SMART STUDENT EVALUATION SYSTEM

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PYTHON ONLINE CLASS – version 1

Contents

1 Introduction

A school need a system on keep annual grades and achievements of each student as a digital information. End goal is to automatically evaluate the improvement of each student nad notify to responsible parties. As the first version, teachers would like to see a system that can store students details. This is a CMD alpplication (command line interface).

2 Main screen

After initiation, software shows following message to user (either a teacher or student)

```
*******************************************************************************************************
*******************************************************************************************************

******************************Welcome to Smart student evaluation System******************************

*******************************************************************************************************

 *******************************************************************************************************
```

3 Main Commands

3.1 add_student

3.1.1 syntax

add_student <student_name>

3.1.2 operations

keep a note about the student name until application terminates. Two students from same name can not exist. Student name should be single word with no spaces, numbers included. Name is case sensitive.

3.1.3 Error messages

3.1.3.1 Two students can not have same name

3.1.3.2 Student name have should have no white spaces

3.1.3.3 Student name should not have numbers included

3.1.3.4 Invalid syntax press 'help –' to check valid command list

3.2 remove_student

3.2.1 syntax

remove_student <student_name>

3.2.2 operations

remove a student name from application.

3.2.3 Error messages

3.2.3.1 Student with <student_name> does not exist

3.2.3.2 Student name have should have no white spaces

3.2.3.3 Student name should not have numbers included

3.2.3.4 Invalid syntax press 'help –' to check valid command list

3.3 add_mark

3.3.1 syntax

add_mark <student_name> <student_score>

3.3.2 operations

Keep a note about the student's score until application terminates. Once score added, it can not be modified.

3.3.3 Error messages

3.3.3.1 Student <student_name> already has a score

3.3.3.2 Student name have should have no white spaces

3.3.3.3 Student name should not have numbers included

3.3.3.4 Student mark should be a number

3.3.3.5 Student mark should be greater than zero

3.3.3.6 Student mark should be less or equal to 100

3.3.3.7 Invalid syntax press 'help –' to check valid command list

3.4 remove_mark

3.4.1 syntax

remove_mark <student_name>

3.4.2 operations

Clear student's score. After clearing score , user can add it again.

3.4.3 Error messages

3.4.3.1 Student <student_name> has no score to clear

3.4.3.2 Student name have should have no white spaces

3.4.3.3 Student name should not have numbers included

3.4.3.4 Invalid syntax press 'help –' to check valid command list

3.5 Show_summary

3.5.1 syntax

show_summary

3.5.2 operations

Show all students and their marks in a printed table. A sample table is provided.

```
=================
|    Name     | Score |
=================
|    Nimal    |   80    |
| Kamalasiri |   90    |
```

3.5.3 Error messages

3.5.3.1 Invalid syntax press 'help –' to check valid command list

3.6 help

3.6.1 syntax

help

3.6.2 operations

Show syntax, operation description, details of each error message of all the available commands.

3.6.3 Error messages

3.6.3.1 Invalid syntax press 'help –' to check valid command list

3.7 exit

3.7.1 syntax

exit

3.7.2 operations

Exit the application showing following message.

```
******************************************************************************************************
******************************************************************************************************

*************************************Good Bye !! Have a nice day***********************************

******************************************************************************************************

******************************************************************************************************
```

3.7.3 Error messages

3.7.3.1 Invalid syntax press 'help –' to check valid command list