



Continuing Education Program
Center for Computing and Information Technology
Fakultas Teknik Universitas Indonesia

PROJECT

BPJS KESEHATAN

Arranged by :

1. Muhammad Zidan Satrio (2120010105)
2. Muhammad Daka Anugrah (2120010293)
3. Damar Wicaksono (2120010032)

Faculty :

Kevin Harada

Continuing Education Program Center for Computing and Information Technology
Faculty of Engineering, University of Indonesia

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PREFACE

Author are very grateful to Allah SWT who was give us healty and strangth in this pandemic condition so we can finish this project. And also want to give our thanks to Mr. Kevin Harada for give support and guidance so we can complete the project on time. Our project entitled “BPJS KESEHATAN” talks about psudocode, flowchart. And dryrun

We are know this result of the article there will be deficiency but we hope this project will be useful to us and readers. Because of that, the author say thank you so much to all people who helps in the process of reporting this project. If there mistakes in this work , we are accept suggestion and criticism from readers. Hope you enjoyed this article.

PROJECT ON

BPJS KESEHATAN

Developed by

Name : Muhammad Zidan Satrio
Muhammad Daka Anugrah
Damar Wicaksono

Faculty : Kevin Harada



BPJS KESEHATAN

(Project Title)

Batch Code : *ICC6*

Start Date : *6 October 2021*

End Date : 2 November 2021

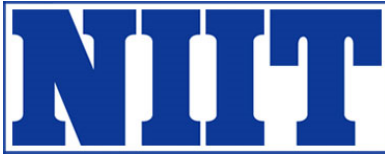
Name of the Coordinator : *Kevin Harada*

Name of Developer : Muhammad Zidan Satrio

Muhammad Daka Anugrah

Damar Wicaksono

Date of Submission : 3 November 2021



CERTIFICATE

This is to certify that this report, titled *BPJS KESEHATAN*, embodies the original work done by *Muhammad Zidan Satrio, Muhammad Daka Anugrah, Damar Wicaksono* in partial fulfillment of his/her course requirement at NIIT.

Coordinator :

Kevin Harada

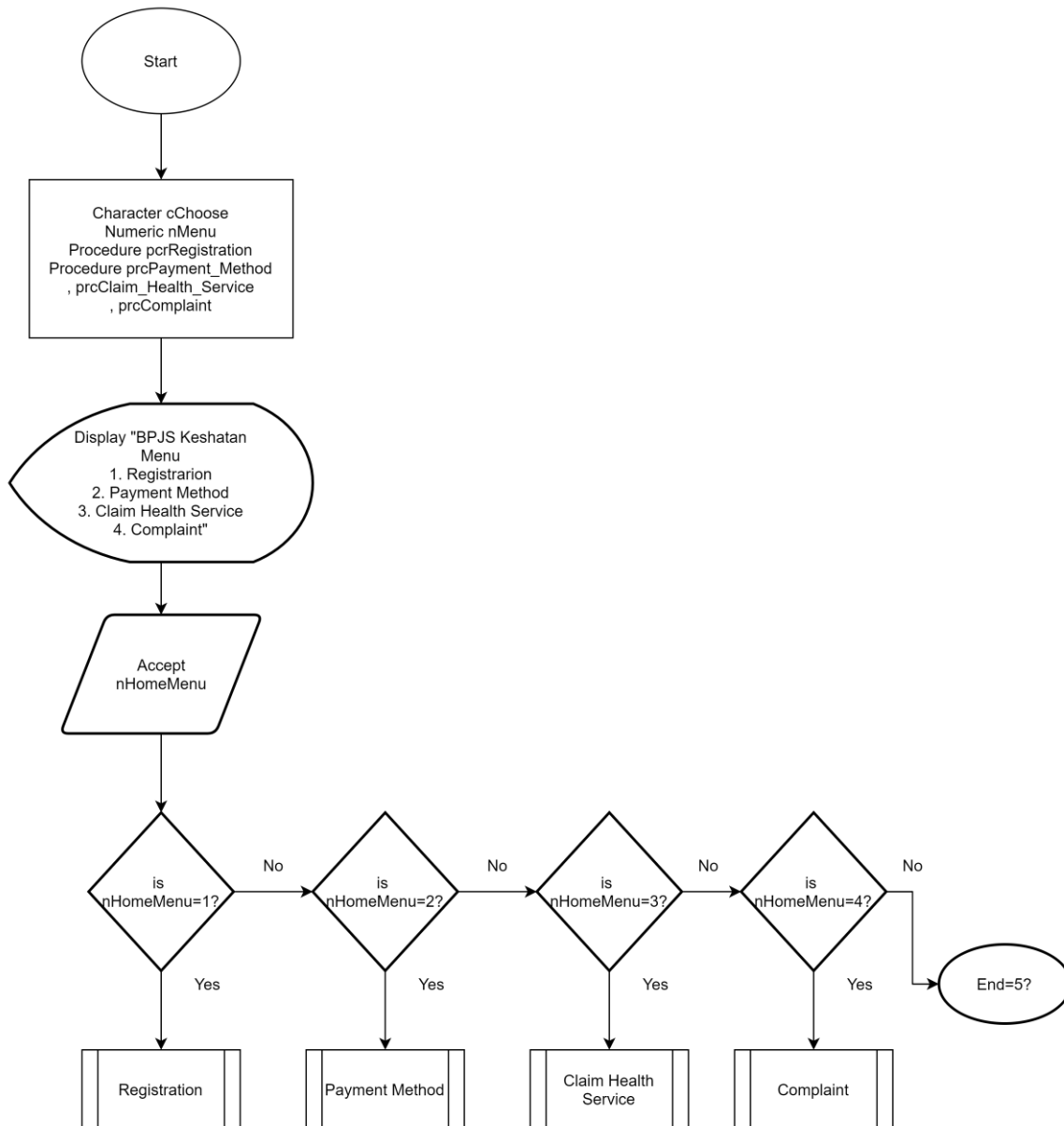
ACKNOWLEDGEMENT

We have benefited a lot from thr feedback and suggestions given to us by Mr. Kevin Harada and other faculty members.

