Appendix

Map Object

```
when clicked

go back 5 layers

point in direction 90 

set PlayerSpeed to -0.05

switch costume to costume1 

go to x: 0 y: 0

set size to 800 %

switch costume to backdrop 

when clicked

forever

if AtyBorders = 0 then

change y by mouse y * PlayerSpeed

if AtxBorders = 0 then

change x by mouse x * PlayerSpeed
```

Character Object

```
when I receive PlayerEat ▼
change size by 0.5
change PlayerSpeed v by 0.0001
change PlayerScore by 1
when 🦰 clicked
forever
 if touching Dave ▼ ? then
    CompareAndExecute DaveScore
    broadcast RemoveDave ▼
    change size by DaveSize
    change PlayerSpeed v by 0.0001 * DaveScore
    change PlayerScore by 5 + DaveScore
  if touching Steve ? then
    CompareAndExecute SteveScore
    broadcast RemoveSteve ▼
    change size by SteveSize
    change PlayerSpeed v by 0.0001 * SteveScore
    change PlayerScore ▼ by (5) + SteveScore
  if touching John ?? then
    CompareAndExecute JohnScore
    broadcast RemoveJohn ▼
    change size by JohnSize
    change PlayerSpeed ▼ by (0.0001) * JohnScore
    change PlayerScore by 5 + JohnScore
        <u>(</u>
```

```
when clicked
set size to 10 %
go to x: 6 y: 4
```

```
define SortRankings

set i v to 1

set temp v to 0

repeat until i > length of Score v + 1

set j v to 2

repeat until j > length of Score v + 1 - i

if item j of Score v > item j - 1 of Score v then

set temp v to item j - 1 of Score v with item j of Score v

replace item j - 1 of Score v with item j of Rank v

replace item j - 1 of Rank v with item j of Rank v

replace item j - 1 of Rank v with item j of Rank v

replace item j of Rank v with temp
```

```
when clicked

forever

if touching color ? and mouse y > 0 then

set AtyBorders v to 1

else

if touching color ? and mouse y < 0 then

set AtyBorders v to 1

else

set AtyBorders v to 1

else

if touching color ? and mouse x > 0 then

set AtyBorders v to 1

else

set AtyBorders v to 1

else

set AtyBorders v to 1

else

set AtyBorders v to 1
```

```
when 🖊 clicked
                                  define SearchPlayer
show
                                  set count ▼ to 1
go to front
                                  repeat length of Score
set PlayerScore ▼ to 0
                                   if item count of Rank = Player then
set DaveScore v to 0
set SteveScore ▼ to 0
                                     replace item count of Score with PlayerScore
set JohnScore ▼ to 0
delete all of Score ▼
                                   if item count of Rank | Bot Dave then
add PlayerScore to Score
                                     replace item count of Score with DaveScore
add DaveScore to Score *
add SteveScore to Score T
                                   if item count of Rank ▼ = Bot Steve then
add JohnScore to Score
                                     replace item count of Score with SteveScore
delete all of Rank
add Player to Rank ▼
                                   if item count of Rank = Bot John then
add Bot Dave to Rank ▼
add Bot Steve to Rank
                                     replace item count of Score ▼ with JohnScore
add Bot John to Rank 🔻
                                   change count by 1
SortRankings
 set PlayerSize ▼ to size
 SearchPlayer
                                  define CompareAndExecute targetscore
 SortRankings
                                 if PlayerScore < targetscore / or PlayerScore = targetscore // then
 if PlayerScore > 99 then
  broadcast win ▼
                                   broadcast GameOver ▼
 if DaveScore > 99 then
   broadcast GameOver ▼
 if SteveScore > 99 then
   broadcast GameOver
 if JohnScore > 99 then
   broadcast GameOver ▼
```

