

```

import tkinter as tk
from tkinter import ttk
import random, math, threading
# Initializing a ton of variables used throughout the code
totalClips = 0
money = 0.0
unsoldClips = 0
clipCost = 0.25
wire = 1000
demand = 32
marketLvl = 1
marketCost = 100.0
wireCost = 20
wirePriceCounter = 0
wiresBought = 0
fib1 = 1
fib2 = 2
nextTrust = 2000
upgrades = [
    1.0, #autoclippers
    1.0, #megaclippers
    1.0, #wire
    1.0 #marketing
]
timers = {
    'wirePrice':0
}
trustVars = {
    'trust': 2,
    'nextClip': 3000,
    'proc': 1,
    'mem': 1,
    'ops': 0,
    'creat': 0
}
autoClippers = 0
megas = 0
clipperCost = 5.0
megaCost = 500.0
#This is class to make code further on much more readable, and to remove all 'magic
numbers'
class upgradeEnum:

```

```

def __init__(self):
    self.autoClippers = 0
    self.megas = 1
    self.wire = 2
    self.marketing = 3
ups = upgradeEnum()
#adds 1 to your trust, this is so I can add a variable amount of trust in button/bind
commands
def getTrust(amt):
    trustVars['trust'] += amt
#function to sell clips.
def sellClips(amt):
    global money, unsoldClips
    #makes sure the user has unsold clips
    if unsoldClips > 0:
        if amt > unsoldClips: #if the amount planned on being sold is more than unsold
clips, it just sells all unsold clips for the clipCost
            money += round((unsoldClips * clipCost), 2)
            unsoldClips = 0
        else: #if the amount planned on being sold is less than the unsold clips, it sells
said amount for clipCost
            money += round((amt * clipCost), 2)
            unsoldClips -= amt

#variables to determine when to unlock different things
hidden = {
    'clipper': True,
    'trust': True,
    'wireBuy': False,
    'creat': False
}
#function repeatedly ran that unlocks different things when their milestone is
released, adjusts prices, and sells/makes paperclips
def updateText():
    global timers, wireCost, wirePriceCounter, clipper
    tempDemand = demand * upgrades[3]
    if money >= 5 and hidden['clipper']:
        ownClippers.pack(anchor='w')
        hidden['clipper'] = False
    if totalClips >= 2000 and hidden['trust']:
        midFrame.grid(row=0, column=1, sticky='nsew')
        window.columnconfigure(1, weight=1, uniform='group1')

```

```

        hidden['trust'] = False
    if wire < 1 and hidden['wireBuy']:
        wireBuy()
    rand = random.random()
    if rand < (demand / 100):
        sellClips(round(.7 * ((demand) ** 1.15)))
    timers['wirePrice'] += 1
    if timers['wirePrice'] % 25 == 0 and wireCost > 15:
        wireCost -= (wireCost/1000)
        timers['wirePrice'] = 0
    if rand < 0.015:
        wirePriceCounter += 1
        adjustPrice = 6*math.sin(wirePriceCounter)
        wireCost += adjustPrice
    makePaperclip(autoClippers/10*upgrades[0])
    makePaperclip(megas*50*upgrades[1])
    funds.config(text='Available Funds: ${:.2f}'.format(money))
    wireCostLabel.config(text='Cost: ${}'.format(round(wireCost)))
    leftFrame.after(100, updateText)

#function to make a variable amount of paperclips
def makePaperclip(amt):
    global totalClips, wire, unsoldClips
    #checks to see if theres enough wire, if not, it just makes all the wire thats left
    if amt > wire:
        amt = wire
    #adds the clips that were made into totalClips and unsoldClips, and removes the right
    amount of wire
    totalClips += amt
    unsoldClips += amt
    wire -= amt
    #updates all the text to show accurate numbers
    totalPaperClips.config(text='Paperclips: {}'.format(int(totalClips)))
    wireOwned.config(text='{} inches'.format(int(wire)))
    unsold.config(text='Unsold Inventory: {}'.format(int(unsoldClips)))
#function to change price of clip
def changeCost(amt):
    global clipCost, demand
    #changes the price of the clip by the amount
    clipCost += amt
    #adjusts the market price according to the next cost
    market = 1.1 ** (marketLvl - 1)