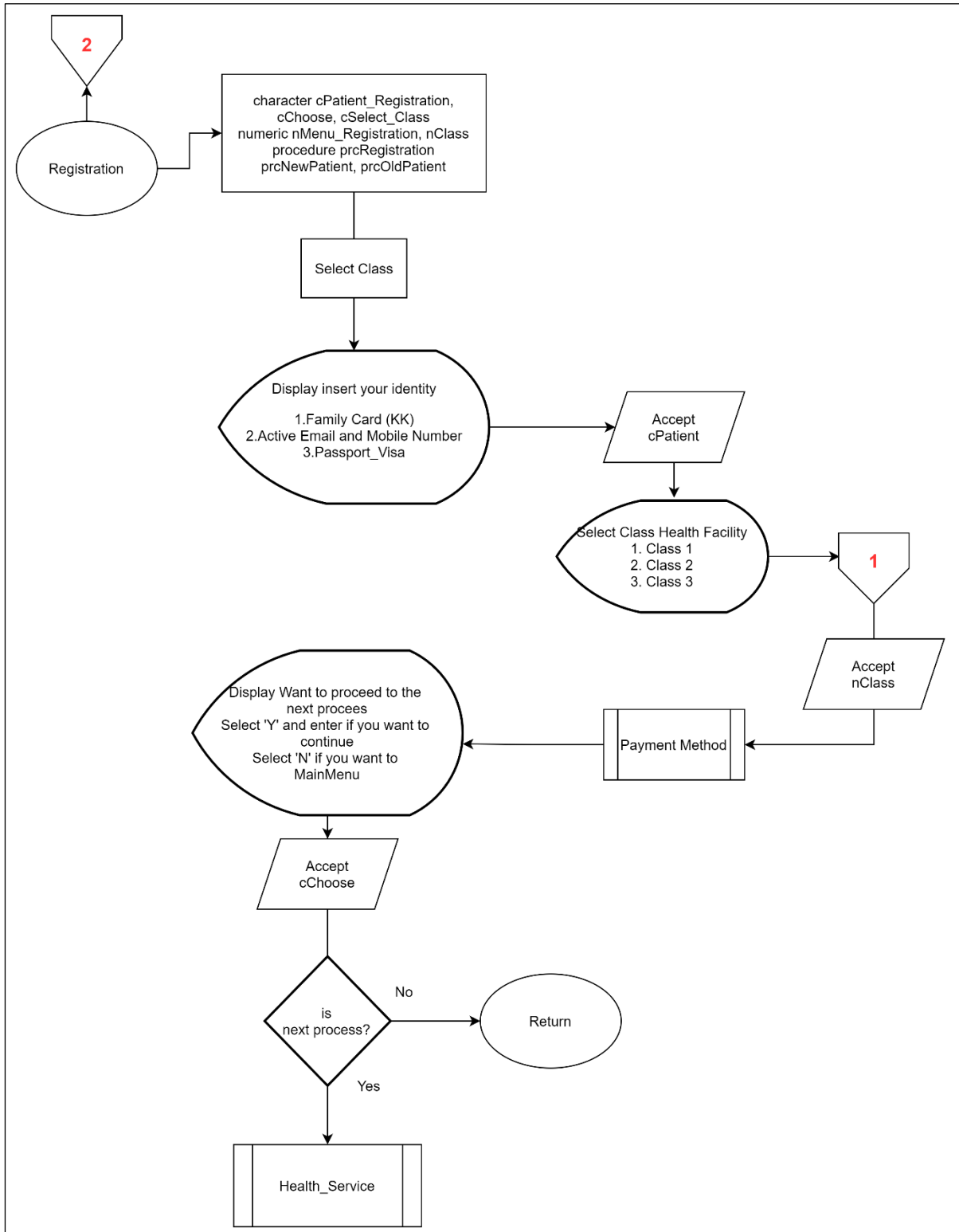
SYSTEM ANALYSIS

System summary : BPJS Kesehatan is a place where people get health insurance. such as drug services, medical devices, and medical materials.

