PRODUCT MANAGEMENT SYSTEM

Computer Science Project Work

GEMS SCHOOL
Dhapakhel, Lalitpur
Nepal

Department of Computer Science

Secondary Level

Submitted By: **Submitted To**

Prakrit Gajurel(19)   ....

Niral Khadka(17)   Mr. Dipendra Shrestha

Nikit Bhattarai(15)

Grade X

Section : C

November 2024

ACKNOWLEDGEMENT

We would like to take this opportunity to acknowledge and appreciate all of those who helped us with the project in every possible way. We would like to express our sincerest gratitude to our secondary level computer science department head **Mrs. Jyoti Tuladhar**, and project supervisor **Mr. Dipendra Shrestha** for the tremendous support, critical analysis and crucial suggestions throughout the project development process.

We would also like to thank the entire member of the computer science department of GEMS including **Mr. Ibran Ansari** who encouraged us to be consistent throughout the project.

It has been a great opportunity for us to learn about the basic implementation of the real-world system. We consider ourselves to be lucky to have the opportunity to meet such great individuals and professionals who are notable in their field of work.

Further, we would also like to present our deepest thanks to the **GEMS School** who facilitated us with this curriculum to test our potential and break boundaries with the project. Their contributions are sincerely appreciated.

Prakrit Gajurel (019)

Niral Khadka (017)

Nikit Bhattarai (015)

ABSTRACT

This is a QBasic project on a Product Management System. Here basically there are a lot of products that you can bid on, buy, see, order, etc. I expected this project to be way better than what it actually is, but due to my laptop's limitations(QBasic does not run), I had to guess all the GUI. Due to this reason there are no images or buttons, as it would be a hassle to learn it all and guess the placements too. Even though there was enough time, it was just procrastination and lack of total motivation due to my laptop's limitations that I was not able to finish this project work with all of my effort put into it.

Keywords: product, system, file management, QBasic, programming, business, home, admin, user, GUI, preorder, order, coming soon, headphones, pets, code, sub procedure, modular programming, easy to use

TABLE OF CONTENTS

1. INTRODUCTION

The system is about a system where you can view products and carry out some activities related to the products. This system will let you view products, view the orders(as an admin) and see what the product is actually about. In the real world, this system can be used by small businesses in order to start their business because of its easy-to-use interface. Here, you can get information on various products and see prices, bid on auctioned products, create a secure log-in key, etc. The admin can see the names of the ordered products and see the details of the order.

2. OBJECTIVES

- Provide an easy-to-use and understandable interface for new users also to view products and buy them/view them.

- To let admins view information about the buyers of the products easily

3. LIMITATIONS
- There is no real-time updates of the actual data
- Due to time limitation, the graphics is not very good

