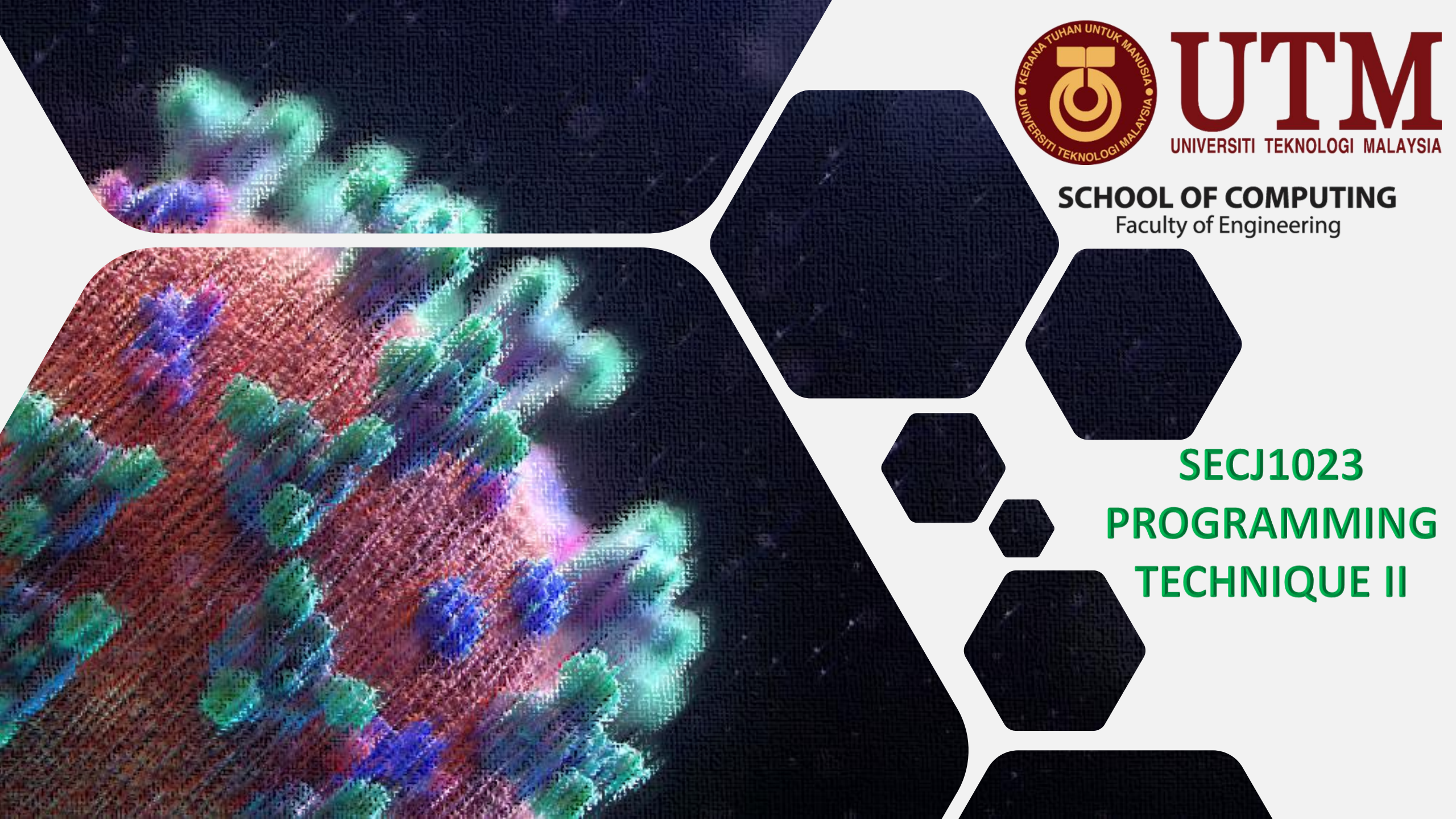UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
Faculty of Engineering

SECJ1023 PROGRAMMING TECHNIQUE II

TEAM MEMBERS

PATIENTS' DATA DISTRIBUTION SYSTEM

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INTRODUCTION

Patients' Data Distribution System is specially designed for the purpose of this system will be used to ease the traffic of patients in Malaysia and manage the collective of data in systematic way. This system elaborates basic concept for generating given item's detail. We use C++ Programming Language based system to illustrate how it works.