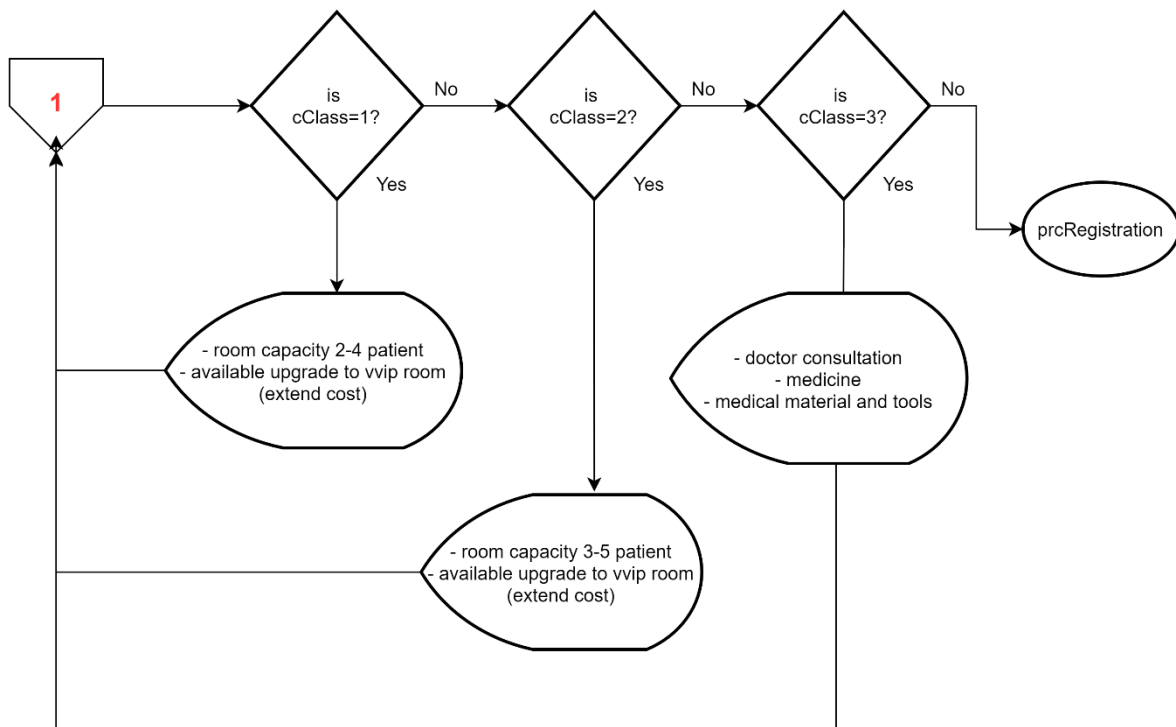
FLOWCHART HOME MENU



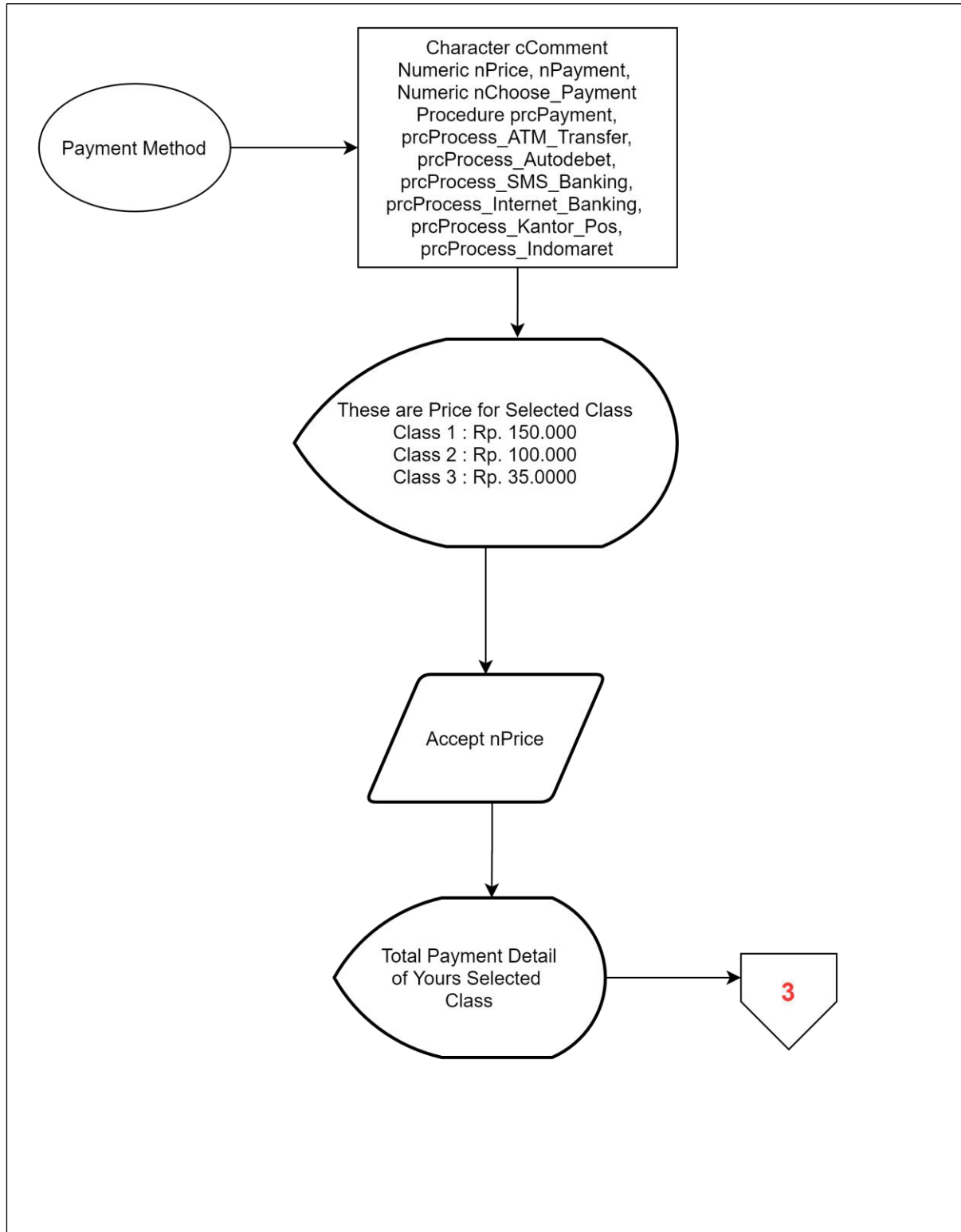
FLOWCHART REGISTRATION



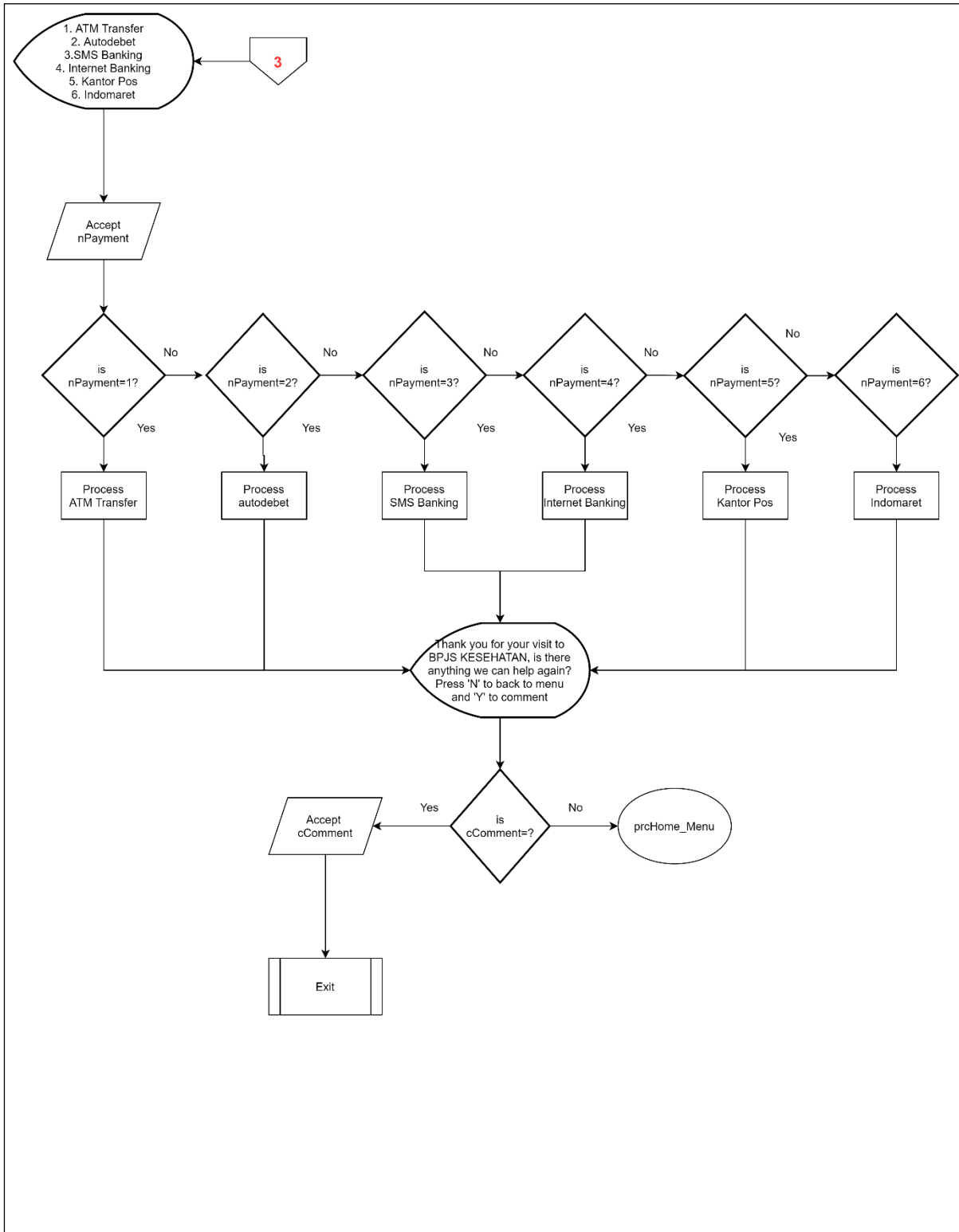
FLOWCHART REGISTRATION



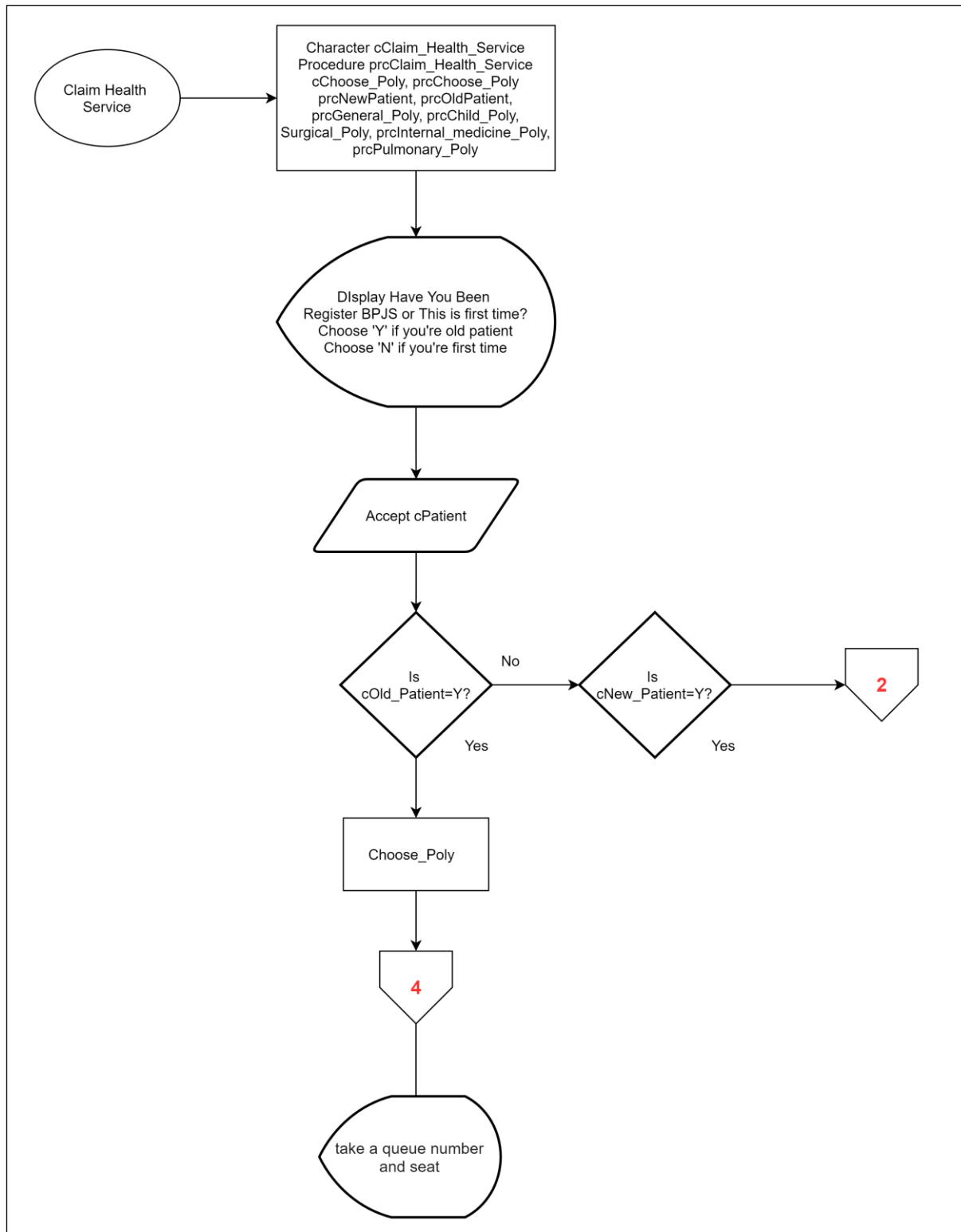
FLOWCHART PAYMENT METHOD



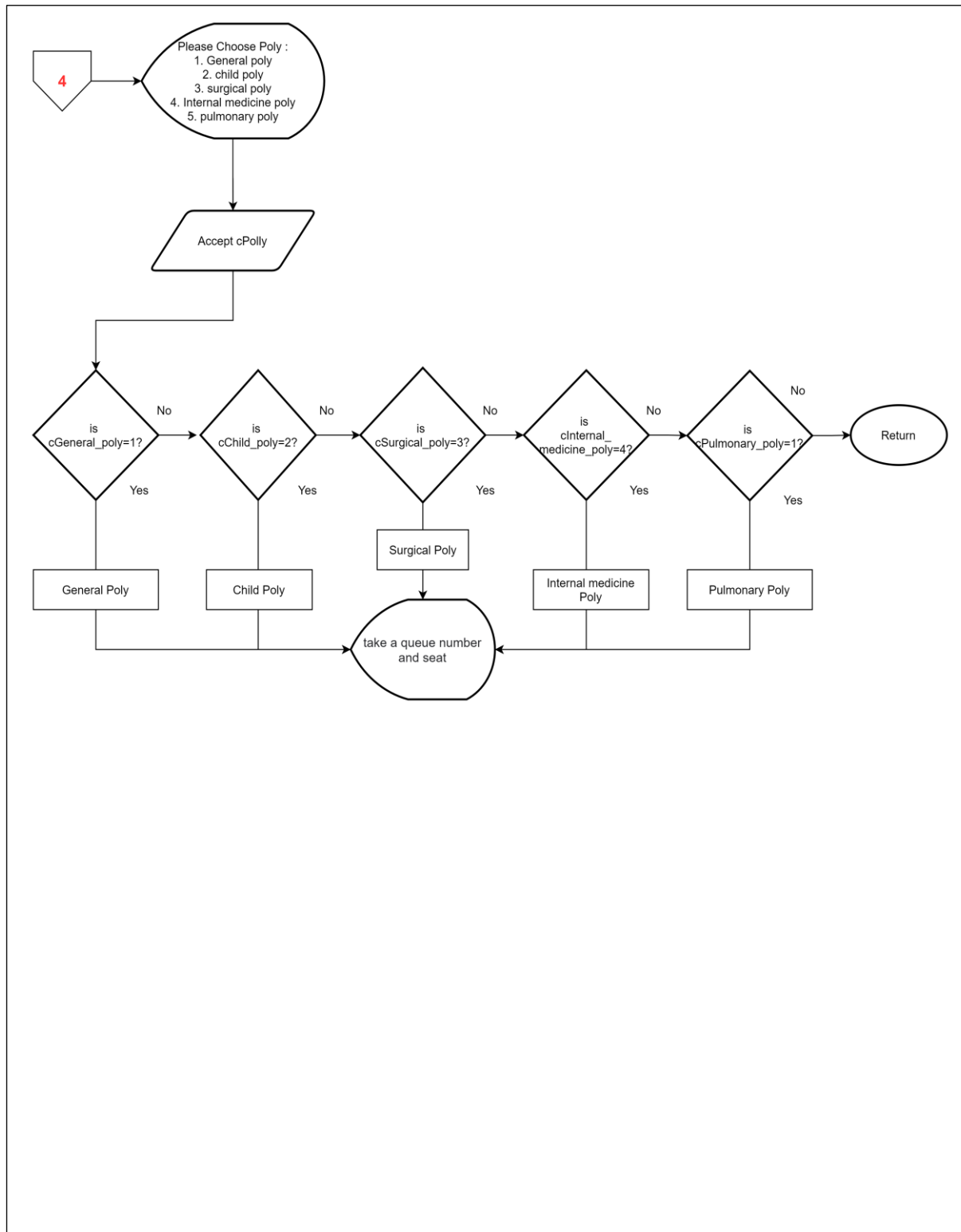
FLOWCHART METHOD PAYMENT



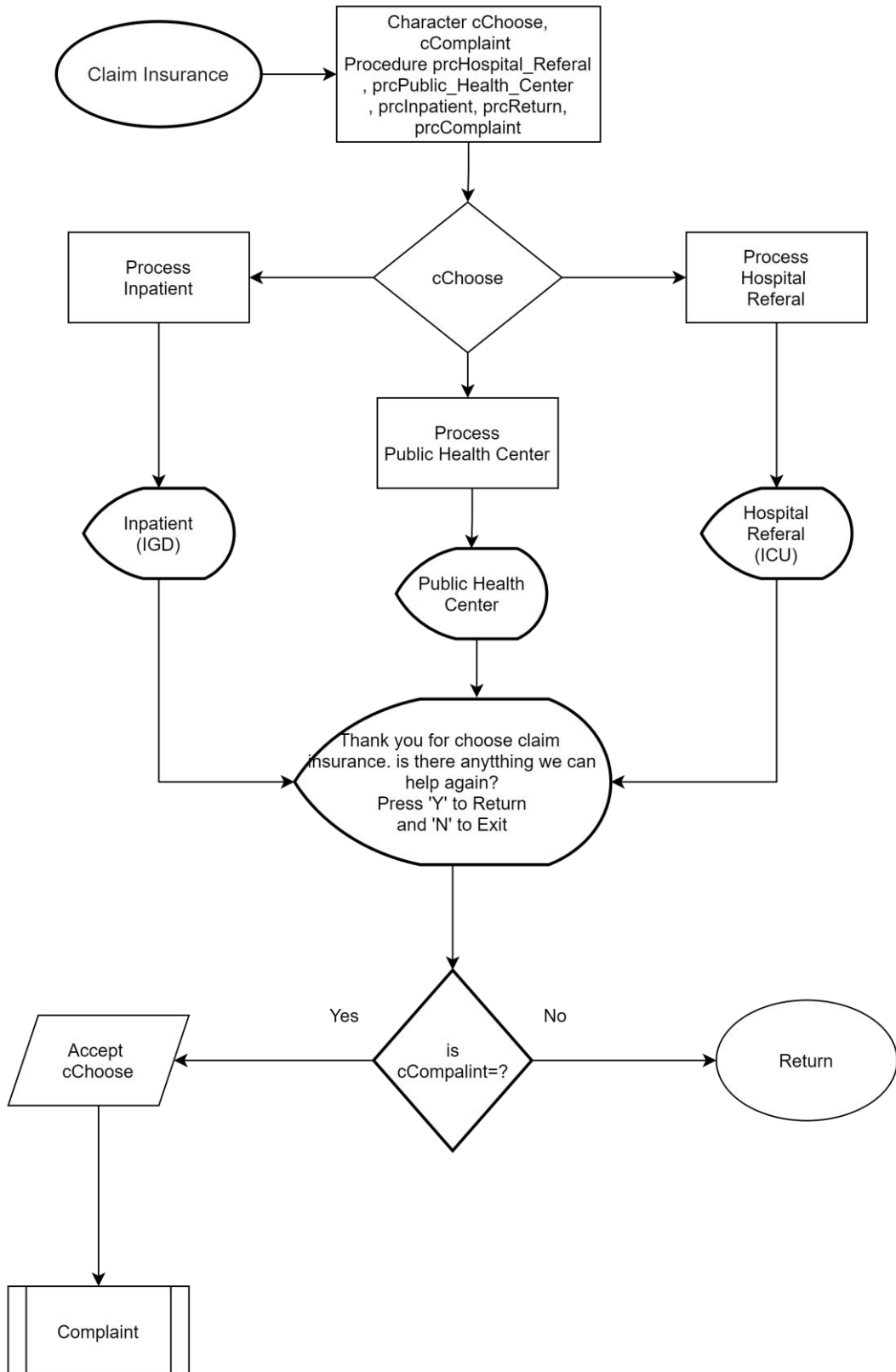
FLOWCHART CLAIM HEALTH SERVICE



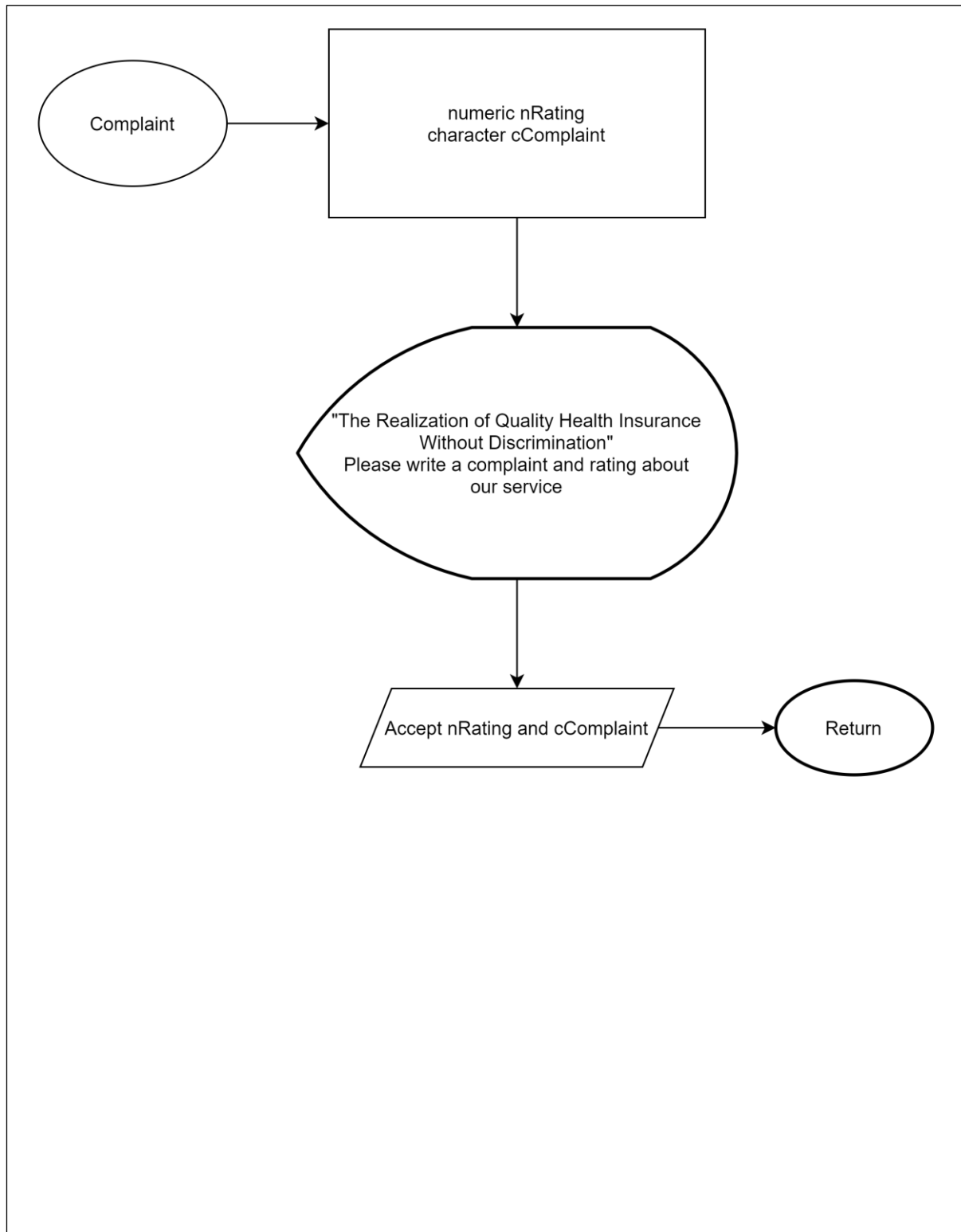
FLOWCHART CLAIM HEALTH SERVICE



FLOWCHART CLAIM INSURANCE



FLOWCHART COMPLAINT



PSEUDOCODE HOME MENU

```
prcHomeMenu
Begin
    Character cChoose
    Numeric nMenu
    Procedure prcRegistration, prcPayment_Method, prcClaim Health_Service, prcComplaint
        Begin
            display "Welcome to BPJS Kesehatan"      "
            display "      Home Menu"                "
            display "Select your Service"             "
            display "1. Registration"                  "
            display "2. Payment Method"                "
            display "3. Claim Health Service"          "
            display "4. Complaint"                     "
            display "                                  "
            accept nHomeMenu
            swithc (nHomeMenu)
            Begin
                case 1 :
                    Call prcRegistration
                    Break
                case 2 :
                    Call prcPayment_Method
                    Break
                case 3 :
                    Call prcClaim_Health_Service
                    Break
