

The snake needs to be 10 pieces long to go to the next level!
The snake is currently 2 pieces long!

Python Math

Adder's Garden Adventure

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Code Base

- How does it work?
 - Spyral
 - Levels & Movement
- Good code?
 - Fast update
 - Triggers
- “Bad” code?
 - Layers
 - Snake Segments & Error Checking

```
self.snakeTiles[1].image = 1[1]
self.snakeTiles[1].type = 'obstacle'

self.level.GetTile(lipos[len(lipos)-1][1],lipos[len(lipos)-1][0]).InitValues()

#handle hitting a new tile.
if oldType == 'add':
    if(self.currentAddAmount == 0): #we just hit an addTile for the first time.
        self.currentAddAmount = tile.amount
    elif(self.currentAddAmount < 0): #ooh, we came off of a subtract tile, let's subtract.
        self.subtractTile(-self.currentAddAmount)
        print tile.amount
    elif oldType == 'subtract': #same deal as above.
        if(self.currentAddAmount == 0):
            self.currentAddAmount = -tile.amount
        elif(self.currentAddAmount > 0):
            for i in range(self.currentAddAmount):
                self.addTile()
    else:
        self.currentAddAmount = 0
#level end
if oldType == 'gate':
    if self.level.goalAmount == len(self.snakeTiles) - 2:
        self.level.goToNextLevel()

#super hacky fixing text stuff in interface, I am a terrible person..
self.level.hudGoalStatus.image = self.level.text.render("The snake is currently " + str(len(self.snakeTiles) - 2) + " pieces long!")

def addTile(self):
    secondToLast = self.snakeTiles[len(self.snakeTiles)-2]
    tail = self.snakeTiles[len(self.snakeTiles)-1]

    directionX = secondToLast.col - tail.col
    directionY = secondToLast.row - tail.row

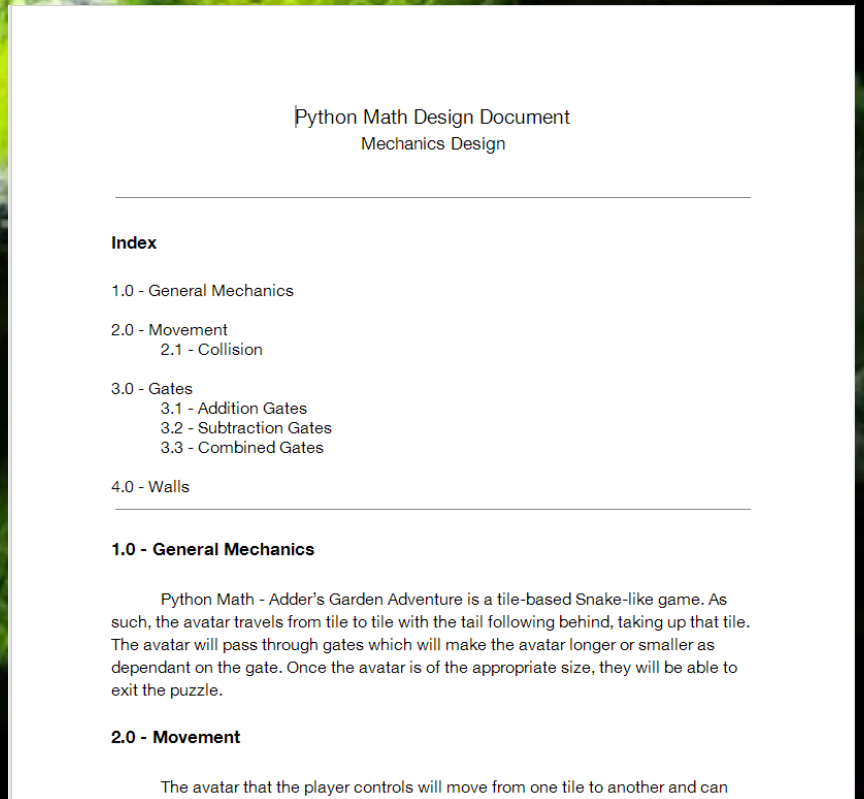
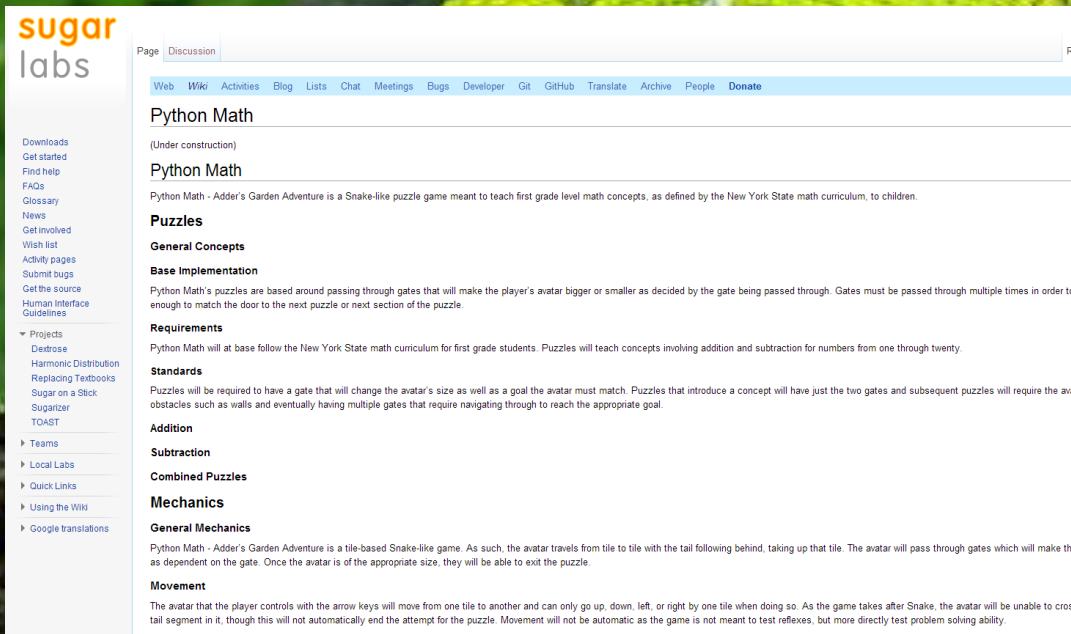
    self.snakeTiles[len(self.snakeTiles)-1] = self.level.GetTile(self.snakeTiles[len(self.snakeTiles)-1].col-directionX,self.snakeTiles[len(self.snakeTiles)-1].image = tailImage

    newTile = self.level.GetTile(secondToLast.col-directionX,secondToLast.row-directionY)
    newTile.image = bodyImage
    self.snakeTiles.insert(len(self.snakeTiles)-1,newTile)

def subtractTile(self, times=1):
    for i in range(times):
        #make sure the snake is never smaller than 2 tiles long
```