4. MINDMAP
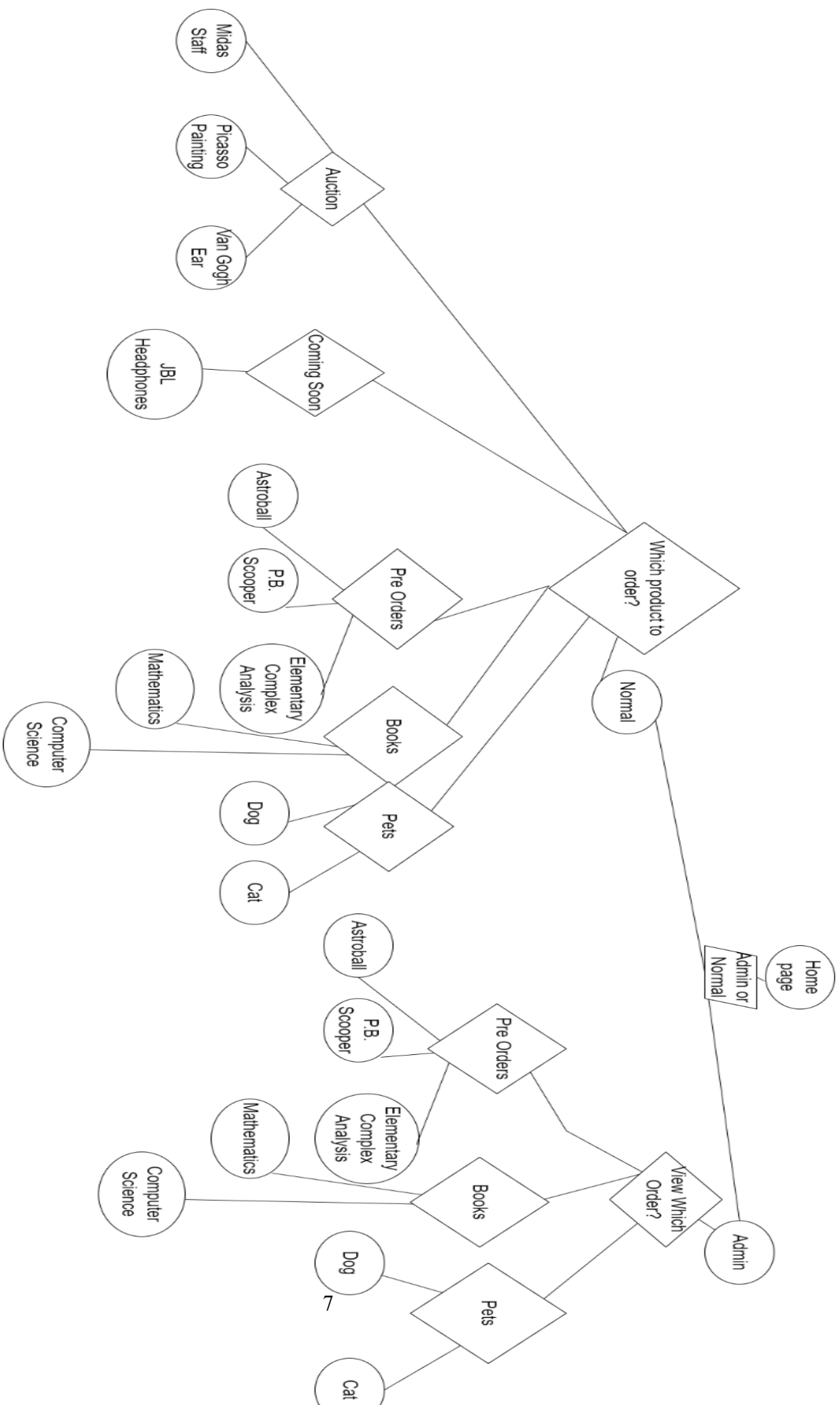- https://gitmind.com/app/docs/mkhohclk

5. ALGORITHM

- 1. Run Program
- 2. Admin or Normal?
- 3. If Admin, go to 5
- 4. If Normal, go to 36
- 5. View list of orders and type the one you want
- 6. Choose Pre Orders, Pets, or Books
- 7. If Pre Orders go to 10
- 8. If Pets go to 17
- 9. If Books go to 22
- 10. View Astro Ball, Peanut Butter Scooper, Elementary Complex Analysis
- 11. If Astro Ball, go to 14
- 12. If P.B. Scooper, go to 15
- 13. If Elementary Complex Analysis, go to 16
- 14. View Astro Ball
- 15. View Peanut Butter Scooper
- 16. View Elementary Complex Analysis
- 17. View Dogs and Cats
- 18. If dogs, go to 20
- 19. If cats, go to 21
- 20. View dog orders
- 21. View cat orders
- 22. Choose math or computer science
- 23. If Maths, go to 25
- 24. If Computer science, go to 34
- 25. Choose Real analysis, Complex analysis, Calculus, Algebra
- 26. If real analysis, go to 30
- 27. If complex analysis, go to 31
- 28. If calculus, go to 32
- 29. If algebra, go to 33
- 30. View real analysis orders
- 31. View complex analysis orders
- 32. View calculus orders
- 33. View algebra orders
- 34. Choose python
- 35. View Python orders
- 36. Log In
- 37. View products
- 38. Choose Pre orders, coming soon, auction, books, or pets
- 39. If pre orders, go to 44
- 40. if coming soon, go to 51
- 41. if auction, go to 52

- 42. if books, go to 59
- 43. if pets, go to 71
- 44. View astro ball, peanut butter scooper, or elementary complex analysis
- 45. If astro ball, go to 48
- 46. If peanut butter scooper, go to 49
- 47. If elementary complex analysis, go to 50
- 48. View astro ball
- 49. View P.B. Scooper
- 50. View elementary complex analysis
- 51. View JBL Headphones
- 52. View Midas Staff, Picasso painting, or Van Gogh Ear
- 53. If Midas staff, go to 56
- 54. If Picasso painting, go to 57
- 55. If Van Gogh Ear, go to 58
- 56. Bid on staff
- 57. Bid on Painting
- 58. Bid on ear
- 59. View Mathematics or Computer Science
- 60. If mathematics, go to 62
- 61. If computer science, go to
- 62. Choose Real analysis, complex analysis, calculus, or algebra
- 63. If real analysis, go to 67
- 64. If complex analysis, go to 68
- 65. If calculus, go to 69
- 66. If algebra, go to 70
- 67. View real analysis
- 68. View complex analysis
- 69. View calculus
- 70. View algebra
- 71. View dogs or cats
- 72. If dogs, go to 74
- 73. If cats, go to 75
- 74. View dogs
- 75. View cats

6. FLOWCHART
If image is not clear:
https://app.diagrams.net/#Lproject.html#%7B%22pageId%22%3A%22ST3V_IrSLbLASlP5OY1P%22%7D

Midas Staff

Picasso Painting

Van Gogh Ear

Auction

JBL Headphones

Coming Soon

Astroball

P.B. Scooper

Pre Orders

Mathematics

Elementary Complex Analysis

Computer Science

Books

Dog

Pets

Cat

Which product to order?

Normal

Admin or Normal

Home page

Astroball

P.B. Scooper

Pre Orders

Mathematics

Elementary Complex Analysis

Computer Science

Books

Dog

Pets

Cat

View Which Order?