                Case 4 :
                    Call Complaint
                    Break

                Default :
                    "Please select 1-4"
                    Break
            End
        End
    End
End
```

PSEUDOCODE REGISTRATION

```
prcRegistration
begin
    character cPatient_Registration cMenu_Registration
    procedure prcRegistration, prcNew_Patient, prcOld_Patient
    begin
        display "          Insert Your Identity          "
        display " ----- "
        display " 1.Family Card (KK) "
        display " 2.Active Email and Mobile Number "
        display "          3.Passport_Visa          "
        display " ----- "
        accept cPatient
        display " ----- "
        display "  Select Class Health Facility  "
        display "          1. Class 1          "
        display "          2. Class 2          "
        display "          3. Class 3          "
        switch (nSelect)
            begin
                case 1
                    call prcClass_1
                    break
                case 2
                    call prcClass_2
                    break
                case 3
                    call prcClass_3
                    break
                Default :
                    "Please select 1-3"
                    break
            end
        if (cSelect=1) then
            display " - room capacity 2-4 patient "
            display " - available upgrade to vvip room (extend cost) "
        end
        else
            begin
                if (cSelect=) then
                    display " - room capacity 3-5 patient "
                    display " - available upgrade to vvip room (extend cost) "
                end
            end
            else
                begin
                    if (cSelect=3) then
                        display " doctor consultation "
                        display " medicine "
                        display " medical material and tools "
                    end
                end
            end
        end
    end
end
```

PSEUDOCODE PAYMENT METHOD

Page 3 Flowchart

procedure prcPayment_Method

begin

display " Want to proceed to the next procees "

display " Select 'Y' and enter if you want to continue "

display : Select 'N' if you want to MainMenu "

accept cChoose

switch (cChoose)

begin

case 1 :

call prcContinue

break

case 2 :

call prcMain_Menu

break

default

display "Please Select Y or N"

break

end

begin

Numeric nPrice

Numeric nChoosePayment

Procedure prcPayment

begin

display " These are Price for Selected Class "

display " Class 1 : Rp. 150.000 "

display " Class 2 : Rp. 100.000 "

display " Class 3 : Rp. 35.0000 "

Accept nPrice

display " Total Payment Detail of Yours Selected Class "

end

end

end

PSEUDOCODE PAYMENT METHOD

```
Begin
    Accept nPayment
    Procedure prcProcess_ATM_Transfer, prcProcess_autodebet, prcProcess_SMS_Banking,
    prcProcess_Internet_Banking, prcProcess_Kantor_Pos, prcProcess_Indomaret
    swith (nPayment)
    Begin
        case 1 :
            Call prcProcess_ATM_Transfer
            display "Process ATM Transfer"
