Hospital Management System

PROJECT BY

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Question

- Hospital Management System:-
- A Hospital Management system is a system where all the details of the patients and respective doctors treating them are stored. Like patient_id, patient_name, doctor_id, doctor_name, ward_no, date_of_arrival, disease_found, type_of_ward, treatment_type(severe, general), treated_by_doctor Here a small part of implementation has to be done which are as:-
- Create a class called hospital_mgmt with above attributes and store the database for 20 patients and 8 doctors treating them.

  Specific task Group Member-1
- 1. Display all the patients who are treated by doctor 'Dr Sharma'.
- 2. Display all the patients who are undergoing treatment for 'Asthama'.
- 3. Display all doctors who are treating 'severe' patients.

  Specific task Group Member-2
- 4. Display all the patients names along with the doctors treating them in ascending
- order.
- 5. Display all the pateints category wise according to the ward type.
- 6. Display all the patients category wise according to disease found.

  Specific task Group Member-3
- 7. Display all the doctors along with their current treatment_type
- 8. Display all the patients with respective doctors and date_of_arrival and ward_no.

Description

- This project is about management system for a hospital.
- It includes saving and using data in a file
- Displaying the data according to required specifications
- Managing data for each and every patient and doctor.
- Following concepts have been used in the program:-
  1. File Handling
  2. class and objects.

Header files

- Iostream
- Stdio
- String
- Fstream

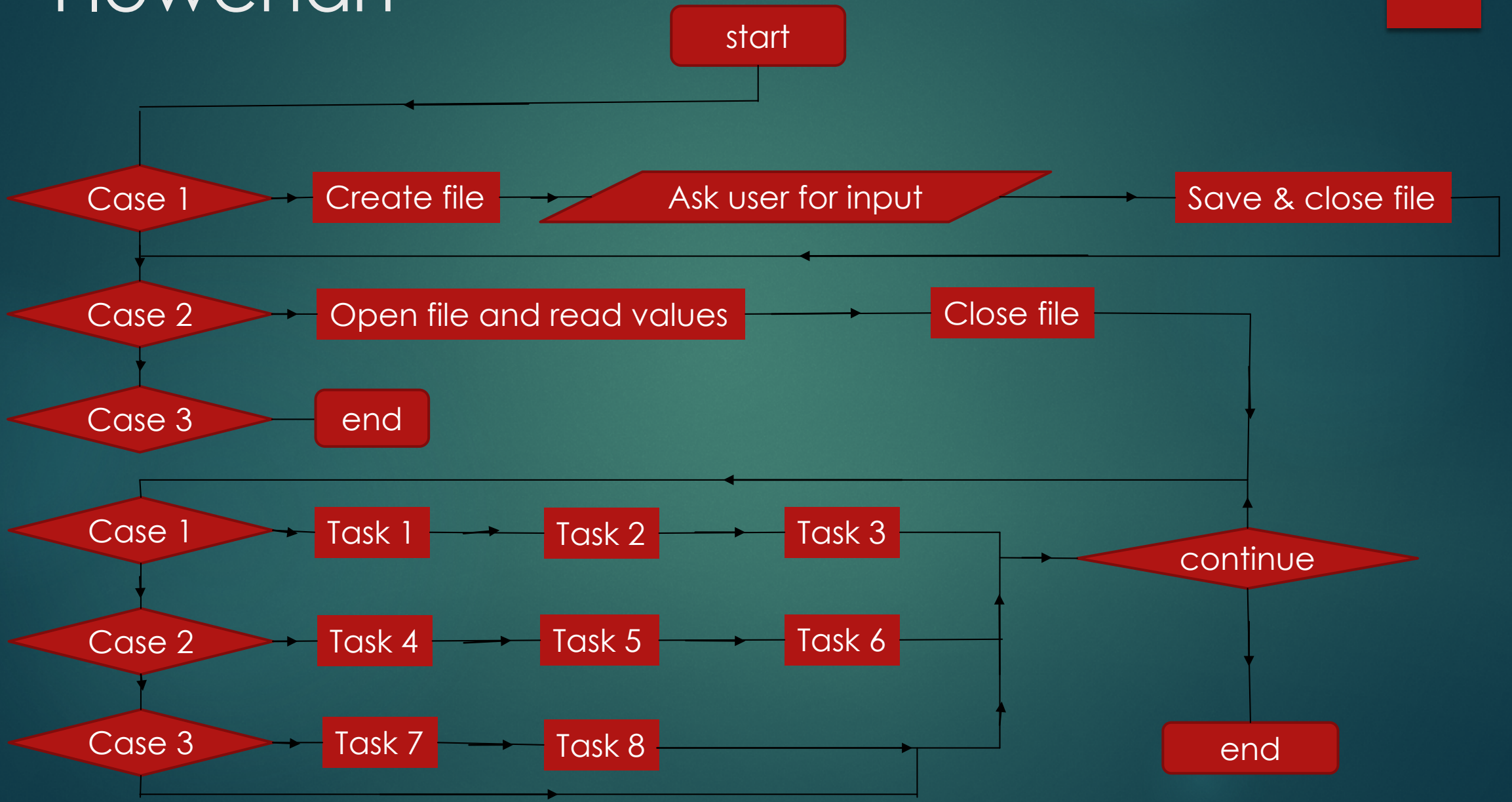
functions

- Display_patient()
- Display_doctor()

Algorithm

- Step 1: start
- Step 2: create a class and declare variables required and the functions used.
- Step 3: In main function create object and declare any extra variables used.
- Step 4:create a file and ask user for input to the variables which are stored in the file. Save and close the file
- Step 5: open the file in read mode and store the values in required variables. Close the file.
- Step 6: carry out the specific task required. Display the output of those tasks.
- Step 7: end.

Flowchart


start
Case 1
Create file
Ask user for input
Save & close file
Case 2
Open file and read values
Close file
Case 3
end
Case 1
Task 1
Task 2
Task 3
continue
Case 2
Task 4
Task 5
Task 6
Case 3
Task 7
Task 8
end

THANK YOU