Admin

7. PROGRAM CODE

```
declare mistake()
declare order_placed()

declare homepage()
declare login()
declare sign_up()
declare products()
declare normal()
declare admin()

declare pre()
declare orders()
declare pre_astroball()
declare pre_astroball_orders()
declare pre_peanut_butter_scooper()
declare pre_peanut_butter_scooper_orders()
declare pre_elementary_complex_analysis()
declare pre_elementary_complex_analysis_orders()

declare coming_soon()
declare cs_jbl_headphones()

declare auction()
declare auction_midas_staff()
declare auction_picasso_painting()
declare auction_van_gogh()

declare pets()
declare pets_dog()
declare pets_dog_orders()
declare pets_cat()
declare pets_cat_orders()

declare books()
declare books_mathematics()
declare books_math_real_analysis()
declare books_math_real_analysis_orders()
declare books_math_complex_analysis()
declare books_math_complex_analysis_orders()
declare books_math_calculus_all()
declare books_math_calculus_all_orders()
declare books_math_algebra_all()
```

```
declare books_cs()
declare books_cs_python()
declare books_cs_python_orders()

Cls

Screen 13
Call homepage

End
Sub order_placed ()
    Cls
    Color 2
    Locate 10, 15
    Print "ORDER PLACED!"
    Sleep 1
    Cls
    Color 15
    Locate 10, 15
    Print "Attempting to get you back to the home page."
    Sleep 1
    Cls
    Locate 10, 15
    Print "Attempting to get you back to the home page.."
    Sleep 1
    Cls
    Locate 10, 15
    Print "Attempting to get you back to the home page..."
    Sleep 1
    Cls
    Call homepage
End Sub
Sub mistake ()
    Cls
    Locate 10, 18
    Color 4
    Print "ERROR!"
    Print "It appears you have made an error."
    Print "Attempting to get you back."
    Sleep 1
    Cls
    Locate 10, 18
    Color 4
```

```
        Print "ERROR!"
        Print "It appears you have made an error.."
        Print "Attempting to get you back.."
        Sleep 1
        Cls
        Locate 10, 18

        Color 4
        Print "ERROR!"
        Print "It appears you have made an error..."
        Print "Attempting to get you back..."
        Sleep 1
        Cls
        Locate 10, 15
        Color 2
        Print "SUCCESSFUL!"
        Sleep 1
        Cls
        Call homepage

End Sub
Sub homepage ()
        Color 15
        Line (0, 0)-(318, 0)
        Line (0, 0)-(0, 180)
        Line (0, 180)-(318, 180)
        Line (318, 0)-(318, 180)
        Locate 3, 16
        Print "HOME PAGE"
        Line (0, 35)-(318, 35)
        Locate 8, 18
        Print "ADMIN"
        Locate 12, 15
        Print "NORMAL USER"
        Locate 20, 6
        Input "Which user are you"; admin_or_normal$
        If LCase$(Left$(admin_or_normal$, 1)) = "n" Then
            Cls
            Call normal
        ElseIf LCase$(Left$(admin_or_normal$, 1)) = "a" Then
            Cls
            Call admin
        Else
```

```
         Call mistake
      End If

End Sub
Sub normal ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "NORMAL USER"
   Line (0, 35)-(318, 35)
   Locate 8, 16
   Print "LOG IN"
   Locate 12, 16
   Print "SIGN UP ON OUR WEBSITE"
   Locate 20, 6
   Input "What do you want to do"; normal_login_or_signup$
   If LCase$(Left$(normal_login_or_signup$, 1)) = "l" Then
      Cls
      Call login
   Else
      Call mistake
   End If
End Sub
Sub admin ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "ADMIN"
   Line (0, 35)-(318, 35)
   Locate 8, 10
   Input "ENTER PASSWORD"; admin_pass$
   If admin_pass$ =
"hellojustsayingiamontheleaderboardsofprojecteulernepal" or
admin_pass$ = "dipen" Then
      Cls
      Call orders
   Else
      Call mistake
   End If
```

```
End Sub
Sub login ()
   Open "users.txt" For Input As #1
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "LOG IN"
   Line (0, 35)-(318, 35)
   Locate 8, 10
   Input "ENTER YOUR KEY"; login_key
   While Not EOF(1):
      Input #1, n, n$, lk
      If lk = login_key Then
         Cls
         Call products
      Else
         a = a + 1
      End If
   Wend

End Sub
Sub sign_up ()
   Open "users.txt" For Input As #1
   While Not EOF(1):
      Input #1, n, n$, lk
      number = n
   Wend
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "SIGN UP"
   Line (0, 35)-(318, 35)
   Locate 8, 16
   Input "Please enter your name"; n$
   Input "Please enter your new login key"; lk
   number = number + 1
   Close
   Open "users.txt" For Output As #1
   Write #1, number, n$, lk
```

```
        Sleep 1
        Cls
        Call login
End Sub
Sub products ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Locate 3, 16
    Print "PRODUCTS"