PROBLEM BACKGROUND

- A precise and accurate system is important for a well functioning premises to prevent mistrust, encourage transparency and provide information to the higher ups and real time. Thus, this system is introduced to manage all the data in a one stop centre so that there will be no redundancy as what being done conventionally – records patients' information on a log book.

PROJECT OBJECTIVES

PATIENTS' DATA DISTRIBUTION SYSTEM

MAIN
To store, modify, and analyze the data of Covid-19 patients

IMPORT
To read an existing data file from a source file

DECISION
To determine the severity level of patients admitted

TRACK
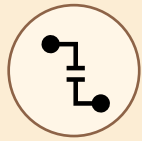To monitor and ease the traffic flow in a certain hospital or premises to avoid overflow

SCOPE OF PROJECT

FUNCTIONS

To perform several normal function to key in patients' data distribution and tracking of high severity patients in a digital system
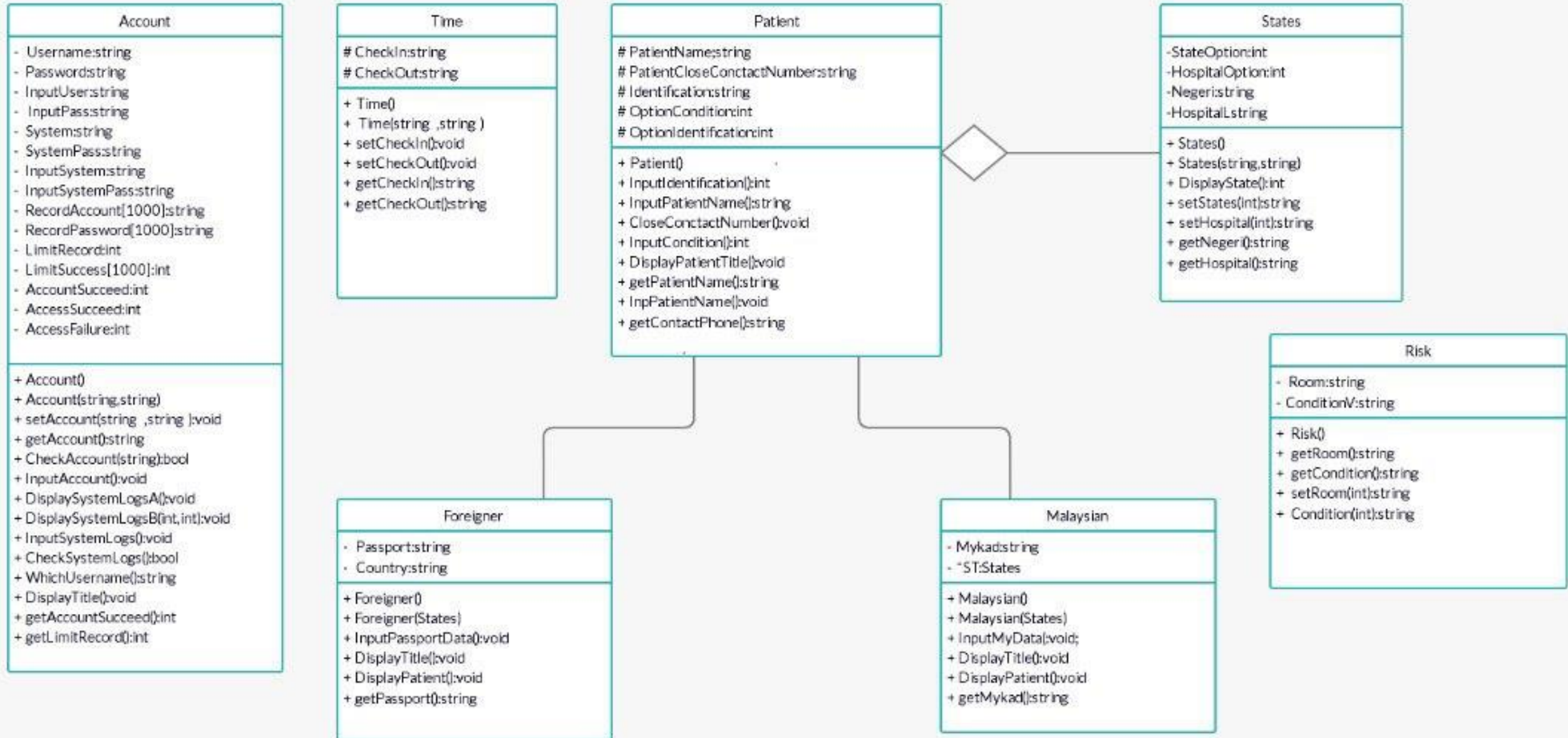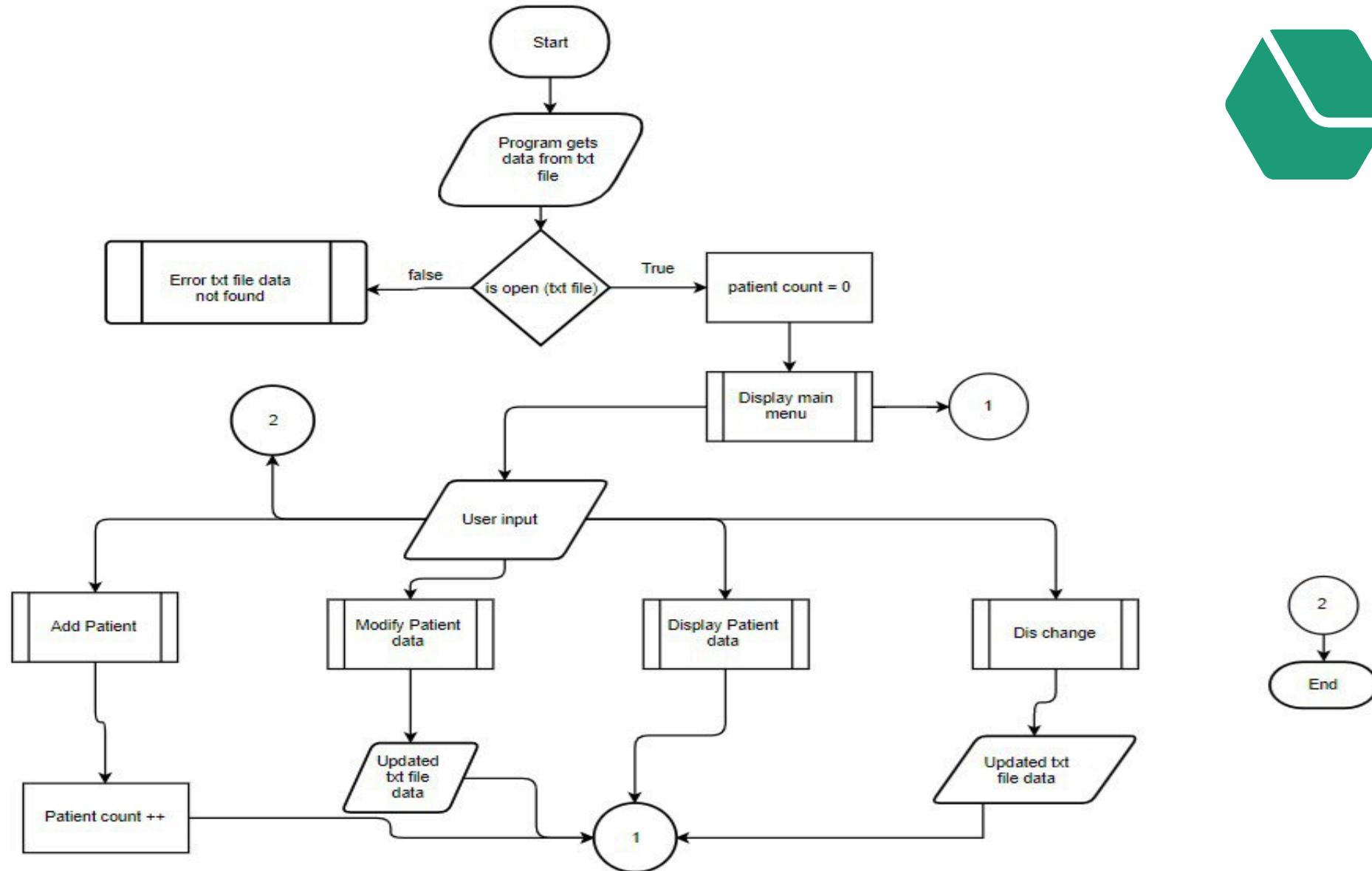
ACCESSIBILITY

