# T1A3

# TERMINAL APP

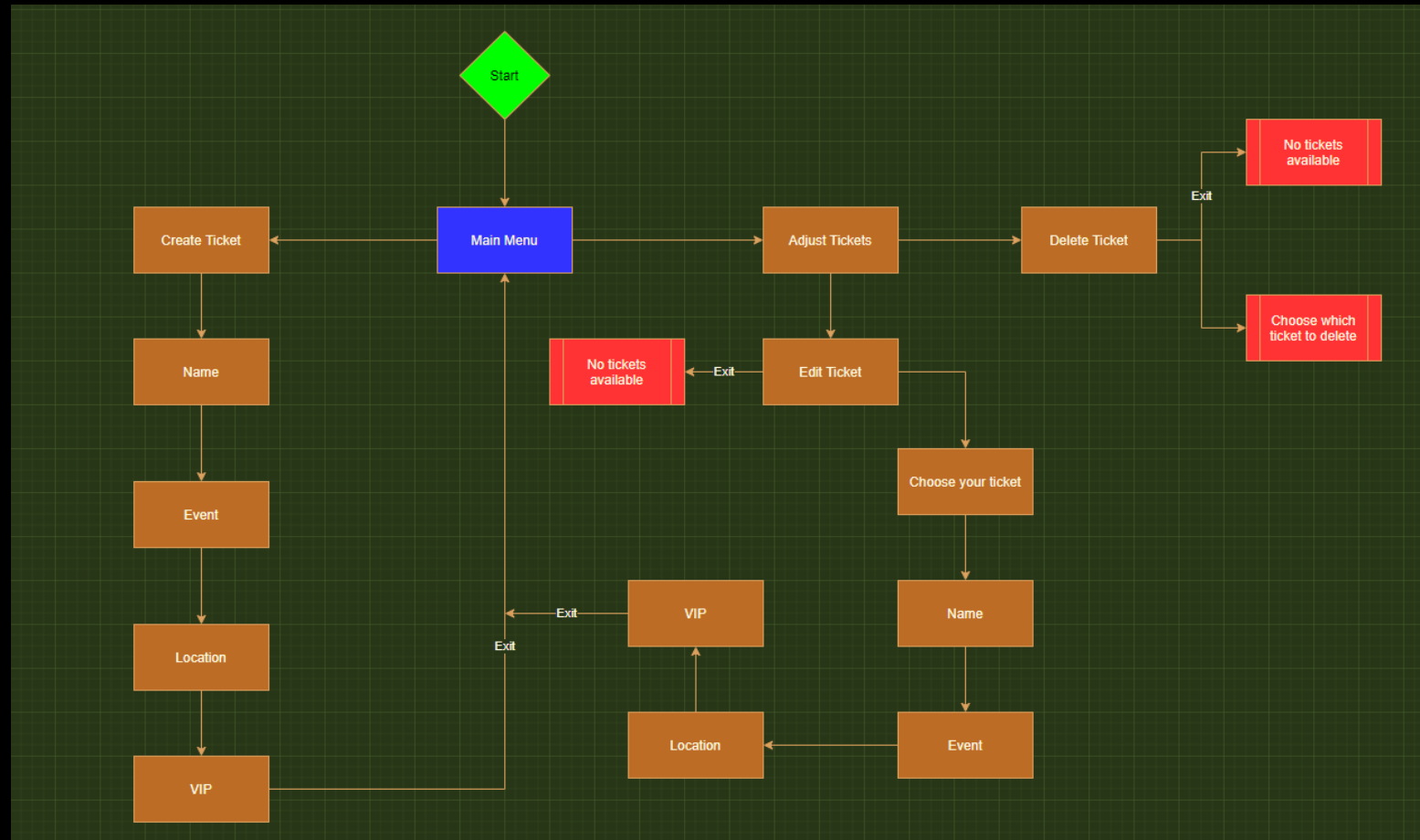By Muhammed Khan



EVENT TICKETS

```
Welcome to Event Tickets

Main Menu

Your options are: (Press ↑/↓ arrow to move and Enter to select)
> Buy a Ticket
  Adjust Tickets
  Exit
```

# WHY EVENT TICKETS



Source: sony.playstation.com

# CONTROL FLOW DIAGRAM

# MAIN MENU

- Tty-prompt

- Colorize

- Artii

- Buy a Ticket

- Edit Tickets

## CODE BEHIND WHAT YOU SEE

```ruby
# Main menu
def main
    system("clear")
    prompt = TTY::Prompt.new
    list_of_tickets = []
    loop do
        system("clear")
        a = Artii::Base.new  :font => 'slant'
        puts a.asciify('EVENT TICKETS').colorize(:red)
        puts "Welcome to Event Tickets"
        puts ""
    puts "Main Menu"
        selection = prompt.select("\nYour options are:") do |menu|
            menu.choice "Buy a Ticket"
            menu.choice "Adjust Tickets"
            menu.choice "Exit"
        end
        if selection == "Buy a Ticket"
            new_ticket = create_ticket()
            list_of_tickets.push new_ticket
        elsif selection == "Adjust Tickets"
            list_of_tickets = ticket_adjust(list_of_tickets)
        else
            exit
        end
    end
end
```