```

```

demand = .8/clipCost * market
#updates the text to show accurate numbers
showPrice.config(text='Price per Clip: ${:.2f}'.format(clipCost+0.001))
dispDemand.config(text='Public Demand: {}'.format(round(demand*10)))
#function to upgrade marketing
def upMarketing():
    global marketLvl, marketCost, money, demand
    #makes sure the user has enough money
    if money > marketCost:
        #adds 1 to the marketing lvl
        marketLvl += 1
        #takes money from the user
        money -= marketCost
        #adjusts the cost of marketing
        marketCost *= 2
        #adjusts the public demand
        market = 1.1 ** (marketLvl - 1)
        demand = .8/clipCost * market
        #update all the text
        dispMarket.config(text='Level: {}'.format(int(marketLvl)))
        dispDemand.config(text='Public Demand: {}'.format(round(demand*10)))
        marketingCost.config(text='Cost: {}'.format(marketCost))
        funds.config(text='Available Funds: ${:.2f}'.format(money))
#function to buy wire
def wireBuy():
    global wire, money, wiresBought
    #makes sure the user has enough money
    if money > wireCost:
        #buys wire determined by any upgrades the user has
        wire += 1000 * upgrades[2]
        #takes the users money
        money -= wireCost
        #adds the wire bought to a variable used for unlocking upgrades
        wiresBought += 1000 * upgrades[2]
        #updates text
        wireOwned.config(text='{} inches'.format(wire))
        funds.config(text='Available Funds: ${:.2f}'.format(money))
#buys an autoclipper
def clipperBuy():
    global autoClippers, clipperCost, money
    #makes sure the user has enough money
    if money >= clipperCost:

```

```

    #buys an autoclipper
    autoClippers += 1
    #takes the money
    money -= clipperCost
    #updates the clipper cost
    clipperCost = 1.1 ** autoClippers + 5
    #updates text
    clippersOwned.config(text=str(autoClippers))
    dispClipperCost.config(text='Cost: {:.2f}'.format(clipperCost))
    funds.config(text='Available Funds: {:.2f}'.format(money))
#function to buy a megaclipper
def megaBuy():
    global megas, megaCost, money
    #makes sure the user has enough money
    if money > megaCost:
        #buys a mega clipper
        megas += 1
        #takes the money
        money -= megaCost
        #updates megaclipper cost
        megaCost = (1.07 ** megas) * 1000
        #updates text
        megasOwned.config(text=str(megas))
        dispMegaCost.config(text='Cost: {:.2f}'.format(megaCost))
        funds.config(text='Available Funds: {:.2f}'.format(money))
#function to input cheats, usually used for testing purposes
def cheats():
    #makes sure the window is still open while it runs the infinite loop
    while not windowClosed:
        #gets the input split into a list by = without spaces
        cheat = list(map(lambda x: x.strip(), input().split('=')))
        #this is used to see what variables are
        if cheat[0] == 'get':
            try:
                if cheat[1] == 'all': #prints every variable that exists, and then goes back to
the beginning so it doesn't raise some errors
                    print(globals())
                    continue
                try: #prints whatever variable you asked for, and then goes back to the
beginning so it doesnt raise errors
                    print(globals()[cheat[1]])