    Line (0, 35)-(318, 35)
    Locate 7, 16
    Print "PRE ORDERS"
    Locate 9, 16
    Print "COMING SOON"
    Locate 11, 16
    Print "AUCTION"
    Locate 13, 16
    Print "CUSTOMER TO CUSTOMER"
    Locate 15, 16
    Print "PETS"
    Locate 17, 16
    Print "BOOKS"
    Locate 20, 10
    Input "Where do you want to go"; product$
    If LCase$(Left$(product$, 3)) = "pre" Then
        Cls
        Call pre
    ElseIf LCase$(Left$(product$, 2)) = "co" Then
        Cls
        Call coming_soon
    ElseIf LCase$(Left$(product$, 1)) = "a" Then
        Cls
        Call auction
    ElseIf LCase$(Left$(product$, 1)) = "p" Then
        Cls
        Call pets
    ElseIf LCase$(Left$(product$, 1)) = "b" Then
        Cls
        Call books
    Else
        Call mistake
```

```
      End If
End Sub
Sub pre ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "PRE ORDERS"
   Line (0, 35)-(318, 35)
   Locate 7, 16
   Print "ASTROBALL"
   Locate 9, 16
   Print "PEANUT BUTTER SCOOPER"
   Locate 11, 16
   Print "MRBEAST SHIRT"
   Locate 13, 16
   Print "RUBY DRILL"
   Locate 15, 16
   Print "ELEMENTARY COMPLEX ANALYSIS"
   Locate 17, 16
   Input "Which product do you want to see"; pre_order$
   If LCase$(Left$(pre_order$, 1)) = "a" Then
      Cls
      Call pre_astroball
   ElseIf LCase$(Left$(pre_order$, 1)) = "p" Then
      Cls
      Call pre_peanut_butter_scooper
   ElseIf LCase$(Left$(pre_order$, 1)) = "e" Then
      Cls
      Call pre_elementary_complex_analysis
   Else
      Call mistake
   End If
End Sub
Sub orders ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Locate 3, 16
   Print "ORDERS"
   Line (0, 35)-(318, 35)
```

```
        Locate 7, 16
        Print "ASTROBALL ORDERS"
        Locate 9, 16
        Print "PEANUT BUTTER SCOOPER ORDERS"
        Locate 11, 16
        Print "MRBEAST SHIRT ORDERS"
        Locate 13, 16
        Print "RUBY DRILL ORDERS"
        Locate 15, 16
        Print "ELEMENTARY COMPLEX ANALYSIS ORDERS"
        Locate 17, 16
        Input "Which product do you want to see"; pre_order$
        If LCase$(Left$(pre_order$, 1)) = "a" Then
            Cls
            Call pre_astroball_orders
        ElseIf LCase$(Left$(pre_order$, 1)) = "p" Then
            Cls
            Call pre_peanut_butter_scooper_orders
        ElseIf LCase$(Left$(pre_order$, 1)) = "e" Then
            Cls
            Call pre_elementary_complex_analysis_orders
        Else
            Call mistake
        End If

End Sub
Sub pre_astroball ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "ASTROBALL"
    Locate 8, 10
    Print "A very fun ball that automatically goes back into your hand
after you throw it down! It is very bouncy ball so it is to be noted that
any injuries caused by this will not be our fault."
    Locate 20, 19
    Input "Do you want to preorder this item"; pre_astro$
    If LCase$(Left$(pre_astro$, 1)) = "y" Then
        Call order_placed
    Else
```

```
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If
End Sub
Sub pre_astroball_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Joseph Stalin"
    Locate 8, 15
    'Product Name
    Print "ASTROBALL"
    Locate 8, 27
    'Remarks
    Print "-"
    Locate 8, 32
    'Date
    Print "11/4/1922"
    Locate 11, 2
    Print "2"
    Locate 11, 4
    'Name
```

```
        Print "JSchlatt"
        Locate 11, 15
        'Product Name
        Print "ASTROBALL"
        Locate 11, 27
        'Remarks
        Print "-"
        Locate 11, 32
        'Date
        Print "9/11/1999"

        Locate 13, 2
        Print "3"
        Locate 13, 4
        'Name
        Print "Travis Scott"
        Locate 13, 15
        'Product Name
        Print "ASTROBALL"
        Locate 13, 27
        'Remarks
        Print "Scam"
        Locate 13, 32
        'Date
        Print "10/3/2021"

End Sub
Sub pre_peanut_butter_scooper ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "PEANUT BUTTER SCOOPER"
    Locate 8, 10
    Print "A very not useless item that will help you scoop up peanut
butter and mix it in if it is very oily and old."
    Locate 20, 19
    Input "Do you want to preorder this item"; pre_pb$
    If LCase$(Left$(pre_pb$, 1)) = "y" Then
        Call order_placed
    Else
```

```
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If

End Sub
Sub pre_peanut_butter_scooper_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Metro"
    Locate 8, 15
    'Product Name
    Print "PB Scooper"
    Locate 8, 27
    'Remarks
    Print "-"
    Locate 8, 32
    'Date
    Print "11/4/2024"
    Locate 11, 2
    Print "2"
    Locate 11, 4
```

