

Date 01.02.2021	Patient Management System
Revision 1.1	
Page 1 of 4	

Patient Management System

Work Instruction

Initial Version

Revision history

Revision	Date	Prepared by	Reviewed by	Remarks
1.1	01.02.2021	Vanchinathan Ganesan	Max Mustermann	Initial Version

Date 01.02.2021 Revision 1.1 Page 2 of 4	Patient Management System
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Table of Contents

1	Purpose and scope of this document	3
2	Background.....	3
3	Working	3
3.1	'Database'	3
3.2	Main menu.....	3
3.2.1	Add a new Record	3
3.2.2	Edit a record	3
3.2.3	Delete a record	3
3.2.4	List all patients (records).....	3
3.2.5	Search	3
3.2.6	Exit.....	3
3.3	Points to note	3
4	Class Diagram.....	4
5	Future Improvements	4
6	References	4
7	Acronyms & Definitions	4

Date 01.02.2021	Patient Management System
Revision 1.1	
Page 3 of 4	

1 Purpose and scope of this document

The purpose of this document is to provide a Work Instruction for the functioning of the Patient Management System.

2 Background

This System has been developed for Dr. Andrea Schimmelpfenning's office.

3 Working

3.1 'Database'

The complete database of all patients has been stored under the text file "Patient_List.txt". This can be implemented into a Database in future releases.

Each patient entry has the following details in its record.

- First Name
- Last Name
- Insurance Number (Versicherungsnummer)
- Age
- Blood Group

3.2 Main menu

The Main menu consists of options for different functions in maintaining the patient list.

3.2.1 Add a new Record

Option 1 allows us to add a new entry i.e. a new patient to the archive.

3.2.2 Edit a record

Option 2 allows us to edit an entry from the new patient.

In this case, the specified entry is removed completely and is added newly. This can be improved in further releases.

3.2.3 Delete a record

Option 3 allows us to delete an entry of a new patient based on the first name.

Note that if there are multiple patients with a common first name, they will all be deleted.

3.2.4 List all patients (records)

This option lists all the records in the archive.

3.2.5 Search

Option 5 searches for a specific record based on the first name.

3.2.6 Exit

This option exits the set up.

3.3 Points to note

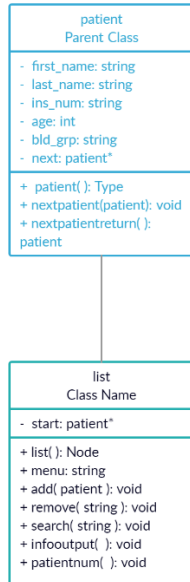
For the proper functioning of the management software, the following points are to be noted.

- In case of search and delete functions, it is pertinent to enter the names from the list. Please note that the names are case sensitive.

Date 01.02.2021	Patient Management System
Revision 1.1	
Page 4 of 4	

4 Class Diagram

The class diagram can be as follows:



5 Future Improvements

It is clearly seen that the search is based on the first name. This can be improved in a way that the search, delete and edit functions can be sought by other parameters of the patient class.

The edit function can be improved upon where only necessary data needs to be added and that the entire record need not be included once again.

Dependency on case of alphabets in first and last name can be removed.

Instead of a text document, a database can be built up from the ground up where the objects can be handled easier.

6 References

Reference	Title
[1]	https://en.cppreference.com/w/

7 Acronyms & Definitions

Acronym / Term	Full Form / Definition