <id>

2 New Relationships

- One Teacher can own only one classroom. No two classrooms can be shared by in same student. A classroom cannot have students more than its capacity.
- Assign a class room to a teacher using **add_class_teacher <teacher id> <class room id>**. Assign a student to a class using **add_student_class <student id> <class id>**. Show proper error messages when operation fails.
- Use **show_class_students <class id>** and **show_teacher's_students <teacher id>** to demonstrate data.

3 Data Storage Changes

When user exit from the system, save all the data into files and store permanantly. When user logs into the system again , load all previous data from file.