

Team-04

# Medical Assistant . . . .

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# Description



- This project discusses about the **Online Medical Assistance.**

- This system is **split into three main parts** that comprise of Patient's Registration and creating patient's ID, diagnosis and display list of possible disease consistent with the symptoms entered by user and display accurate symptoms based on the disease entered by patient or user.



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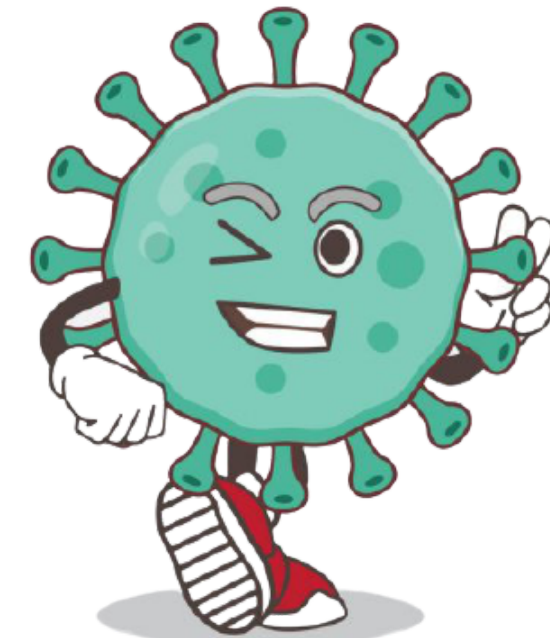
Roll No.- 20CSU299

# Significance . . . .



## Definition of done

- Ø Reduces cost and time significantly.
- Ø More flexible and provide a higher level of service.
- Ø Patient can get 24 hour access.
- Ø Can offer services to a large number of patient residing anywhere in world.
- Ø Helps to formulate an efficient and reliable healthcare plan.



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# Let's begin!

o o o o

Are you ready?

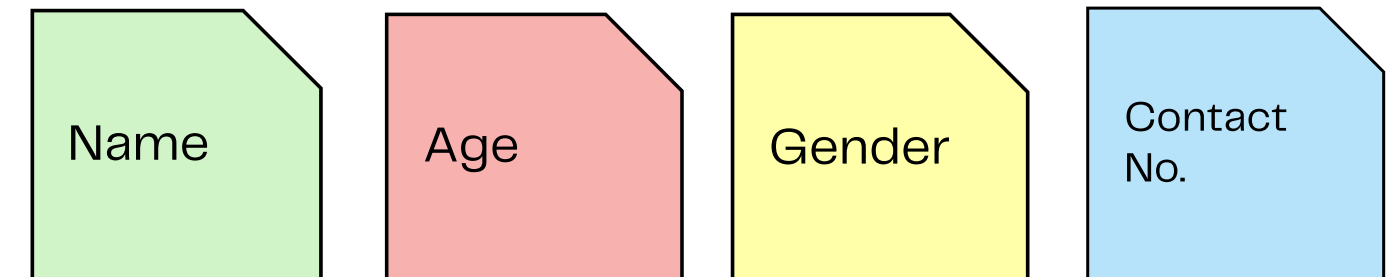
# Overview



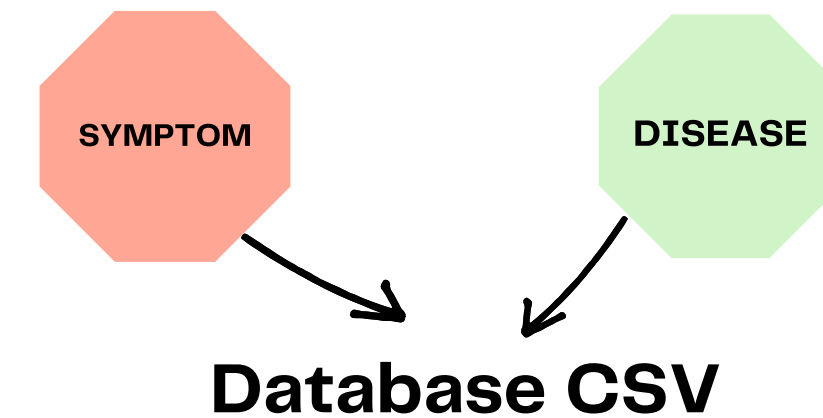
This project is about a medical database which consists of two files consisting of symptoms and diseases .It will give all the related diseases to the entered symptoms .Before this it will check all the validations like name gender etc