Dot Object

```
vhen I start as a clone
                                        when Cicked Mother Dot
                                        hide
RandomizeSpawn
                                          wait 1 secs
add x position to dotxvalue
add y position to dotyvalue
                                          change color ▼ effect by pick random 25 to 100
set myindex v to length of dotxvalue v
                                          create clone of myself 🔻
go to front
 if touching edge ? then
                                         define TouchDave
  hide
                                        if touching Dave ? then
  change x by mouse x * PlayerS
                                          broadcast DaveEat ▼
  change y by mouse y * Player
                                          delete myindex of dotyvalue
                                          delete myindex of dotxvalue
                                          delete this clone
   if not touching Map ? then
     delete myindex of dotyvalue
     delete myindex of dotxvalue *
                                         define TouchSteve
     delete this clone
                                         if touching Steve ? then
                                          broadcast SteveEat ▼
   if AtXBorders = 0 then
                                          delete myindex of dotyvalue
    change x by mouse x * PlayerSpeed
                                          delete myindex of dotxvalue
                                          delete this clone
    if AtYBorders = 0 then
    change y by mouse y * Playe
    TouchChar
    TouchDave
   TouchSteve
 when Particked
                                     define RandomizeSpawn
 delete all of dotxvalue
                                     set temp ▼ to pick random 1 to 4 Randomize Spawn Location
 delete all of dotyvalue
                                     if temp = 1 then
                                      go to x: pick random -235 to 235 y: 175
 define TouchJohn
 if touching John ? then
                                     if temp = 2 then
   broadcast JohnEat ▼
                                      go to x: pick random -235 to 235 y: -175
    delete myindex of dotyvalue
    delete myindex of dotxvalue
                                     if (temp) = 3 then
                                      go to x: 235 y: pick random -175 to 175
                                     if temp = 4 then
                                      go to x: -235 y: pick random -175 to 175
```

```
define TouchChar

if touching Character ? then

broadcast PlayerEat 

delete myindex of dotyvalue 

delete myindex of dotxvalue 

delete this clone
```

Dave Object

```
when I receive DaveEat v
change size by 0.5
change DaveScore v by 1
                                              define SimulateEating
                                              wait pick random 0 to 3 secs
change DaveSpeed ▼ by -0.1
                                              change DaveScore by pick random 0 to 3
when / clicked
                                              define PointTowards x y
set DaveSpeed ▼ to 5
hide
                                              if x > x position then
set size to 10 %
go to x: -240 y: -180
                                               point in direction 90 - atan of y - y position / x - x position
when / clicked
                                               point in direction -90 - atan of (y) - y position / (x) - x position
 if AtyBorders = 0 then
   change y by mouse y * PlayerSpeed
 if AtXBorders = 0 then
   change x by mouse x * PlayerSpe
when I receive RemoveDave ▼
stop other scripts in sprite ▼
```

```
when 🖊 clicked
     touching Steve ? ? then
    if DaveScore | SteveScore | DaveScore | SteveScore | then
      broadcast RemoveDave ▼
      broadcast SteveEatDave ▼
      change SteveSpeed ▼ by (-0.1) * DaveScore
      change SteveScore ▼ by DaveScore
      broadcast RemoveSteve ▼
      change size by SteveSize
      change DaveSpeed ▼ by (-0.1) * SteveScore
      change DaveScore ▼ by SteveScore
     touching John ▼ ? then
    if DaveScore | JohnScore | or DaveScore | JohnScore | then
      broadcast RemoveDave ▼
      broadcast JohnEatDave ▼
      change JohnSpeed ▼ by (-0.1) * DaveScore
      change JohnScore ▼ by DaveScore
      broadcast RemoveJohn ▼
      change size by JohnSize
      change DaveSpeed ▼ by (-0.1) * JohnScore
      change DaveScore ▼ by JohnScore
```

```
define AppearChance chance
f chance = 5 then
go to front
 RandomizeSpawn
 set size to 10 %
 change size by 0.5 * DaveScore
  change DaveSpeed ▼ by (-0.1 * DaveScore
 repeat until x position > 250 or x position < -250 or y position > 190 or y position < -190 or not touching Map ?
  change size by size * 2
   if DaveScore > PlayerScore or DaveScore = PlayerScore then
    point towards Character
    move DaveSpeed steps
    PointTowards item 17 of dotxvalue v item 17 of dotyvalue v
    move DaveSpeed steps
  set size to 10 %
  change size by 0.5 * DaveScore
hide
```

```
when clicked

forever

set DaveSize to size

AppearChance pick random 1 to 10

SimulateEating

if temp = 1 then

go to x: pick random -235 to 235 y: 180

if temp = 2 then

go to x: pick random -235 to 235 y: -180

if temp = 3 then

go to x: 235 y: pick random -175 to 175

if temp = 4 then

go to x: -235 y: pick random -175 to 175
```

