

PRACTICAL TEST- Spring 2023

1

SUBJECT: Pro192

Duration: 120 minutes

STUDENT INFORMATION

Name:		Roll number:	
Room No:		Class:	

FOR STAFF ONLY

MARK	QUESTIONS	Signature of Proctor

Question:

Title

Doctor management program.

Background

N/A

Program Specifications

Write a program to manage the doctor information below:

Display the menu:

1. Add Doctor
 2. Update Doctor.
 3. Delete Doctor
 4. Search Doctor.
 5. Sort List of Doctor.
 6. Exits
- If the user chooses 1 then add one record to data including Code(String), Name(String), Specialization(String), Availability(int).
 - If user chooses 2: then request enter the code. If it does not exist Code, the notification "Doctor code does not exist". Otherwise user can edit of the remaining information. If Information is blank then not change old information.
 - If user chooses 3: the Code requires the user to enter Code and delete information if Code exists, if Code does not exist,, the notification "code does not exist Doctor".
 - If user chooses 4: require user to enter search strings, search and returns the list for users.
 - If user chooses 5: sort the list of Doctor.

Function details:

Function 1: Display GUI and Input Data.

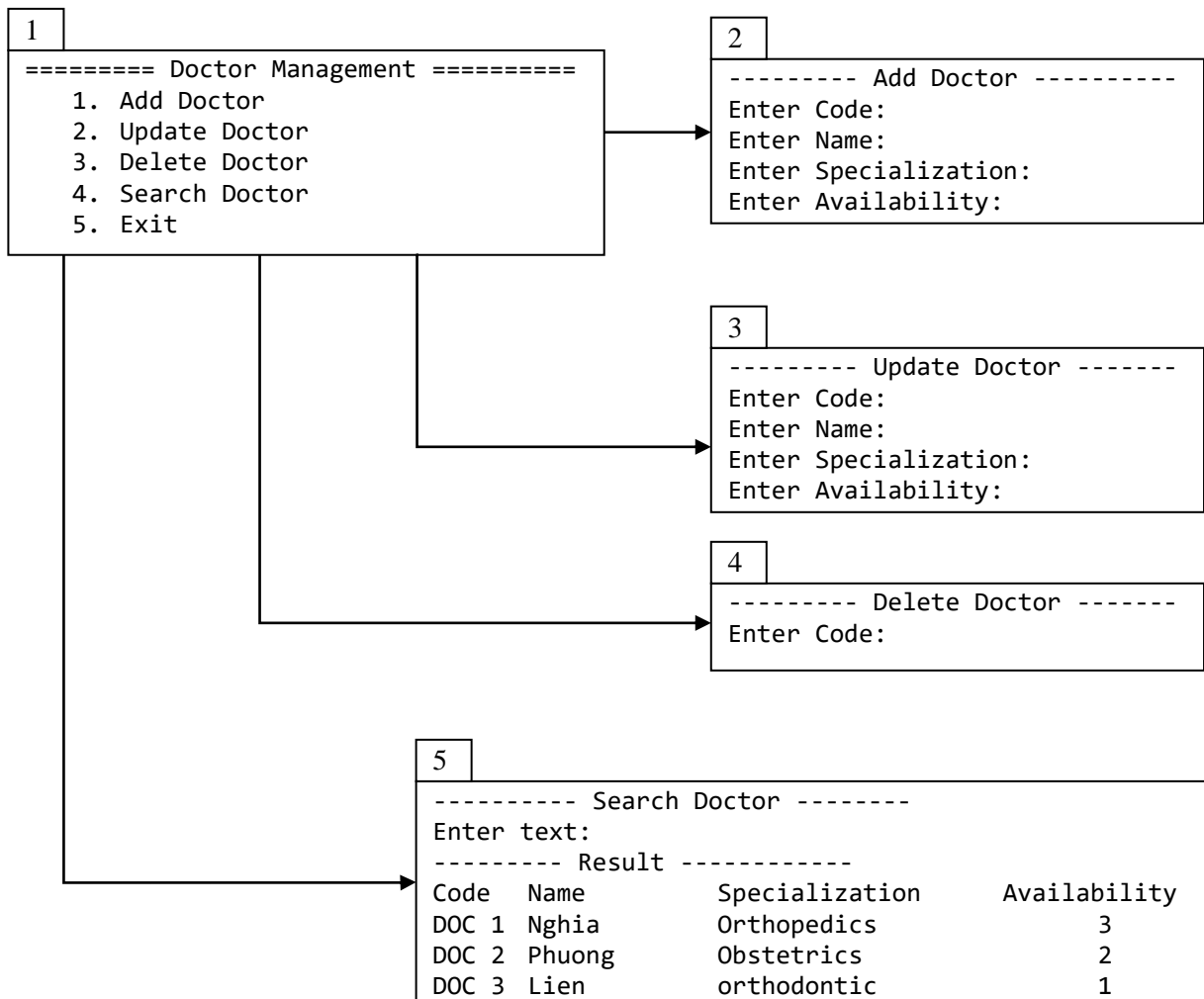
- User runs the program. The program prompts users input Data.

- Auto next **Function 2.**

Function 2: Perform function based on the selected option.

- Option 1: Add Doctor
 - Require to enter task information including “code, name, specialization, availability”.
 - Check the valid data following conditions:
 - Code is not null or duplicate in the DB.
 - Add Worker to the program.
 - Return to the main screen.
- Option 2: Update Doctor
 - Require to enter Code (id) and the data to be modified.
 - Check the valid data with the conditions below:
 - Code (id) must exist in the DB.
 - Update Doctor in the program.
 - Return to the main screen.
- Option 3: Delete Doctor
 - The requirement to enter Code (id).
 - Check valid data with the conditions below:
 - Code(id) must exist in the DB.
 - Delete the doctor information.
 - Return to the main screen.
- Option 4: Search Doctor.
 - Require to enter strings to search.
 - Search data and display on the screen
 - Return to the main screen.
- Option 5: Sort the list of Doctor.
- Option 6: Exits

Expectation of User interface:



Guidelines

Student must implement methods

- addDoctor
- updateDoctor
- deleteDoctor
- searchDoctor
- sortDoctor