            Break
        case 2 :
            Call prcProcess autodebet
            display "Process autodebet"
            Break
        case 3 :
            Call prcProcess_SMS_Banking
            display "Process SMS Banking"
            Break
        Case 4 :
            Call prcProcess_Internet_Banking
            display "Process Internet Banking"
            Break
        Case 5 :
            Call prcProcess_Kantor_Pos
            display "Process Kantor Pos"
            Break
        Case 6 :
            Call prcProcess_Indomaret
            display "Process Indomaret"
            Break

        Default :
            display "Please select Payment Method"
            Break
    End
    display "Thank you for your visit to BPJS KESEHATAN, is there anything we can help again? Press 'Y' to
back to menu and 'N' to exit"
    if ((cChoose=Y OR cChoose=N))
        Begin
            Call cComment
        end
    else if
        begin
            Call prcHome_Menu
        end
    end
end
```

PSEUDOCODE CLAIM HEALTH SERVICE

```
prcClaim_Health_Service
begin
    Character cClaim_Health_Service, cChoose, cY, cN
    Procedure prcClaim_Health_Service, prcNewPatient, prcOldPatient, prc Registration
    begin
        display " Have You Been Register BPJS or This is first time? "
        display " Choose 'Y' if you're old patient "
        display " Choose 'N' if you're first time "
        Accept cPatient
        switch (nselect)
        begin
            case 1
                call prcOld_Patient
                break
            case 2
                call prcNew_Patient
                break
            Default :
                "Choose Y or N"
            Break
        end
        if (Is cOld_Patient=Y) then
            begin
                display " Please Choose Poly : "
                display " 1. General poly "
                display " 2. child poly "
                display " 3. surgical poly "
                display " 4. Internal medicine poly "
                display " 5. pulmonary poly "
                Accept cPoly
                switch (cPoly)
                begin
                    case 1 :
                        Call prcGeneral_poly
                        Break
                    case 2 :
                        Call prcChild_poly
                        Break
                    case 3 :
                        Call prcSurgical_poly
                        Break
                    case 4 :
                        Call prcInternal_medicine_poly
                        Break
                    case 5 :
                        Call prcPulmonary_poly
                        Break
                    Default :
                        "Please select 1-5"
                        Break
                end
                display " take a queue number and seat "
            end
        else if (Is cOld_Patient=N)
            begin
                Accpet cN
            end
        else (Is cNew_Patient=Y)
            begin
                Accpet cY
                call prcRegistration
            end
        end
    end
end
```