'Name
Print "Future"
Locate 11, 15
'Product Name
Print "PB Scooper"
Locate 11, 27
'Remarks
Print "Nice"
Locate 11, 32
'Date
Print "10/4/2014"

Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Prakrit"
Locate 13, 15
'Product Name
Print "PB Scooper"
Locate 13, 27
'Remarks
Print "-"
Locate 13, 32
'Date
Print "11/4/2021"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Drake"
Locate 15, 15
'Product Name
Print "PB Scooper"
Locate 15, 27
'Remarks
Print "odep"
Locate 15, 32
'Date
Print "11/29/2019"

```
End Sub
Sub pre_elementary_complex_analysis ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Line (0, 40)-(318, 40)
   Locate 3, 15
   Print "ELEMENTARY COMPLEX ANALYSIS"
   Locate 8, 10
   Print "A very useful book for someone who is just starting out
complex analysis. NOTE THAT THIS IS NOT FOR TOTAL
BEGINNERS."
   Locate 20, 19
   Input "Do you want to preorder this item"; pre_eca$
   If LCase$(Left$(pre_eca$, 1)) = "y" Then
      Call order_placed
   Else
      Sleep 1
      Cls
      Locate 10, 15
      Print "Getting you to the home page..."
      Sleep 1
      Cls
      Call homepage
   End If

End Sub
Sub pre_elementary_complex_analysis_orders ()
   Line (0, 0)-(318, 0)
   Line (0, 0)-(0, 180)
   Line (0, 180)-(318, 180)
   Line (318, 0)-(318, 180)
   Line (0, 40)-(318, 40)
   Line (20, 40)-(20, 180)
   Line (0, 50)-(318, 50)
   Line (0, 70)-(318, 70)
   Line (0, 90)-(318, 90)
   Line (0, 110)-(318, 110)
   Line (0, 130)-(318, 130)
   Line (0, 150)-(318, 150)
   Line (100, 40)-(100, 180)
   Line (200, 40)-(200, 180)
```

```
        Line (250, 40)-(250, 180)
        Locate 8, 2
        Print "1"
        Locate 8, 4
        'Name
        Print "Dave"
        Locate 8, 15
        'Product Name
        Print "Complex"
        Locate 8, 27
        'Remarks
        Print "-"
        Locate 8, 32
        'Date
        Print "11/4/2023"
        Locate 11, 2
        Print "2"
        Locate 11, 4
        'Name
        Print "Knee Grow"
        Locate 11, 15
        'Product Name
        Print "Complex"
        Locate 11, 27
        'Remarks
        Print "Nice"
        Locate 11, 32
        'Date
        Print "11/4/2024"


End Sub
Sub coming_soon ()
        Line (0, 0)-(318, 0)
        Line (0, 0)-(0, 180)
        Line (0, 180)-(318, 180)
        Line (318, 0)-(318, 180)
        Locate 3, 16
        Print "COMING SOON"
        Line (0, 35)-(318, 35)
        Locate 7, 16
        Print "JBL HEADPHONES"
        Input "Which product do you want to see"; coming$
```

```
    If LCase$(Left$(coming$, 1)) = "j" Then
        Cls
        Call cs_jbl_headphones
    Else
        Cls
        Call mistake
    End If
End Sub
Sub cs_jbl_headphones ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "JBL HEADPHONES"
    Locate 8, 10
    Print "Up your listening game with these new JBL Headphones!
With never-seen-before technology at it's hands, it will make your
listening a lot more nicer with it's noise-cancelling features, AI built-in
assistant, and hand-free calls with the buttons on the hide of the
headphones."
End Sub
Sub auction ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Locate 3, 16
    Print "AUCTION"
    Line (0, 35)-(318, 35)
    Locate 7, 16
    Print "MIDAS STAFF"
    Locate 9, 16
    Print "MIDAS' SWORD"
    Locate 11, 16
    Print "PICASSO PAINTING"
    Locate 13, 16
    Print "VAN GOGH PAINTING"
    Locate 15, 16
    Print "LOST MOZART SONG"
    Locate 19, 16
    Input "Which product do you want to see"; auction_input$
```

```
      If LCase$(Right$(auction_input$, 1)) = "f" Then
         Cls
         Call auction_midas_staff
      ElseIf LCase$(Left$(auction_input$, 1)) = "p" Then
         Cls
         Call auction_picasso_painting
      ElseIf LCase$(Left$(auction_input$, 1)) = "v" Then
         Cls
         Call auction_van_gogh
      Else
         Call mistake
      End If
End Sub
Sub auction_midas_staff ()
      Line (0, 0)-(318, 0)
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Line (0, 40)-(318, 40)
      Locate 3, 15
      Print "MIDAS STAFF"
      Locate 8, 10
      Print "A magical staff. It is said that, when used properly, a huge
rain of gold appears. Can be used to defeat any person easily."
      Locate 20, 19
      Input "How much do you want to auction"; auction_amount
      Cls
      Line (0, 0)-(318, 0)
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Locate 10, 15
      Print "Thank you for your auction!"
      Sleep 1
      Cls
      Call homepage


End Sub
Sub auction_picasso_painting ()
      Line (0, 0)-(318, 0)
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
```

```
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "PICASSO PAINTING"
    Locate 8, 10
    Print "A lost painting found, made by Picasso. Note that this was
made in his childhood years, making this painting even more
valuable."
    Locate 20, 19
    Input "How much do you want to auction"; auction_amount
    Cls
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Locate 10, 15
    Print "Thank you for your auction!"
    Sleep 1
    Cls
    Call homepage

End Sub
Sub auction_van_gogh ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "VAN GOGH EAR"
    Locate 8, 10
    Print "The legendary Van Gogh's ear, that he cut off because his wife
wanted to do it. Questionable, but it is still a very good antique for
historians."
    Locate 20, 19
    Input "How much do you want to auction"; auction_amount
    Cls
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Locate 10, 15
    Print "Thank you for your auction!"
```

```
      Sleep 1
      Cls
      Call homepage


End Sub
Sub pets ()
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Locate 3, 16
      Print "PETS"
      Line (0, 35)-(318, 35)
      Locate 7, 16
      Print "DOG"
      Locate 9, 16
      Print "CAT"
      Locate 19, 16
      Input "Which pet do you want to see"; pet$
      If LCase$(Right$(pet$, 1)) = "d" Then
          Cls
          Call pets_dog
      ElseIf LCase$(Right$(pet$, 1)) = "c" Then
          Cls
          Call pets_cat
      Else
          Call mistake
      End If
End Sub
Sub pets_dog ()
      Line (0, 0)-(318, 0)
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Line (0, 40)-(318, 40)
      Locate 3, 15
      Print "PET DOG"
      Locate 8, 10
      Print "It is said that a dog is a man's best friend. We have the best
dogs in the whole world! Get your dog for you or your kids now."
      Locate 20, 19
      Input "Do you want to order this item"; dog$
      If LCase$(Left$(dog$, 1)) = "y" Then
```

```
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If

End Sub
Sub pets_dog_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Katlyn"
    Locate 8, 15
    'Product Name
    Print "Dog"
    Locate 8, 27
    'Remarks
    Print "Cute"
    Locate 8, 32
    'Date
    Print "11/25/2021"
    Locate 11, 2
```

