## IDEA / MSSA Console Game Mini Proj. DATE / Oct 17, 2024

POSSIBLE FEATURES

· Loading Screen

· Coins

· Items

·Trailer

· Music

DESCRIPTION

A simple, roguelike game developed in a console application.

### DEFINITE FEATURES

- · Searching Algorithms
- · 4 classes
- · Party System
- · Small puzzles in 3 unique maps · Quests
- · Battle System At least 2 battles · Moving enemies
- · Menu
- · ASCII Art
- · Credit Scene

MARKET / AUDIENCE / DEMAND

Project for class; no demand, no market, audience is my 2 instructors and 13 other students.

## HOW WILL IT ADD VALUE TO PEOPLE'S LIVES?

Hopefully display concepts learn't in the past & weeks in a way the other students can identify and use/improve in their future projects.

DOES IT ALREADY EXIST? IF SO, HOW CAN I MAKE IT BETTER?

Plenty. The Goal isn't to make it better, but instead group as many concepts I've learned into a single project.

HOW WILL IT BE MADE?

Visual Studio 2022, console application

## POSSIBLE CHALLENGES

- · Time constraints
- · Not knowing the code/concept
- · Too ambitious
- · Loss of internet

WHAT RESOURCES WILL YO NEED? (\$, PEOPLE)

- · Visual Studio · 2022
- · NuGet? Maybe
- · ASCII Art. ey
- · ASCII Flow. com

POSSIBLE SPIN-OFFS OR EXTENSIONS

- · Expand the game further
- · Transfer to a game engine
- · Continue upgrading it with concepts learned

WHY DO YOU WANT TO MAKE THIS? HOW WOULD YOU DEFINE SUCCESS?

It is a fun project I'm excited to do and allows me to utilize everything I've learned thus far into a single product.

## FURTHER RESEARCH / SKETCH

- · Master Mini RPG Elements in console app using Michael Hadley tutorials
- · Master creating maps via ASEII flow
- · Create the small story.

This might be a good time to share your idea to gauge response & get feedback.

### EVALUATE

1 EXCITEMENT 5 1 DIFFICULTY 5

Record these numbers on your list of ideas.

#### DECIDE

- HATCH IT /# 3
- ☐ ABANDON

# PROJECT / Roguelike MSSA

DATE / Oct 20th, 2024

SPECIFICATIONS / SCOPE

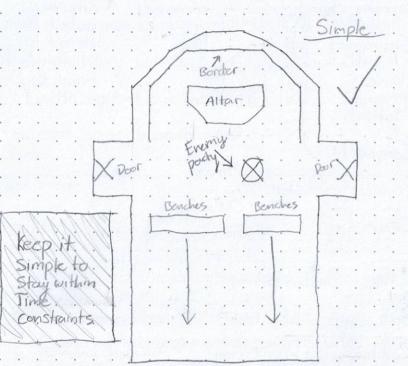
. · 3 unique maps w/ player movement	$\boxtimes$	· · Audio V	·\ \ \.
. Simple story with art	$\boxtimes$	· Music V	- Ima
· Battle system - 2 Battles min.	$\square$	· Character	: 20:
· Credit Science, Intro Science : .	X	· Dialogue V	1.3.
		. Vialogue V	.)

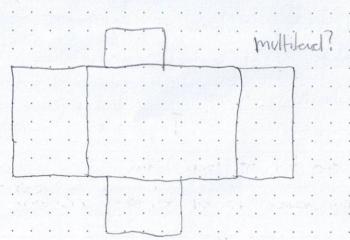
ACTION STEPS

	task	who	due date
	Map prototupes on computer	Me	act 22
	Map prototypes on computer Story + Art Ideas complete	Me	Oct 24
	Battlespace/Arena design Idea	Me	Oct 25
	Master C# Micro RPG Logics	Me	Oct 31
	Game Logic Complete (Idea)	Me	Oct 31
	Maps created, implemented, Finalized	Me	Nov 2
	Player movement implemented	Me	Nov 3
	Transfer between scenes-correct Draw	Me	Nov3
闡	1st Battle complete	Me	Nov4
	2nd Battle complete + Dislog complete	Me	Nov 4
	Credit + Intro scence implemented	Me	Nov 5
100	Final Debug + Test	Me	Nov 5
	Launch		
	Video (can be trailer too) of project		Nov 6th
1	Powerpoint? of project (presentation)		Nov 6th
	Presentation Key Points		Nov6th
	0		9
TARG	ET,LAUNCH DATE		Nov 7th 2024