- Arrays

- Loops

- Conditionals

# BUYING A TICKET

- Name

- Event

- Location

- Are you a VIP

- Receipt

# THE COGS IN THE MACHINE

```ruby
def create_ticket
    system("clear")
    a = Artii::Base.new  :font => 'slant'
    puts a.asciify('EVENT TICKETS').colorize(:red)
    prompt = TTY::Prompt.new
    puts "Please enter your name."
    puts ""
    puts "From: (E.g 'John Smith')"
    name = gets.chomp
    event = prompt.select("Choose your Event:") do |menu|
        menu.choice 'Trance'
        menu.choice 'Rock'
        menu.choice 'Museum'
        menu.choice 'Stereosonic'
    end
    location = prompt.select("Choose a Location:") do |menu|
        menu.choice 'Front'
        menu.choice 'Middle'
        menu.choice 'Back'
        menu.choice 'Anywhere'
    end
    vip = prompt.select("Are you a VIP:") do |menu|
        menu.choice 'Yes'
        menu.choice 'No'
        menu.choice 'If available/free upgrade'
    end
    return Ticket.new(name, event, location, vip)
end
```

# NOW THE FUN PART XD

# ADJUST YOUR TICKET

- Editing a ticket

- Cancellation

# EVENT TICKETS

No tickets purchased. Press 'Enter' to return to menu.

# EVENT TICKETS

Select a ticket to adjust:
    1
    2
  ▸ 3
    4
    5
    6

# EVENT TICKETS

Select a ticket to adjust: 3
What would you like to adjust? (Press ↑/↓ arrow to move and Enter to select)
  ▸ Name
    Event
    Location
    VIP

# HOW TO EDIT

```ruby
def ticket_edit(tickets)
    system("clear")
    a = Artii::Base.new  :font => 'slant'
    puts a.asciify('EVENT TICKETS').colorize(:red)
    prompt = TTY::Prompt.new
  if tickets.empty? == false
    edit_selection = prompt.select("Select a ticket to adjust:") do |menu|
        tickets.each do |ticket|
        menu.choice (tickets.index(ticket) +1)
      end
    end
  else
    puts "No tickets purchased. Press 'Enter' to return to menu."
    gets
    return
  end
```

```ruby
ticket_attribute_selection = prompt.select("What would you like to adjust?") do |menu|
    menu.choice "Name", 1
    menu.choice "Event", 2
    menu.choice "Location", 3
    menu.choice "VIP", 4
end
edit_selection = edit_selection.to_i - 1
```

```ruby
case ticket_attribute_selection
when 1
    puts "Enter new name:"
    name = gets.chomp
    tickets[edit_selection].name = name
when 2
    event = prompt.select("Choose your event:") do |menu|
        menu.choice 'Trance'
        menu.choice 'Rock'
        menu.choice 'Country'
        menu.choice 'Hip Hop'
    end
    tickets[edit_selection].event = event
when 3
    location = prompt.select("Choose a Location:") do |menu|
        menu.choice 'Front'
        menu.choice 'Middle'
        menu.choice 'Back'
        menu.choice 'Anywhere'
    end
    tickets[edit_selection].location = location
when 4
    vip = prompt.select("Are you a VIP:") do |menu|
        menu.choice 'Yes'
        menu.choice 'No'
        menu.choice 'IF available/Free upgrade'
    end
    tickets[edit_selection].vip = vip
end
end
```

# FINALLY

# DELETE A CHOSEN TICKET

# CODE
# INVOLVED

```ruby
def ticket_delete(tickets)
    system("clear")
    a = Artii::Base.new  :font => 'slant'
    puts a.asciify('EVENT TICKETS').colorize(:red)
  prompt = TTY::Prompt.new
  if tickets.empty? == false
    delete_selection = prompt.select("What ticket would you like to cancel:") do |menu|
        tickets.each do |ticket|
        menu.choice (tickets.index(ticket) + 1)
      end
    end
  else
    puts "No tickets purchased. Press 'Enter' to return to menu."
    gets
    return
  end
    tickets.delete_at(delete_selection.to_i - 1)
end
```

THOUGHTS AND WHAT IS LEFT