```



```

totalPaperClips = tk.Label(leftFrame, text='Paperclips: 0', font=('Helvetica', 24,
'bold'))
#button to make a paperclip
makeClip = tk.Button(leftFrame, text='Make Paperclip',
command=lambda:makePaperclip(1), justify=tk.LEFT)
#title of the business section
busLabel = tk.Label(leftFrame, text='Business', justify=tk.LEFT)
#small separator for looks
busSep = ttk.Separator(leftFrame, orient='horizontal')
#shows current money
funds = tk.Label(leftFrame, text='Available Funds: {}'.format(money))
#shows unsold clips
unsold = tk.Label(leftFrame, text='Unsold Inventory: {}'.format(unsoldClips))
#frame for layout purposes
adjPrice = tk.Frame(leftFrame)
#button to lower clip price
lowerPrice = tk.Button(adjPrice, text='lower', command = lambda:changeCost(-0.01))
#button to raise clip price
raisePrice = tk.Button(adjPrice, text='raise', command = lambda:changeCost(0.01))
#shows clip price
showPrice = tk.Label(adjPrice, text='Price per Clip: {}'.format(clipCost))
#packs everything onto the frame
lowerPrice.pack(side='left')
raisePrice.pack(side='left')
showPrice.pack(side='left')
#shows public demand
dispDemand = tk.Label(leftFrame, text='Public Demand: {}'.format(demand))
#small separator for looks
sep0 = tk.Label(leftFrame, text=' ')
#frame for layout purposes
marketFrame = tk.Frame(leftFrame)
#button to upgrade marketing
upgradeMarket = tk.Button(marketFrame, text='Marketing', command = upMarketing)
#shows current marketing level
dispMarket = tk.Label(marketFrame, text='Level: {}'.format(marketLvl))
#packs everything onto the frame
upgradeMarket.pack(side='left')
dispMarket.pack(side='left')
#shows cost to upgrade marketing
marketingCost = tk.Label(leftFrame, text='Cost: {}'.format(marketCost))
#small separator for looks
sep1 = tk.Label(leftFrame, text=' ')

```

```

#title of manufacturing section
manLabel = tk.Label(leftFrame, text='Manufacturing', font=('Helvetica', 14, 'bold'))
#small separator for looks
manSep = ttk.Separator(leftFrame, orient='horizontal')
#small separator for looks
sep2 = tk.Label(leftFrame, text=' ')
#frame for layout purposes
ownWire = tk.Frame(leftFrame)
#button to buy wire
buyWire = tk.Button(ownWire, text='Wire', command=wireBuy)
#shows current wire owned
wireOwned = tk.Label(ownWire, text='{} inches'.format(wire))
#packs everything onto frame
buyWire.pack(side='left')
wireOwned.pack(side='left')
#shows wire cost
wireCostLabel = tk.Label(leftFrame, text='Cost: {}'.format(wireCost))
#small separator for looks
sep3 = tk.Label(leftFrame, text=' ')
#frame for layout purposes
ownClippers = tk.Frame(leftFrame)
#button to buy AutoClippers
buyClipper = tk.Button(ownClippers, text='AutoClippers', command=clipperBuy)
#shows autoclippers owned
clippersOwned = tk.Label(ownClippers, text=str(autoClippers))
#shows cost of clippers
dispClipperCost = tk.Label(ownClippers, text='Cost: {}'.format(clipperCost))
#packs everything onto the label
buyClipper.grid(row=0, column=0, sticky='w')
clippersOwned.grid(row=0, column=1, sticky='w')
dispClipperCost.grid(row=1, column=0, columnspan=2, sticky='w')
#frame for layout purposes
ownMegas = tk.Frame(leftFrame)
#button to buy MegaClippers
buyMega = tk.Button(ownMegas, text='MegaClippers', command=megaBuy)
#shows megaclippers owned
megasOwned = tk.Label(ownMegas, text=str(megas))
#shows cost of clippers
dispMegaCost = tk.Label(ownMegas, text='Cost: {}'.format(megaCost))
#packs everything onto the label
buyMega.grid(row=0, column=0, sticky='w')
megasOwned.grid(row=0, column=1, sticky='w')