PSEUDOCODE CLAIM INSURANCE

```
prcClaim_Insurance
Begin
    character cChoose
    Numeric nClaim_Insurance
    Procedure prcProcess_Hospital_Referral, prcProcess_Public_Health_Center, prcProcces_Inpatient,
prcReturn, prcComplaint
    Switch (cChoose)
    Begin
        Case 1 :
            Call prcProcess_Inpatient
            display "Inpatient (IGD)"
            Break
        Case 2 :
            Call prcProcess_Public_Health_Center
            display "Public Health Center"
            break
        Case 3 :
            Call prcProcess_Hospital_Referral
            display "Hospital Referral (ICU)"
            Break
    End
    display "Thank you for choose claim insurance. is there anytthing we can help again? Press 'Y' to
back to menu and 'N' to exit"
    if ((cChoose=Y OR cChoose=N))
        Begin
            Accept cChoose=Y
            Call prcReturn
        end
    else if
        begin
            Accept cChoose=N
            Call prcComplaint
        end
    end
end
```

PSEUDOCODE COMPLAINT

```
prcComplaint
begin
    numeric nRating
    Character cChoose, cComplaint
    display ""The Realization of Quality Health Insurance Without Discrimination. Please
write a complaint and rating about our service"
    Accept nRating and cComplaint

End
```

DRY RUN TABLE

nHomeMenu

Initation	Input	Process	Output
nHomeMenu	nHomeMenu	Accept nHomeMenu	Display "BPJS Keshatan Menu 1. Registrarion 2. Payment Method 3. Claim Health Service 4. Complaint"
nMenu	1	Call prcRegistration	"Please select 1-4"
	2	Call prcPayment_Method	"Please select 1-4"
	3	Call prcClaim_Health_Service	"Please select 1-4"
	4	Call Complaint	"Please select 1-4"

Procedure prc_Registration

Initiation	Input	Process	Output
cPatient_Registration	prcNew_Patient	Call prcRegistration	Display "Insert your identity 1.Family Card (KK) 2.Active Email and Mobile Number 3.Passport_Visa"
	cChoose	Call prcNewPatient	
cSelect_Class	cSelect_Class	Accept cPatient	Display "Select Class Health Facility 1. Class 1 2. Class 2 3. Class 3"
nSelect_Class	1	Call prcClass 1	Display " - room capacity 2-4 patient - available upgrade to vvip room (extend cost)" "
	2	Call prcClass 2	Display " - room capacity 3-5 patient - available upgrade to vvip room (extend cost)" "
	3	Call prcClass 3	Display " - doctor consultation - medicine - medical material and tools"
	4	Call prcRegistration	prcReturn
cSelect_Class	cSelected_Class	Accept nClass	prcPayment_Method

prcPayment_Method

Initiation	Input	Process	Output
cPayment_Method	nChoose_Payment	prcPayment	Display " These are Price for Selected Class Class 1 : Rp. 150.000 Class 2 : Rp. 100.000 Class 3 : Rp. 35.0000 "
nPrice	nPrice	prcPayment	prcTotal_Payment
nTotal_Payment	nPayment	Prc_Atm_Transfer	Display " Thank you for your visit to BPJS KESEHATAN, is there anything we can help again? "
		prcAutodebet	
		prcSms_Banking	
		prcInternet_Banking	
		prcKantor_Pos	
cComment	Y	Call prcHome_Menu	prcHome_Menu
	N	prcAccept_Comment	prcHome_Menu

Procedure prcClaim_Health_Service

Initation	Input	Process	Output
cClaim_Health_Service	cClaim_Health_Service	Accept cChoose	Display "Have You Been Register BPJS or This is first time? Choose 'Y' if you're old patient Choose 'N' if you're first time"
cPatient	Y	Call prcOldPatient	prcChoose_Poly
	N	Call prcNewPatient	prcRegistration
cChoose_Poly	cChoose_Poly	Accept cPoly	Display "Please Choose Poly : 1. General poly 2. child poly 3. surgical poly 4. Internal medicine poly 5. pulmonary poly"
nChoose_Poly	1	Call prcGeneral_Poly	Display "take a queue number and seat"
	2	Call prcChild_Poly	
	3	Call prcSurgical_Poly	
	4	Call prcInternal_Medicine_Poly	
	5	Call prcPulmonary_Poly	
	6	Call prcReturn	prcReturn

Procedure prcClaimInsurance

Initation	Input	Process	Output
nClaim_Insurance	1	Call prcProcess_Inpatient	display "Inpatient (IGD)"
	2	Call prcProcess_Public_Health_Center	display "Public Health Center"
	3	Call prcProcess_Hospital_Referral	display "Hospital Referral (ICU)"
nClaim_Insurance	Y	Call prcReturn	prcReturn
	N	Call prcComplaint	prcComplaint

Procedure prcComplaint

Initation	Input	Process	Output
CComplaint	nRating	Accept nRating	display "Thank you for choose claim insurance. is there anything we can help again? Press 'Y' to back to menu and 'N' to exit"
	cComplaint	Accept cComplaint	display "Thank you for choose claim insurance. is there anything"

			we can help again? Press 'Y' to back to menu and 'N' to exit"
--	--	--	---

CONFIGURATION

Hardware : A node with PIV processor (2,6 GHz or higher), RAM 8GB, HDD 500GB.

VGA : 1366x768

Operating system : Windows 10 Professional

Software : Draw.io

Microsoft Word 2016

Notepad

