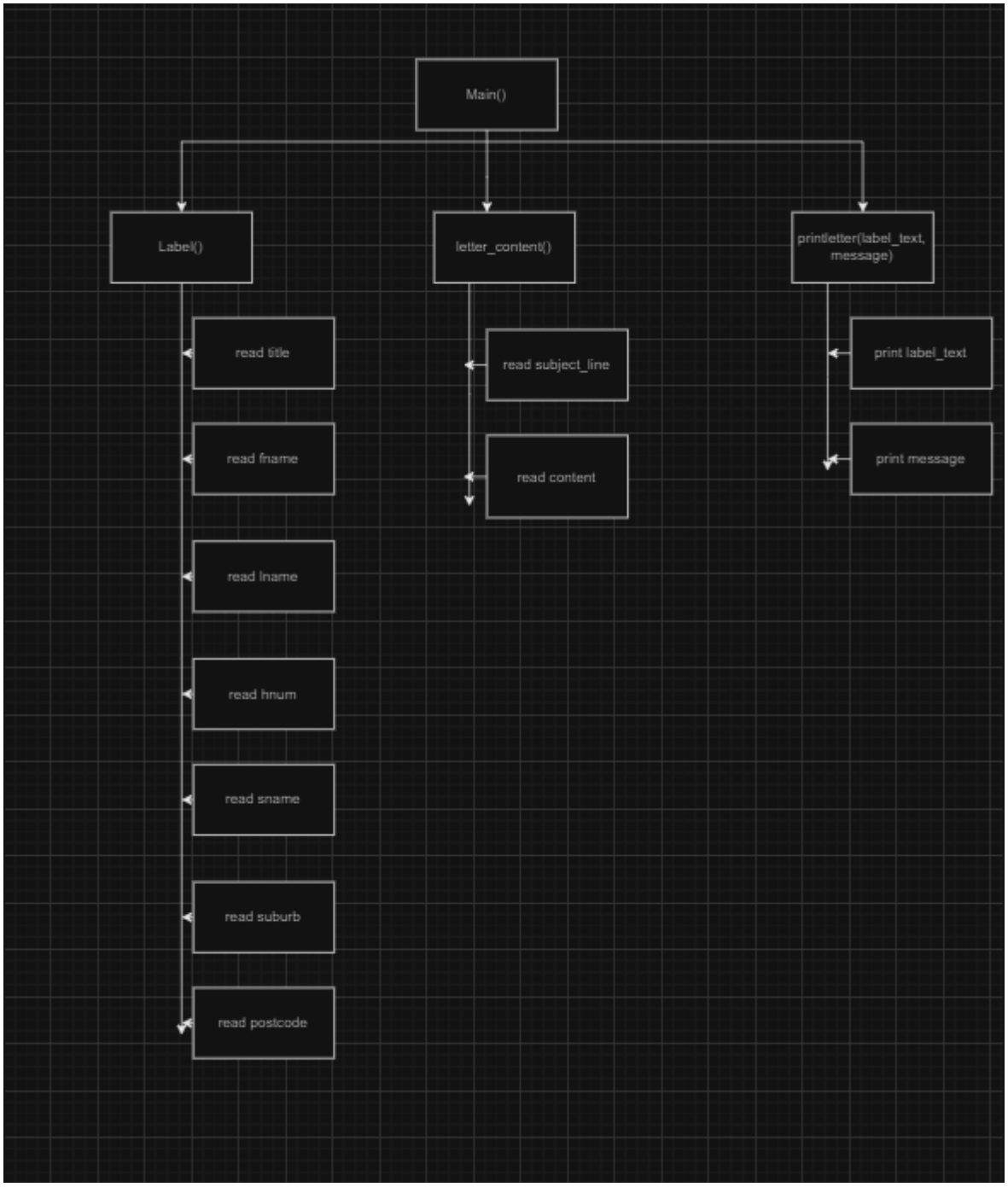
Pseudocode

```
Function read_string
        return read_string
end function

function read_float
        return value.to_float
end function

function read_integer
         return value.to_integer
end function

function read_integer_in_range
        value = read_integer
        while (value <min or value > max)
       display “Please enter a value between #{max} and #{min}: “
      value = read_integer
end while
return value

main()
  name_initial = read_string( ‘please enter your title:(Mr,Mrs,Ms,Miss, Dr)’)
  first_name = read_string( ‘please enter your first name:  ’)
  last_name = read_string( ‘please enter your last name:  ‘)
  House_number = read_string( ‘please enter the house or unit number: ’)
  street_name = read_string( ‘please enter the street name: ’)
  suburb = read_string( ‘please enter a suburb: ’)
  postcode = read_integer_in-range (‘Please enter a postcode: (0000-9999) ‘,0000,9999)
  subject_line read_string( ‘please enter your message on the subject line:  ’)
  suburb = read_string( ‘please enter your message content: ’)

 print (name_initial + firstname + last_name)
 print (House_number+street_name)
 print (suburb+ postcode.to_string)
 print (“Re: “+ subject_line)
 print (message_content)
end
```

structure chart



Code image

```ruby
require_relative "./input_functions"



def label()
    # ask user to enter their title
    title = read_string('Please enter your title: (Mr, Mrs, Ms, Miss, Dr)')
    # ask user to enter their first name
    fname = read_string('Please enter your first name:')
    # ask user to enter their last name
    lname = read_string('Please enter your last name:')
    # ask user to enter their house or unit number
    hnum = read_string('Please enter the house or unit number:')
    # ask user to enter their street name
    sname = read_string('Please enter the street name:')
    # ask user to enter their suburb
    suburb = read_string('Please enter the suburb:')
    # ask user to enter their postcode
    postcode = read_integer_in_range("Please enter a postcode (0000 - 9999)", 0000, 9999).to_s

    return title + " " + fname + " " + lname + "\n" + hnum + " " + sname +
    "\n" + suburb + " " + postcode
end

# Return the contents of the letter / message to be send
def letter_content()
    # Prompt user to enter their subject line
    subject_line = read_string('Please enter your message subject line:')
    # Prompt user to enter their message content
    content = read_string('Please enter your message content:')


    return ('RE: ') + subject_line + "\n\n" + content #printing the subject_line and content
end

# Prints the label and message
def printletter(label_text, message)
    puts label_text
    puts message
end

def main()
    # Arrange the user inputs
    label_text = label() #taking from the first function
    message = letter_content() #taking from the second function

    # Print out the label(title,etc) and the message
    printletter(label_text, message)
end

# Call the main function
main()
```