Steve Object

```
when I receive SteveEat v
change size by 0.5
change SteveScore v by 1
                                            when / clicked
                                              if touching John ? then
change SteveSize by -0.1
                                                if SteveScore < JohnScore or SteveScore = JohnScore then
                                                  broadcast RemoveJohn ▼
when 🖊 clicked
                                                  broadcast JohnEatSteve ▼
set SteveSpeed v to 5
                                                  change JohnSpeed ▼ by -0.1 * SteveScore
set size to 10 %
                                                  change JohnScore by SteveScore
go to x: -240 y: -180
                                                  broadcast RemoveJohn ▼
when / clicked
                                                  change size by JohnSize
                                                  change SteveSpeed ▼ by -0.1 * JohnScore
 if AtyBorders = 0 then
                                                  change SteveScore by JohnScore
   change y by mouse y * PlayerSpeed
 if AtXBorders = 0 then
   change x by mouse x * PlayerSpeed
when I receive SteveEatDave
change size by DaveSize
```

```
define AppearChance chance
  chance = 5 then
  go to front
 RandomizeSpawn
 set size to 10 %
 change size by 0.5 * DaveScore
  change DaveSpeed by -0.1 * DaveScore
  repeat until x position > 250 or x position < -250 or y position > 190 or y position < -190 or not touching Map ?
   change size by size * 2
   if SteveScore > PlayerScore or SteveScore = PlayerScore then
    point towards Character V
    move SteveSpeed steps
    if PlayerScore > SteveScore then
    PointTowards item (1) of dotxvalue item (1) of dotyvalue move SteveSpeed steps
  set size to 10 %
  change size by 0.5 * SteveScore
```

```
define SimulateEating
wait pick random 0 to 3 secs
change SteveScore by pick random 0 to 3
when I receive RemoveSteve
hide
stop other scripts in sprite ▼
when /= clicked
forever
  set SteveSize to size
  AppearChance pick random 1 to 10
  SimulateEating
   (ئے
define PointTowards x y
if x > x position then
  point in direction 90 - atan v of (y) - y position / (x) - x position
  point in direction -90 - atan v of (y) - y position / (x) - x position
```

John Object

```
when I receive JohnEat 🔻
change size by 0.5
change JohnScore v by 1
change JohnSpeed v by -0.1
when Parclicked
set JohnSpeed v to 5
hide
set size to 10 %
go to x: -240 γ: -180
when / clicked
  if AtyBorders = 0 then
    change y by mouse y * PlayerSpeed
  if AtXBorders = 0 then
    change x by mouse x * PlayerSpeed
     (ئے
when I receive RemoveJohn ▼
hide
stop other scripts in sprite 🔻
when I receive JohnEatDave
change size by DaveSize
when I receive JohnEatSteve 🔻
change size by SteveSize
```

```
define AppearChance chance

if chance = 5 then

y: -37

go to front

RandomizeSpawn

set zize to 10 %

change size by 05 * JohnScore

show

repeat until x position > 250 or x position < 250 or y position > 150 or y position < 150 or not touching Map 7

Change size by size * 2

if JohnScore > PlayerScore or JohnScore = PlayerScore then

point towards Character | move JohnSpeed steps

if PlayerScore > JohnScore then

PointTowards Character | move JohnSpeed steps

set size to 10 %

change size by 05 * JohnScore then

PointTowards rem 13 of dobovalue | item 13 of dotyvalue | move JohnSpeed steps

set size to 10 %

change size by 05 * JohnScore
```

```
define CompareAndExecute targetsize

if JohnScore < targetsize or JohnScore = targetsize then

broadcast GameOver ▼

define PointTowards x y

if x > x position then

point in direction 90 - atan ▼ of y - y position / x - x position

else

point in direction -90 - atan ▼ of y - y position / x - x position

define SimulateEating

wait pick random 0 to 3 secs

change JohnScore ▼ by pick random 0 to 3
```

```
when clicked

forever

set JohnSize to size

AppearChance pick random 1 to 10

SimulateEating

if temp = 1 then

go to x: pick random 235 to 235 y: 180

if temp = 2 then

go to x: pick random 235 to 235 y: -180

if temp = 3 then

go to x: 235 y: pick random -175 to 175

if temp = 4 then

go to x: -235 y: pick random -175 to 175
```

Sprite1 Object

```
when / clicked
hide

when I receive GameOver v
go to front
show
stop all v
```

Sprite2 Object

```
when / clicked
hide
when I receive win v
go to front
show
stop all v
```