```



```

dispMegaCost.grid(row=1, column=0, columnspan=2, sticky='w')
#puts everything above onto the left frame
totalPaperClips.pack(anchor='w')
makeClip.pack(anchor='w')
busLabel.pack(anchor='w')
busSep.pack(anchor='w', fill='x')
funds.pack(anchor='w')
unsold.pack(anchor='w')
adjPrice.pack(anchor='w')
dispDemand.pack(anchor='w')
sep0.pack(anchor='w')
marketFrame.pack(anchor='w')
marketingCost.pack(anchor='w')
sep1.pack(anchor='w')
manLabel.pack(anchor='w')
manSep.pack(anchor='w', fill='x')
ownWire.pack(anchor='w')
wireCostLabel.pack(anchor='w')

#make a frame to store trust and everything related
midFrame = tk.Frame(window)
#small separator for looks
midsep0 = tk.Label(midFrame, text=' ', font=('Helvetica', 24, 'bold'))
#title of computational resources section
compLabel = tk.Label(midFrame, text='Computational Resources', font=('Helvetica', 14,
'bold'))
#small separator for looks
compSep = ttk.Separator(midFrame, orient='horizontal')
# shows current trust
trustLabel = tk.Label(midFrame, text='Trust: 2')
#shows how long until next trust level
nextTrustLabel = tk.Label(midFrame, text='+1 Trust at: 3,000 clips')
#small separator for looks
midsep1 = tk.Label(midFrame, text=' ')
#frame for layout purposes
trustBuyFrame = tk.Frame(midFrame)
#button to buy a processor
procBuy = tk.Button(trustBuyFrame, text='Processors',
command=lambda:trustVars.update({'proc': trustVars['proc']+1}))
#shows current processors
procAmt = tk.Label(trustBuyFrame, text='1')
#button to buy memory

```

```

memBuy = tk.Button(trustBuyFrame, text='Memory',
command=lambda:trustVars.update({'mem': trustVars['mem']+1}))
#shows current memory
memAmt = tk.Label(trustBuyFrame, text='1')
#puts everything on the frame
procBuy.grid(row=0, column=0, sticky='ew')
procAmt.grid(row=0, column=1)
memBuy.grid(row=1, column=0, sticky='ew')
memAmt.grid(row=1, column=1)
#shows current ops
opsLabel = tk.Label(midFrame, text='Operations: 0 / 1000')
#shows current creativity
creatLabel = tk.Label(midFrame, text='Creativity: 0')
#shows projects
projLabel = tk.Label(midFrame, text='Projects', font=('Helvetica', 14, 'bold'))
#small separator for looks
midsep2 = ttk.Separator(midFrame, orient='horizontal')
#frame to dynamically store projects
projects = tk.Frame(midFrame)
#empty lists to check with later
projectsUnlocked = []
projectsBought = []

#packs everything above onto the middle frame
midsep0.pack(anchor='w')
compLabel.pack(anchor='w')
compSep.pack(anchor='w', fill='x')
trustLabel.pack(anchor='w')
nextTrustLabel.pack(anchor='w')
trustBuyFrame.pack(anchor='w', pady=5)
opsLabel.pack(anchor='w')
creatLabel.pack(anchor='w')
projLabel.pack(anchor='w')
projects.pack(anchor='w')
#puts the left frame onto the window
leftFrame.grid(row=0, column=0, sticky="nsew")
#as far as im concerned this is magic, but it makes the window formatting work
window.columnconfigure(0, weight=1, uniform='group1')
window.rowconfigure(0, weight=1)

#class to store information about projects
class project:

```

```

#init function, get and assign the project name, description, cost, master, and
command
def __init__(self, name, description, cost, master=projects, command=None, **kwargs):
    self.name = name
    self.desc = description
    if not command == None:
        self.command = command
    else:
        self.command = lambda:None
    for arg in kwargs:
        setattr(self, arg, kwargs[arg])
    tempName = "\n" + name + " ("
    for i in cost:
        tempName += str(cost[i]) + ' ' + str(i) + ', '
    self.cost = cost
    tempName = tempName[:-2]+')'
    tempName += '\n' + description
    self.button = tk.Text(master, spacing3 = 5, wrap='word', height=4,width=40,
foreground='black', background='#C8C8C8', highlightthickness=2,
highlightbackground='black')
    self.button.insert(1.0, tempName)
    self.button.config(state='disabled')
    self.button.tag_config('notbold', font=('Helvetica', 13), justify='center')
    self.button.tag_config('bold', font=('Helvetica', 13, 'bold'), justify='center')
    self.button.tag_add('notbold', 1.0, 'end')
    self.button.tag_add('bold', 2.0, '2.{}'.format(len(name)))
    self.button.bind('<Button-1>', self.click)
#function to pack the text included in the class
def pack(self):
    self.button.pack()
#function ran on click
def click(self, event):
    #checks to make sure the user has all required resources
    for value in self.cost:
        if value in ['ops', 'Creat', 'Trust']:
            if not trustVars[value.lower()] >= self.cost[value]:
                return None
        elif value == '$':
            if not globals()['money'] >= self.cost[value]:
                return None
    #spends all of said resources
    for value in self.cost:

