



Note: in this flowchart, time.sleep  
pauses are ignored

```
import pygame
import time
import random
```

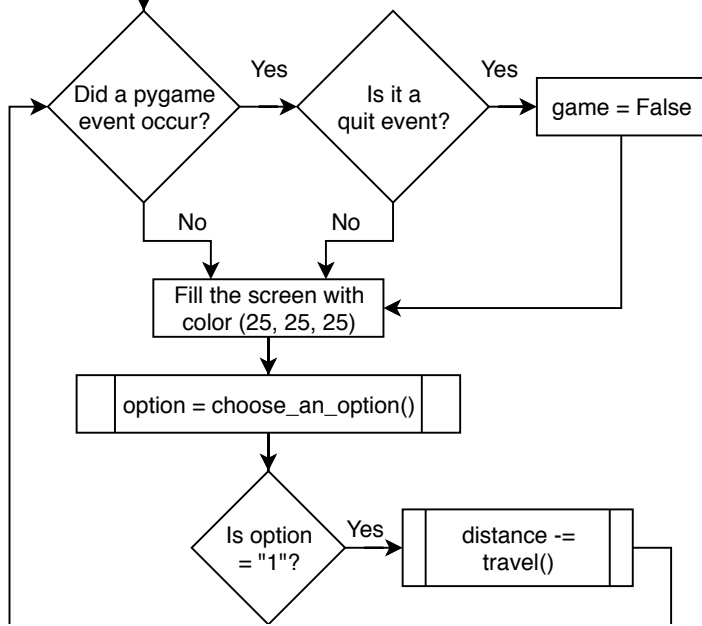
```
initialize pygame
```

```
Define oxSprite class
Define talkingSprite class
Define huntingSprite class
Define restingSprite class
```

```
Define pygame-related variables (fonts, display, and sprites)
dayFont = pygame.font.SysFont('Courier New', 100)
screen = pygame.display.set_mode((800, 600))
name the screen "Oregon Trail"
ox_sprite = oxSprite()
ox_group = pygame.sprite.Group(ox_sprite)
talking_sprite = talkingSprite()
talking_group = pygame.sprite.Group(talking_sprite)
hunting_sprite = huntingSprite()
hunting_group = pygame.sprite.Group(hunting_sprite)
resting_sprite = restingSprite()
resting_group = pygame.sprite.Group(resting_sprite)
```

```
Define "stats"-
related variables
health = 150
typhoid = False
cholera = False
dysentery = False
measles = False
days = 0
distance = 2000
food = 800
wheels = 8
oxen = 8
clothes = 8
money = 800
diseases = []
game = True
```

```
intro()
```



**oxSprite Class**  
sprite class in pygame  
\_\_init\_\_(self) = creates a list of images (self.images) using the function load\_ox\_image  
update(self) = iterates through the images in the list and displays a new one each tick (effectively animating the image)

**talkingSprite Class**  
sprite class in pygame  
\_\_init\_\_(self) = creates a list of images (self.images) using the function load\_talking\_image  
update(self) = iterates through the images in the list and displays a new one each tick (effectively animating the image)

**huntingSprite Class**  
sprite class in pygame  
\_\_init\_\_(self) = creates a list of images (self.images) using the function load\_hunting\_image  
update(self) = iterates through the images in the list and displays a new one each tick (effectively animating the image)

**restingSprite Class**  
sprite class in pygame  
\_\_init\_\_(self) = creates a list of images (self.images) using the function load\_resting\_image  
update(self) = iterates through the images in the list and displays a new one each tick (effectively animating the image)