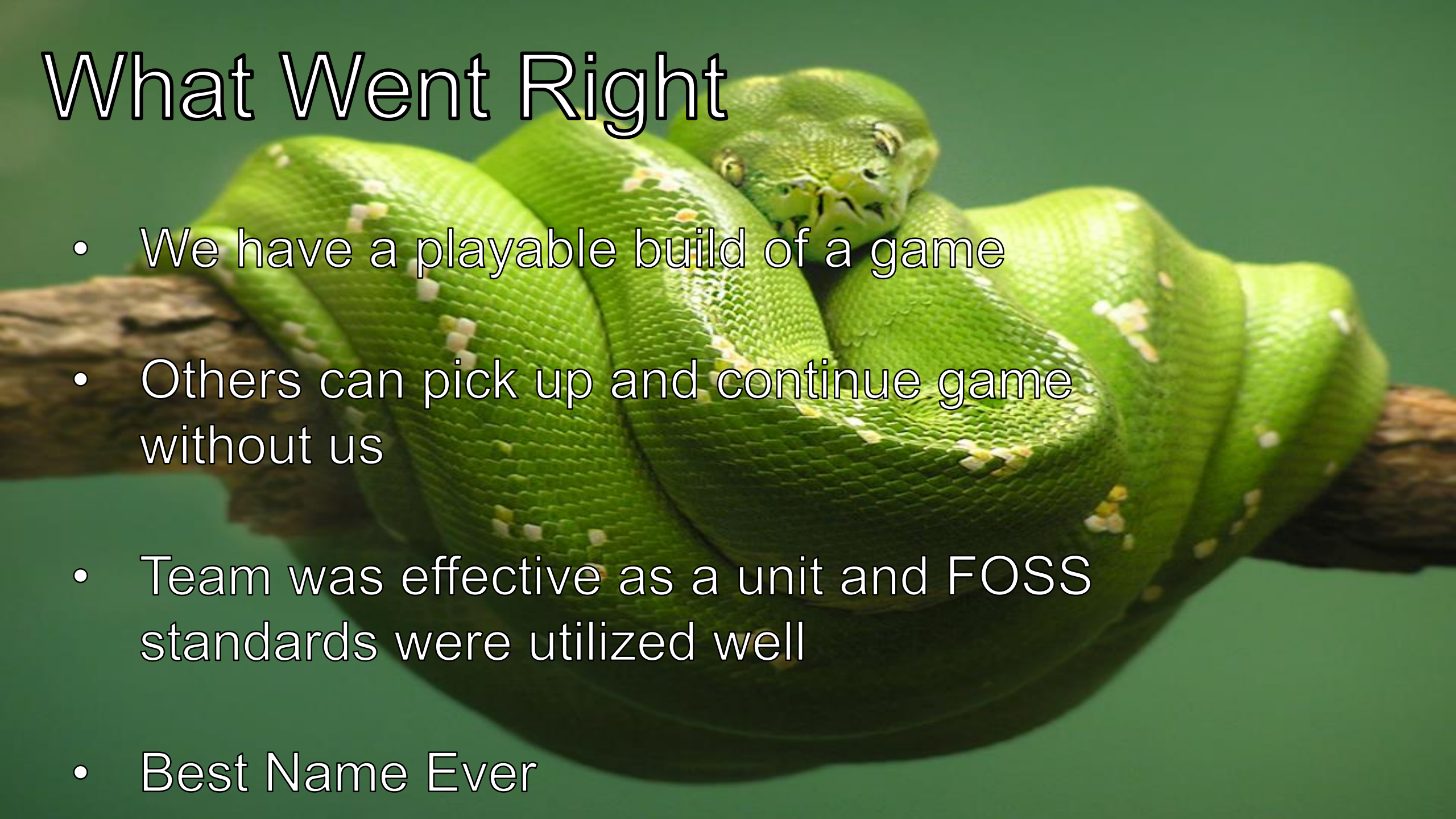
Documentation

- SugarLabs Wiki
- Design Docs & Process



What Went Right

- We have a playable build of a game
- Others can pick up and continue game without us
- Team was effective as a unit and FOSS standards were utilized well
- Best Name Ever



What Went Wrong



- XO was hard to work with
- Lack of time led to many dropped ideas
- Work could have been distributed better
- Documentation was sparse which made things harder than intended

What Didn't Make it In

- External Art Assets



- Reaching out for external design Elements
- No proper external tools
- Badges

Final Evaluations



- danShumway
 - Happy with results of work given time frame
 - Work was divided well
- Pharas
 - Good chance to work with limited resources
 - Simple concept worked well to quick turn around
- mstubinis
 - Spyral was easy to pick up despite lack of documentation
 - Engine development went smoothly
- DJ_Mark
 - Happy that there is a working, playable game
 - Wiki set up was quick and communication was smooth

The snake needs to be 3 pieces long to go to the next level!
The snake is currently 2 pieces long!

Demo Time