Print "2"
Locate 11, 4
'Name
Print "David"
Locate 11, 15
'Product Name
Print "Dog"
Locate 11, 27
'Remarks
Print "Woohoo!"
Locate 11, 32
'Date
Print "6/3/2020"

Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Blueface"
Locate 13, 15
'Product Name
Print "Dog"
Locate 13, 27
'Remarks
Print "-"
Locate 13, 32
'Date
Print "11/4/2024"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Anonymous"
Locate 15, 15
'Product Name
Print "Dog"
Locate 15, 27
'Remarks
Print "-"
Locate 15, 32
'Date
Print "11/4/2024"

```
    Locate 18, 2
    Print "5"
    Locate 18, 4
    'Name
    Print "Anonymous"
    Locate 18, 15
    'Product Name
    Print "Dog"
    Locate 18, 27
    'Remarks
    Print "-"
    Locate 18, 32
    'Date
    Print "11/4/2024"

    Locate 21, 2
    Print "6"
    Locate 21, 4
    'Name
    Print "Jeremy"
    Locate 21, 15
    'Product Name
    Print "ASTROBALL"
    Locate 21, 27
    'Remarks
    Print "omg"
    Locate 21, 32
    'Date
    Print "11/4/1924"



End Sub
Sub pets_cat ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "PET CAT"
    Locate 8, 10
```

Print "Cats are a dog's enemy, as seen in the show Oggy and the Cockroaches. But, if you train them, the cat can be friendly with anyone. Get your cat today."
```
    Locate 20, 19
    Input "Do you want to order this item"; cat$
    If LCase$(Left$(cat$, 1)) = "y" Then
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If


End Sub
Sub pets_cat_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Sameeza"
    Locate 8, 15
    'Product Name
    Print "Cat"
```

```
Locate 8, 27
'Remarks
Print "cat"
Locate 8, 32
'Date
Print "11/4/2023"
Locate 11, 2
Print "2"
Locate 11, 4
'Name
Print "Sarthak"
Locate 11, 15
'Product Name
Print "Cat"
Locate 11, 27
'Remarks
Print "-"
Locate 11, 32
'Date
Print "7/1/2022"

Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Kushal"
Locate 13, 15
'Product Name
Print "Cat"
Locate 13, 27
'Remarks
Print "meow"
Locate 13, 32
'Date
Print "11/4/2022"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Dipen"
Locate 15, 15
'Product Name
```

```
Print "Cat"
Locate 15, 27
'Remarks
Print "Dipen"
Locate 15, 32
'Date
Print "11/4/2024"

Locate 18, 2
Print "5"
Locate 18, 4
'Name
Print "CatLover20"
Locate 18, 15
'Product Name
Print "Cat"
Locate 18, 27
'Remarks
Print "-"
Locate 18, 32
'Date
Print "4/4/2021"

Locate 21, 2
Print "6"
Locate 21, 4
'Name
Print "CatLover21"
Locate 21, 15
'Product Name
Print "Cat"
Locate 21, 27
'Remarks
Print "-"
Locate 21, 32
'Date
Print "4/4/2024"


End Sub
Sub books ()
   Line (0, 0)-(318, 0)
```

```
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Locate 3, 16
      Print "BOOKS"
      Line (0, 35)-(318, 35)
      Locate 11, 16
      Print "MATHEMATICS"
      Locate 15, 16
      Print "COMPUTER SCIENCE"
      Locate 19, 16
      Input "Which product do you want to see"; book$
      If LCase$(Left$(book$, 1)) = "m" Then
         Cls
         Call books_mathematics
      ElseIf LCase$(Left$(book$, 2)) = "c" Then
         Cls
         Call books_cs
      Else
         Call mistake
      End If

End Sub
Sub books_mathematics ()
      Line (0, 0)-(318, 0)
      Line (0, 0)-(0, 180)
      Line (0, 180)-(318, 180)
      Line (318, 0)-(318, 180)
      Locate 3, 16
      Print "MATHEMATICS"
      Line (0, 35)-(318, 35)
      Locate 11, 16
      Print "REAL ANALYSIS"
      Locate 13, 16
      Print "COMPLEX ANALYSIS"
      Locate 15, 16
      Print "CALCULUS ALL"
      Locate 17, 16
      Print "ALGEBRA ALL"
      Locate 19, 16
      Input "Which product do you want to see"; math$
      If LCase$(Left$(math$, 1)) = "r" Then
         Cls
```

```
            Call books_math_real_analysis
        ElseIf LCase$(Left$(math$, 2)) = "a" Then
            Cls
            Call books_math_calculus_all
        ElseIf LCase$(Left$(math$, 1)) = "a" Then
            Cls
            Call books_math_algebra_all
        ElseIf LCase$(Left$(math$, 2)) = "o" Then
            Cls
            Call books_math_complex_analysis
        Else
            Call mistake
        End If

End Sub
Sub books_math_real_analysis ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "REAL ANALYSIS"
    Locate 8, 10
    Print "Open your eyes with this real analysis book. It is best for BSc.
Mathematics Students."
    Locate 20, 19
    Input "Do you want to order this item"; ra$
    If LCase$(Left$(ra$, 1)) = "y" Then
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If


End Sub
Sub books_math_real_analysis_orders ()
```

