code.sprint MT

TASK BOOKLET

- Bootcamp Session -

Secondary Category

2019

MY SAY

The local council of Ħal Franka has decided to implement an electronic voting system called MySay for its residents. Each resident will be registered in the system and given a password for logging in to the system.

The vote will concern a very sensitive issue regarding changing one of the locality's open spaces into parking lot due to an increase of the locality's population. You have been tasked with creating this system according to the rules below:

Program Rules:

- The system has two menus, a Log In screen and a Main Menu as shown in table 1 below.
- Residents must be logged in to be able to vote.
  - To log in, residents must enter their ID number and password. *A proper message is displayed when the ID number and/or password are not correct*.
  - The username IS NOT case sensitive, and the password IS case sensitive.
- To vote, residents must enter 'Y' for YES and 'N' for NO *(not case sensitive)*.
- When a vote is recorded:
  - a proper message should be displayed if the vote is invalid. In such case, the resident is asked to resubmit vote.
  - A proper message is displayed showing that the vote was successfully recorded.
- Every resident can vote only ONE time. The 'Vote' option in the main menu is therefore accessible only if the resident has not voted. *A proper message must be displayed if resident has already voted*.
- To sign out, the resident must enter the assigned password. *A proper message is displayed if password in not correct*.
- The Sign-Up option is accessible to those who are not yet registered in the system.
  - When the Sign-Up option is chosen, the user is asked to enter the ID Number.
  - If the entered ID number is not yet recorded in the system (as per table 2), the resident will be provided with an auto generated password. A proper message should be displayed if the ID number is already registered.
  - The password must be a 4-digit code which has not yet been assigned to any other resident

---

Log-In Screen	
Option	**Description**
Log In	Residents must be logged-in to proceed to the Main Menu. To log in, residents must enter their ID Number and the assigned password. *(Details of the registered residents is shown in **Table 2**)*
Sign Up	Residents who are not yet registered in the system can register here.
Exit	Terminates the program.

Main Menu	
Option	**Description**
Vote	Allows the resident to vote. The voting question is: *"Do you agree with the proposal to convert St Mark square to a parking lot?'*
Show Result	The total number and percentage value of YES's and NO's received from residents are displayed.
Sign Out	Allows a logged-in resident to sign out and return to the Log-In Screen. *(Details of the current registered cashiers is shown in Table 2)*

Table 1: System Menus

Registered Cashiers	
ID	Password
1265804L	2312
7654389M	4571
0981296M	6941
0056700L	4509
1234567M	2159
3548503L	3511
6576978M	5558
0006765M	4187
0455784M	9224

Table 2: Registered Residents

Name the class containing the main method **RunApp**

Submit your program in a folder called **MySay_Name**

e.g. MySay_Peter

ICE Malta

eSkills
eSkills Malta Foundation

MANNARINU

CATERERS