**1** Welcome Screen

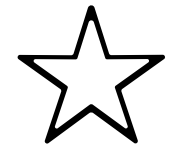
**2** Validation Check



**3** Menu



# Welcome Screen . . . .



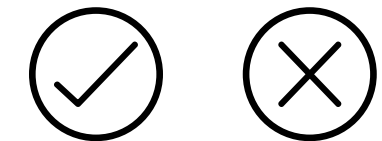
## Registration Panel

If the Validations are successful, a random Medical ID is generated and then the code proceeds

```
+++++
|                                     |
|               WELCOME              |
|               TO                   |
|               MEDICAL ASSISTANT     |
|                                     |
+++++
Welcome to the Registration Panel

Enter patient name: Prothom
Enter age: 19
Enter gender(m/f): M
Enter contact number: 8130057408
=====
Registration successful and your patient id is:516
=====
press 1 to continue
```

# Validations



Name

**Name should  
consist of letter  
A-Z and a-z**



Age

**Age should  
be greater  
than 0 and  
less than 100**



Gender

**The user  
should enter  
only  
'M','m','F','f'.**



Contact

- The contact no.  
should  
not contain values  
more than 10.
- No. could have 0 or  
91 in  
starting other than  
the 10 digits.
- No. could have "+"  
before 91



# Menu



## Symptom

- Chest pain
- Shortness of breathe
- Cough
- Vomiting
- Fatigue
- Sweating
- Loss of appetite
- Unconsciousness
- Fainting
- Headache

## Disease

- Heart attack
- Pneumonia
- Lung cancer
- Bladder diseases
- Liver diseases
- Skin cancer
- Headache disorder
- Osteoatharitis
- Anorexia nervosa
- Gallstones

```
Enter Symptom
```

```
cough
```

```
Symptom found
```

```
Diseases associated with cough are:
```

```
*asthama
```

```
*gastoesophagea
```

```
*pneumonia
```

```
=====
```

**As the user enters the symptom,  
it gives the list of all the diseases  
related to it.**

```
Enter disease
```

```
gallstones
```

```
Disease Found
```

```
**SYMPTOMS RELATED TO GALLSTONES**
```

```
GALLSTONES
```

```
*chronic vomiting
```

```
*heartburn or acid reflux
```

```
*unusual abdominal swelling
```

```
*bleeding from rectum
```

```
*change in bowel habits
```

**As the user enter the disease,  
it gives all the symptoms of that  
particular disease.**

# PROJECT DIRECTORY STRUCTURE

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The project directory structure explains all subdirectories and files to be kept into particular sub directory.

- 1

Configs- This folder contains config subfolder.  
> constants  
>exception.properties
- 2

Csv- This folder contains CSV file
- 3

Src- This folder should contain different packages and source files based on their actions.
- 4

Txt- This folder contains different Symptoms and Disease



## Exceptions

- Unrecognized Disease Exception
- Unrecognized Symptom Exception
- Empty File Name Exception
- Missing Extension Exception
- Csv Only Exception
- Long File Name Exception
- Special Character Exception

## Input

- Csv writer
- Find
- Show Output
- Screen Clear

## Menu

- Main

## Validations

- Age Validation
- Gender Validation
- Contact Number Validation
- Patient Name Validation

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# Thank you!

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Have a great  
day ahead.