Line (0, 0)-(318, 0)
Line (0, 0)-(0, 180)
Line (0, 180)-(318, 180)
Line (318, 0)-(318, 180)
Line (0, 40)-(318, 40)
Line (20, 40)-(20, 180)
Line (0, 50)-(318, 50)
Line (0, 70)-(318, 70)
Line (0, 90)-(318, 90)
Line (0, 110)-(318, 110)
Line (0, 130)-(318, 130)
Line (0, 150)-(318, 150)
Line (100, 40)-(100, 180)
Line (200, 40)-(200, 180)
Line (250, 40)-(250, 180)
Locate 8, 2
Print "1"
Locate 8, 4
'Name
Print "Prakrit"
Locate 8, 15
'Product Name
Print "Analysis"
Locate 8, 27
'Remarks
Print "Love"
Locate 8, 32
'Date
Print "11/4/2024"
Locate 11, 2
Print "2"
Locate 11, 4
'Name
Print "Euler"
Locate 11, 15
'Product Name
Print "Analysis"
Locate 11, 27
'Remarks
Print "-"
Locate 11, 32
'Date
Print "11/4/1729"

```
Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Bernoulli"
Locate 13, 15
'Product Name
Print "Analysis"
Locate 13, 27
'Remarks
Print "-"
Locate 13, 32
'Date
Print "11/4/2021"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Fermat"
Locate 15, 15
'Product Name
Print "Analysis"
Locate 15, 27
'Remarks
Print "-"
Locate 15, 32
'Date
Print "11/15/2021"

Locate 18, 2
Print "5"
Locate 18, 4
'Name
Print "Descartes"
Locate 18, 15
'Product Name
Print "Analysis"
Locate 18, 27
'Remarks
Print "-"
Locate 18, 32
```

```
    'Date
    Print "5/7/2019"

    Locate 21, 2
    Print "6"
    Locate 21, 4
    'Name
    Print "Turing"
    Locate 21, 15
    'Product Name
    Print "Analysis"
    Locate 21, 27
    'Remarks
    Print "-"
    Locate 21, 32
    'Date
    Print "11/4/2024"



End Sub
Sub books_math_complex_analysis ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "COMPLEX ANALYSIS"
    Locate 8, 10
    Print "Oh, so real analysis wasn't enough? Torture yourself with this
absolutely MARVELOUS Complex Analysis book. It contains all of
complex analysis, so it is really, REALLY not recommended for people
who have not messed around with math."
    Locate 20, 19
    Input "Do you want to order this item"; ca$
    If LCase$(Left$(ca$, 1)) = "y" Then
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
```

```
        Sleep 1
        Cls
        Call homepage
    End If


End Sub
Sub books_math_complex_analysis_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Prakrit"
    Locate 8, 15
    'Product Name
    Print "Complex"
    Locate 8, 27
    'Remarks
    Print "-"
    Locate 8, 32
    'Date
    Print "11/4/2024"
    Locate 11, 2
    Print "2"
    Locate 11, 4
    'Name
    Print "Goldbach"
    Locate 11, 15
```

```
'Product Name
Print "Complex"
Locate 11, 27
'Remarks
Print "-"
Locate 11, 32
'Date
Print "11/3/2017"

Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Gauss"
Locate 13, 15
'Product Name
Print "Complex"
Locate 13, 27
'Remarks
Print "-"
Locate 13, 32
'Date
Print "1/1/2000"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Lagrange"
Locate 15, 15
'Product Name
Print "Complex"
Locate 15, 27
'Remarks
Print "-"
Locate 15, 32
'Date
Print "5/7/2016"

Locate 18, 2
Print "5"
Locate 18, 4
'Name
```

```
    Print "Laplace"
    Locate 18, 15
    'Product Name
    Print "Complex"
    Locate 18, 27
    'Remarks
    Print "-"
    Locate 18, 32
    'Date
    Print "2/4/1999"

    Locate 21, 2
    Print "6"
    Locate 21, 4
    'Name
    Print "Fourier"
    Locate 21, 15
    'Product Name
    Print "Complex"
    Locate 21, 27
    'Remarks
    Print "-"
    Locate 21, 32
    'Date
    Print "4/5/2005"



End Sub
Sub books_math_calculus_all ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "CALCULUS"
    Locate 8, 10
    Print "Find out the wonders of calculus with this awesome book. It
contains integration, differentiation, limits, series, basically everything
that you need to know for calculus. Yes it does contain vector calculus
if you hate yourself that much."
    Locate 20, 19
```

```
    Input "Do you want to order this item"; cal$
    If LCase$(Left$(cal$, 1)) = "y" Then
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If


End Sub
Sub books_math_calculus_all_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "Prakrit"
    Locate 8, 15
    'Product Name
    Print "Calculus"
    Locate 8, 27
    'Remarks
    Print "-"
    Locate 8, 32
```

```
'Date
Print "10/4/2023"
Locate 11, 2
Print "2"
Locate 11, 4
'Name
Print "Newton"
Locate 11, 15
'Product Name
Print "Calculus"
Locate 11, 27
'Remarks
Print "Wait.."
Locate 11, 32
'Date
Print "11/4/1694"

Locate 13, 2
Print "3"
Locate 13, 4
'Name
Print "Leibniz"
Locate 13, 15
'Product Name
Print "Calculus"
Locate 13, 27
'Remarks
Print "-"
Locate 13, 32
'Date
Print "11/4/2021"

Locate 15, 2
Print "4"
Locate 15, 4
'Name
Print "Nerd"
Locate 15, 15