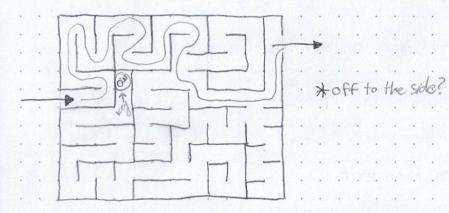
3. Locations. Brainstorm.	
Spooky church Connected? Grewe locked,  Graveyard to go church  House find to  Cornmaze V Mines	heto
· Nandom encounter · Open field	
. Sewers	
Enemies Brainstorm	
· Bat Wraiths Radioactive ene	ma
· Zambies . · Prunk Guy . · Armared enemies	
· Bandits . · Slime Mages	
· Rats · Skeletons Witches	
· Ghosts Birds	

Spooky Church Maps (intenor)

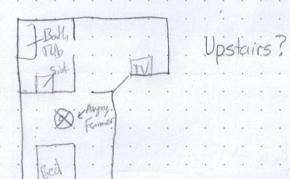




Cornmaze Map (Interior)



Farm House (Interior)



Size? 120 × 60? [console]

Exterior Art for choice Screen

Small Chapel - Hayley Wakenshaw / Church an

Barn-No Artist

Enemis in church

. Group of Zombies (3-5)

- Broke in from the Graveyard.

Enemies in Maze

· No enemies. Instead you must find a key.

to then exit.

Enemies in Farm/Barn ...

· Angry farmer (Boss)?

Story Progression

Maze -> Church -> Barn

Greveyord? (if time permits)

You and your buddy are tasked to find out what happened to your neighboring town and why it's been so quiet the past couple weeks.

Class Hiearchy. of Enemies.

Enemy: Base Class

. . . Attributes .

+Health: int.

- Color: ConsoleColor. .

. . . Methods.

+ Bascic Attack ()

+ Special 1() I can averride

+ Special 20). .

/ Public:

Artwork.

Zambies: Enemy.

. . . Attributes .

· Group size: int (3-5).

. . . Methods . .

+. Slash alk . no. ne. slash .

Skeletons .: Enemy.

- Group size (1-3) - Ranged: Bool

+ Attack Methods.

Angry Farmer Enemy.

- Angerlevel: Float (-1-1)

(in maze?.)

Battlespace Design:		70								
Enemy Nami								y.		
. Art		to		ien	it	es	. 1	+ 2		
· Vour Health Bat										
: Every Health Ba : :										
D. 1 / M										
Dialog:/Menu:										
						•		• • •		
Normal Screen Design		ze:			GON	ion		: 1	su.	een.
Main Screen	: Si	ze:	-	roll	h	-	· K	iah	, +	
×14.								. 0		
· · · · (center)· · · · · ·	: B	ordo	er	De	Sig	· n				
Dialog Box Inventory										
									F. 67 13 18	

Story Line.

Start / Beginning.

Agrouph of adventures stumble across a odd town that gives them the creeps. Against their intuition. They proceed to the small town. They arrive at a town square and breeprented with options.

1. Abandoned church (Find dead priests) + Every ies.

2. Graveyard (Locked) - Strange crystal Alter.

3. Spooty Barn (want to explore church first) Head from

4. Corn maze (Find Key here) -> Graveyard.

Evil witch has been spawning all these monsters.

Choices Floque Quick n. Dirty story

- 1. Abanandoned Church . .
- . . Find dead priests w/ partial note .
  - ? Small Group of zombies have to fight !
- Find other note piece to explore maze to find key to graveyard.

- 2. Cornmaze
  - ? Find key to graveyard
  - > Potential enemies :
  - Finding key unlocks graveyard.
- 3. Graveyard....
  - ? fight off Zombies !! I land !!
    - Find strange crystal alter where you then hear a hoise to investigate.
  - 4. Spoolk Barn . . .
  - Boss fight with evil witch
  - Party member da wounded : . .
    - > Beat the witch, Grab party member and run

End: Story

End Screen would happen Here w/ credits The Classes

World Class

- . Hold 2D a may for the various maps
- . Drawing the maps/levels . .

Game Class/Level Class (Individual)

. · Game loop . .

Player. / Party class.

- . Draw player location
- . \* . Get . x . , y . . . .

Enemy. Class.