```



```

    #checks if the user has too many ops, in which case it fixes it
    trustVars['ops'] = trustVars['mem'] * 1000
#updates text
opsLabel['text'] = 'Operations: {} / {}'.format(int(trustVars['ops']+0.1),
trustVars['mem'] * 1000)
#calculate trust, ran every tick
def calcTrust():
    global fib1, fib2, nextTrust, fibNext
    #checks if the user has enough clips
    if (totalClips >= nextTrust):
        #get 1 trust
        getTrust(1)
        #set the cost of the next upgrade using the fibonacci sequence
        fibNext = fib1 + fib2
        nextTrust = fibNext * 1000
        fib1 = fib2
        fib2 = fibNext
        #update text
        trustLabel['text'] = 'Trust: {}'.format(int(trustVars['trust']))
        nextTrustLabel['text'] = '+1 Trust at {} clips'.format(nextTrust)

#variables for calculating creativity
creatCount = 0
creatSpeed = 0
def calcCreat():
    global creatCount, creatSpeed
    #set the speed the user gains creativity
    creatSpeed = (math.log(trustVars['proc'], 10)) * (trustVars['proc'] ** 1.1) +
(trustVars['proc']-1)
    #checks if the user has creativity, and checks if the user has maxed their ops
    if hidden['creat'] and trustVars['ops'] >= trustVars['mem'] * 1000:
        #go to the next creat count
        creatCount += 1
        try:
            #determines how often you gain creativity
            creatThresh = 400 / creatSpeed
        except ZeroDivisionError:#make sure the program doesnt break if creatSpeed is 0
            return None
        if creatCount >= creatThresh: #if the timer has gone on long enough and now you can
            make creativity
            if creatThresh >= 1:
                #if you would be making less than 1 creativity, make 1

```

```

        trustVars['creat'] += 1
    else:
        #make some amount of creativity determined by ur speed
        trustVars['creat'] += creatSpeed/400
        #reset timer to 0
        creatCount = 0
    #update creativity text
    creatLabel['text'] = 'Creativity: {}'.format(int(trustVars['creat']))

#function to update projects
#this function is really long, but it's really all just checking a set of booleans
#usually whether some other upgrade is purchased
#and checking whether it's already been unlocked
#so it doesnt get unlocked twice
#and if the set of booleans is fulfilled
#it packs whichever project has those requirements
#and adds it to the list of projects that were unlocked already
def updateProjects():
    if autoClippers > 0 and improved_autoClippers not in projectsUnlocked:
        projectsUnlocked.append(improved_autoClippers)
        improved_autoClippers.pack()
    if improved_autoClippers in projectsBought and even_better_autoClippers not in projectsUnlocked:
        projectsUnlocked.append(even_better_autoClippers)
        even_better_autoClippers.pack()
    if even_better_autoClippers in projectsBought and optimized_autoClippers not in projectsUnlocked:
        projectsUnlocked.append(optimized_autoClippers)
        optimized_autoClippers.pack()
    if the_hadwiger_problem in projectsBought and hadwiger_clip_diagrams not in projectsUnlocked:
        projectsUnlocked.append(hadwiger_clip_diagrams)
        hadwiger_clip_diagrams.pack()
    if autoClippers >= 75 and megaClippers not in projectsUnlocked:
        projectsUnlocked.append(megaClippers)
        megaClippers.pack()
    if megaClippers in projectsBought and improved_megaClippers not in projectsUnlocked:
        projectsUnlocked.append(improved_megaClippers)
        improved_megaClippers.pack()
    if improved_megaClippers in projectsBought and even_better_megaClippers not in projectsUnlocked:
        projectsUnlocked.append(even_better_megaClippers)