'Product Name
Print "Calculus"
Locate 15, 27
'Remarks
Print "Love"
```

```
        Locate 15, 32
        'Date
        Print "11/4/2024"

        Locate 18, 2
        Print "5"
        Locate 18, 4
        'Name
        Print "Niral"
        Locate 18, 15
        'Product Name
        Print "Calculus"
        Locate 18, 27
        'Remarks
        Print "-"
        Locate 18, 32
        'Date
        Print "12/11/2021"

        Locate 21, 2
        Print "6"
        Locate 21, 4
        'Name
        Print "Sambeed"
        Locate 21, 15
        'Product Name
        Print "Calculus"
        Locate 21, 27
        'Remarks
        Print "-"
        Locate 21, 32
        'Date
        Print "11/4/2021"


End Sub
Sub books_math_algebra_all ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
```

```
    Locate 3, 15
    Print "ALGEBRA"
    Locate 8, 10
    Print "Algebra is very simple. Fight me. Anyways, this book is one
of the best for learning algebra. Very beginner-friendly."
    Locate 20, 19
    Input "Do you want to order this item"; alg$
    If LCase$(Left$(alg$, 1)) = "y" Then
        Call order_placed
    Else
        Sleep 1
        Cls
        Locate 10, 15
        Print "Getting you to the home page..."
        Sleep 1
        Cls
        Call homepage
    End If


End Sub
Sub books_cs ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Locate 3, 16
    Print "COMPUTER SCIENCE"
    Line (0, 35)-(318, 35)
    Locate 15, 16
    Print "PYTHON"
    Locate 19, 16
    Input "Which product do you want to see(Theres really only one, do
not mess this up)"; math$
    If LCase$(Left$(math$, 1)) = "p" Then
        Cls
        Call books_cs_python
    Else
        Cls
        Print "did you really mess that up..."
        Sleep 1
        Cls
        Print "I guess you found this 'easter egg' lol"
```

```
        Sleep 1
        Cls
        Print "shameless promotion time: I AM NUMBER 86 ON
PrOBLEM 903 OF PROJECT EULER!!! I am also in the top 100 of
nepal leaderboards, as of right now, number 62."
        Cls
        Sleep 1
        Print "alright bye bye"
        Sleep 1
        Cls
        Print "i said bye bye"
        Sleep 1
        Cls
        Print "you know what ill stop this, i need to finish everything
else"
        Sleep 1
        Cls
        Print "just joking lol"
        Sleep 1
        Cls
        Print "ok for real this time"
        Sleep 1
        Cls
        Call mistake
    End If

End Sub
Sub books_cs_python ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Locate 3, 15
    Print "PYTHON"
    Locate 8, 10
    Print "No, this isnt the wrong section. If you're looking for a real
python, go to some Indian black market. Anyways, this book is really
great for people who want to learn python."
    Locate 20, 19
    Input "Do you want to order this item"; py$
    If LCase$(Left$(py$, 1)) = "y" Then
        Call order_placed
```

```
            Else
                Sleep 1
                Cls
                Locate 10, 15
                Print "Getting you to the home page..."
                Sleep 1
                Cls
                Call homepage
            End If


End Sub
Sub books_cs_python_orders ()
    Line (0, 0)-(318, 0)
    Line (0, 0)-(0, 180)
    Line (0, 180)-(318, 180)
    Line (318, 0)-(318, 180)
    Line (0, 40)-(318, 40)
    Line (20, 40)-(20, 180)
    Line (0, 50)-(318, 50)
    Line (0, 70)-(318, 70)
    Line (0, 90)-(318, 90)
    Line (0, 110)-(318, 110)
    Line (0, 130)-(318, 130)
    Line (0, 150)-(318, 150)
    Line (100, 40)-(100, 180)
    Line (200, 40)-(200, 180)
    Line (250, 40)-(250, 180)
    Locate 8, 2
    Print "1"
    Locate 8, 4
    'Name
    Print "David"
    Locate 8, 15
    'Product Name
    Print "Python"
    Locate 8, 27
    'Remarks
    Print "-"
    Locate 8, 32
    'Date
    Print "11/4/1984"
    Locate 11, 2
```

```
Print "2"
Locate 11, 4
'Name
Print "Bergcamp"
Locate 11, 15
'Product Name
Print "Python"
Locate 11, 27
'Remarks
Print "-"
Locate 11, 32
'Date
Print "2/23/2004"

End Sub
```

8. SCREENSHOTS:

Note that these are only some of the screenshots as putting all of them into the document will just put in more pages unnecessarily. Most of the graphics is the same anyway, so it does not really matter.

remove activate windows

```
        HOME PAGE



        ADMIN


     NORMAL USER




  Which user are you? ■
```

1	Dave	Complex	–	11/4/2023
2	Knee Grow	Complex	Nice	11/4/2024

Press any key to continue

```
                LOG IN
   ───────────────────────────────

   ENTER YOUR KEY?  ■
```

-

9. REFERENCE
   - None :(