The project is about storing data of patient's and can be manage via some entrusted people with provided credentials

UML CLASS DIAGRAM

Account

- Username:string
- Password:string
- InputUser:string
- InputPass:string
- System:string
- SystemPass:string
- InputSystem:string
- InputSystemPass:string
- RecordAccount[1000]:string
- RecordPassword[1000]:string
- LimitRecord:int
- LimitSuccess[1000]:int
- AccountSucceed:int
- AccessSucceed:int
- AccessFailure:int

+ Account()
+ Account(string,string)
+ setAccount(string ,string):void
+ getAccount():string
+ CheckAccount(string):bool
+ InputAccount():void
+ DisplaySystemLogsA():void
+ DisplaySystemLogsB(int,int):void
+ InputSystemLogs():void
+ CheckSystemLogs():bool
+ WhichUsername():string
+ DisplayTitle():void
+ getAccountSucceed():int
+ getLimitRecord():int

Time

- # CheckIn:string
- # CheckOut:string

+ Time()
+ Time(string ,string)
+ setCheckIn():void
+ setCheckOut():void
+ getCheckIn():string
+ getCheckOut():string

Patient

- # PatientName;string
- # PatientCloseConctactNumber:string
- # Identification:string
- # OptionCondition:int
- # OptionIdentification:int

+ Patient()
+ InputIdentification():int
+ InputPatientName():string
+ CloseConctactNumber():void
+ InputCondition():int
+ DisplayPatientTitle():void
+ getPatientName():string
+ InpPatientName():void
+ getContactPhone():string

States

- StateOption:int
- HospitalOption:int
- Negeri:string
- HospitalL:string

+ States()
+ States(string,string)
+ DisplayState():int
+ setStates(int):string
+ setHospital(int):string
+ getNegeri():string
+ getHospital():string

Risk

- Room:string
- ConditionV:string

+ Risk()
+ getRoom():string
+ getCondition():string
+ setRoom(int):string
+ Condition(int):string

Foreigner

- Passport:string
- Country:string

+ Foreigner()
+ Foreigner(States)
+ InputPassportData():void
+ DisplayTitle():void
+ DisplayPatient():void
+ getPassport():string

Malaysian

- Mykad:string
- *ST:States

+ Malaysian()
+ Malaysian(States)
+ InputMyData():void;
+ DisplayTitle():void
+ DisplayPatient():void
+ getMykad():string

FLOW CHART

RUN, DEMO & PROCESS

Dev C++

Integrated
Development
Environment (IDE)

C Programming
Language

Object Oriented
Programming

CONCLUSION

- In conclusion the system was a great success. All the objectives the system was set out to do was full achieved and now embedded into the system. This system can be used in many premises as it covers an array of situation whereby it encounters during its regular service hours. Further improvement can be done to encompass multiple situation.

THANK YOU

PATIENTS' DATA DISTRIBUTION
SYSTEM