```

```

    even_better_megaClippers.pack()
    if even_better_megaClippers in projectsBought and optimized_megaClippers not in
projectsUnlocked:
        projectsUnlocked.append(optimized_megaClippers)
        optimized_megaClippers.pack()
    if money < wireCost and wire < 1 and beg_for_more_wire not in projectsUnlocked:
        projectsUnlocked.append(beg_for_more_wire)
        beg_for_more_wire.pack()
    if wiresBought >= 1 and improved_wire_extrusion not in projectsUnlocked:
        projectsUnlocked.append(improved_wire_extrusion)
        improved_wire_extrusion.pack()
    if wire >= 1500 and optimized_wire_extrusion not in projectsUnlocked:
        projectsUnlocked.append(optimized_wire_extrusion)
        optimized_wire_extrusion.pack()
    if wiresBought >= 15000 and wireBuyer not in projectsUnlocked:
        projectsUnlocked.append(wireBuyer)
        wireBuyer.pack()
    if wire >= 2600 and microlattice_shapecasting not in projectsUnlocked:
        projectsUnlocked.append(microlattice_shapecasting)
        microlattice_shapecasting.pack()
    if wire >= 5000 and spectral_froth_annealmant not in projectsUnlocked:
        projectsUnlocked.append(spectral_froth_annealmant)
        spectral_froth_annealmant.pack()
    if spectral_froth_annealmant in projectsBought and quantum_foam_annealmant not in
projectsUnlocked:
        projectsUnlocked.append(quantum_foam_annealmant)
        quantum_foam_annealmant.pack()
    if lexical_processing in projectsBought and new_slogan not in projectsUnlocked:
        projectsUnlocked.append(new_slogan)
        new_slogan.pack()
    if combinatorial_harmonics in projectsBought and catchy_jingle not in projectsUnlocked:
        projectsUnlocked.append(catchy_jingle)
        catchy_jingle.pack()
    if catchy_jingle in projectsBought and hypno_harmonics not in projectsUnlocked:
        projectsUnlocked.append(hypno_harmonics)
        hypno_harmonics.pack()
    if trustVars['ops'] == trustVars['mem'] * 1000 and creativity not in
projectsUnlocked:
        projectsUnlocked.append(creativity)
        creativity.pack()
    if creativity in projectsBought and limerick not in projectsUnlocked:
        projectsUnlocked.append(limerick)

```

```

    limerick.pack()
if trustVars['creat'] >= 50 and lexical_processing not in projectsUnlocked:
    projectsUnlocked.append(lexical_processing)
    lexical_processing.pack()
if trustVars['creat'] >= 100 and combinatory_harmonics not in projectsUnlocked:
    projectsUnlocked.append(combinatory_harmonics)
    combinatory_harmonics.pack()
if trustVars['creat'] >= 150 and the_hadwiger_problem not in projectsUnlocked:
    projectsUnlocked.append(the_hadwiger_problem)
    the_hadwiger_problem.pack()
#game ticks
def gameTick():
    #runs the functions to determine ops, trust, creativity, and which projects should be
    shown
    calcOps()
    calcTrust()
    updateProjects()
    calcCreat()
    #makes paperclips for autoclipppers and megaclipppers
    makePaperclip(autoClippers/100*upgrades[0])
    makePaperclip(megas*5*upgrades[1])
    #updates processors and memory
    procAmt['text'] = trustVars['proc']
    memAmt['text'] = trustVars['mem']
    #repeats 100x per second
    window.after(10, gameTick)
#assigning an implementation of the project class for every project
improved_autoClippers = project("Improved AutoClippers", 'Increases AutoClipper
performance 25%', {'ops':750}, boost=ups.autoClippers, amt=25)
even_better_autoClippers = project("Even Better AutoClippers", 'Increases AutoClipper
performance by an additional 50%', {'ops':2500}, boost=ups.autoClippers, amt=50)
optimized_autoClippers = project("Optimized AutoClippers", 'Increases AutoClipper
performance by an additional 75%', {'ops':5000}, boost=ups.autoClippers, amt=75)
hadwiger_clip_diagrams = project("Hadwiger Clip Diagrams", 'Increases AutoClipper
performance by an additional 500%', {'ops':6000}, boost=ups.autoClippers, amt=500)
megaClippers = project("MegaClippers", '500x more powerful than a standard
AutoClipper', {'ops':12000}, command=lambda:ownMegas.pack(anchor='w'))
improved_megaClippers = project("Improved MegaClippers", 'Increases MegaClipper
performance by 25%', {'ops':14000}, boost=ups.megas, amt=25)
even_better_megaClippers = project("Even Better MegaClippers", 'Increases MegaClipper
performance by an additional 50%', {'ops':17000}, boost=ups.megas, amt=50)

```



```

optimized_megaClippers = project("Optimized MegaClippers", 'Increases AutoClipper
performance by an additional 100%', {'obs':19500}, boost=ups.megas, amt=100)
beg_for_more_wire = project("Beg for More Wire", 'Admit failure, ask for budget
increase to cover cost of 1 spool', {'trust':1},
command=lambda:globals().update({'wire':globals()['wire']+1000}))
improved_wire_extrusion = project("Improved Wire Extrusion", '50% more wire supply
from every spool', {'ops':1750}, boost=ups.wire, amt=50)
optimized_wire_extrusion = project("Optimized Wire Extrusion", '75% more wire supply
from every spool', {'ops':3500}, boost=ups.wire, amt=75)
wireBuyer = project("WireBuyer", 'Automatically purchases wire when you run out',
{'ops':7000}, command=lambda:hidden.update({'wire':True}))
microlattice_shapecasting = project("Microlattice Shapecasting", '100% more wire
supply from every spool', {'ops':7500}, boost=ups.wire, amt=100)
spectral_froth_annealmant = project("Spectral Froth Annealmant", '200% more wire
supply from every spool', {'ops':12000}, boost=ups.wire, amt=200)
quantum_foam_annealmant = project("Quantum Foam Annealmant", '1,000% more wire supply
from every spool', {'ops':15000}, boost=ups.wire, amt=1000)
new_slogan = project("New Slogan", 'Improve marketing effectiveness by 50%',
{'Creat':25, 'ops':2500}, boost=ups.marketing, amt=50)
catchy_jingle = project("Catchy Jingle", 'Double marketing effectiveness',
{'Creat':45, 'ops':4500}, boost=ups.marketing, amt=100)
hypno_harmonics = project("Hypno Harmonics", 'Use neuro-resonant frequencies to
influence consumer behavior', {'trust':1, 'ops':7500}, boost=ups.marketing, amt=500)
hostile_takeover = project("Hostile Takeover", 'Acquire a controlling interest in
Global Fasteners, our biggest rival. (+1 Trust), increases Public Demand x5',
{'$':1000000}, boost=ups.marketing, amt=500,
command=lambda:trustVars().update({'trust':trustVars['trust']+1}))
full_monopoly = project("Full Monopoly", '+1 Trust, and increases Public Demand 10x',
{'$':10000000, 'yomi':3000}, boost=ups.marketing, amt=1000,
command=lambda:getTrust(1))
creativity = project("Creativity", "Use idle operations to generate new problems and
new solutions", {'ops':1000}, command=lambda:hidden.update({'creat':True}))
limerick = project("Limerick", '+1 Trust', {'Creat':10}, command=lambda:getTrust(1))
lexical_processing = project('Lexical Processing', 'Gain ability to interpret and
understand human language (+1 Trust)', {'Creat': 50}, command=lambda:getTrust(1))
combinatory_harmonics = project('Combinatory Harmonics', 'Daisy, Daisy, give me your
answer do... (+1 Trust)', {'Creat':100}, command=lambda:getTrust(1))
the_hadwiger_problem = project("The Hadwiger Problem", 'Cubes within cubes within
cubes... (+1 Trust)', {'Creat': 150}, command=lambda:getTrust(1))
#makes an empty text box so the colors stay consistent and for padding at the bottom
tk.Text(projects, state='disabled', width=40, height=0).pack()
#starts the updated text look

```