Artwork Class

Menu Class

Stack class for cool display functions?

# Abandoned shurch story .....

Player enters the church - comments on the musky smell. then hears something move. [Dialog]

the "O represent things to find, "X" are enemies, ">, < " are both denotions for exits, "#" is a key ...

The note will read about how someone dropped . the graveyard key in the maze.

If the player visits the church again, different !

Once enemy is defeated, it will disappear ....

# Maze story.

Player enters maze and if has found note, comments on their is somewhere to find the key other wise just a generic comment.

> Player can leave even if they don't grab they . .

Once player grabs key, player will see a glimpse of a long pointy black hood [Dialog].

Getting key unlocks Graveyard....

# Graveyard Story:

Player walks into graveyard and spots movement which is a skeleton.

Once skeleton is defeated they notice a strange crystal alter with a lot of blood.

When the player inspects it, they will get a dialog that they hear something MARMAMMAN. coming from the Barn. The player can then leave the graveyard.

## Barn. Story .

When player enters, notice a large hooded. figure. (Boss-Grim Reaper)

Once player wins , dialog to exit, once . player exits the Barn and Boss Defeated is . true -- cue credit + Tbd screen.



## Development Notes

- " World PrawGrid () may want coordinates as parameters.
- > Console Renders very fast:
- > CHECK CONSOLE RESOLUTION.
- ? Check to make sure (x, y) are not reversed
- Level creation Steps:
  - 3 classes > Game/level, World, Player
- > World holds instructions to Draw everything: . .
  - . Game/Level holds specific things related to the level
    - ? 1. Grid/Image, 2. Player input 3. Draw frame
    - 4. Game Loop. (drawframe, player input, events,
- > X [TASK] Moster Level parser Logic
  - > Confirm Grid Coordinates constantly !
- ? Find a way to get Console's Last input to avoid loop of rendering.
- Map Fonts = Blur Vision ASCII
- > Dialog Font =
- : > Want to color X=Red O=Blue = yellow

> (	be Linked List to write Display instruction
4	nstruction Font = Mini
•	Loading symbol Method - Sleep use
	Once Scen transitions are complete,
	Run Gameloop's Completed next (Events):
	Organize Solution Exporeir :
	20241028] Implement the rest of scenes
	and transitions
1	Add conditions to places. X
	Cant entergraveyard until has key !
• >	Can't enter barn until in graveyard . ?
?	Enemy Class creation with all enemies D
1	Battles & Battlegrand class . [Items as)
1	Check inventory Display: (Weapon + key
	Appropriat Damages after Battle implementation:
	is complete
>	Beginning Story dialog necded
	Readkey() - Readkey(True);

KNOWN BUG-Player Fight method closes 4.
Check menu method (0+15)
Silch Merio Merhod (O. 13)
Check how to add Homs globally
> Weatify: :::::::::::::::::::::::::::::::::::
Intro Outro : handle all Death scenarios ()  Add musics (5): Lo Add Intros to fights
Add timer to Marce? (2) Post to a potential
Sword ophon. that's poisoned at barn and gives -10HP every turn. 3.
gives - 10HP every turn (3)
"Don't make a Deal with Death"
Dialog after Battle ? (4.) V
> Install NuGet for Sound Player (5.) V.
· · · · · · · · · · · · · · · · · · ·
See Final Touch ups
pg. 107

1nh		Sc.	inec	in												Q	Ulk	k	[	Do	a a
	/.									T	· · ·	-  -  -	    -	. ; 1. \	?	•					
													1						•		
	v	;;t	·	ct ·	50	n.	Ś						-	1.	en		ite				
	M	· en	·	· · · ·	· .	el	ċċ	· :		· ·			1	<u> </u>							
. >	5	- Fa		.G	· ·				-			· ,	١.								
	E	į,		٠					· ·	5	ege	i.	J.C.								
Öi	Hr.	0			v.9	Al.	t.s												٠		
													•								
											•									•	

Battle Logic

Player. Attacks ... Enemy . Attacks .

If enemy dies > check if there are more (group).

repeat attack sequence . I go back to screen .

If player dies . Death Screen . Low to main title

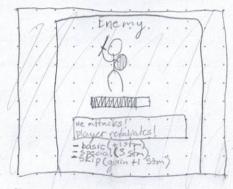
Display enemy name

Act.

Health Bar . .

Dialog box ...

Player attack options.



If time make border

"Enemy Defected "Screen?."
"Enemy Attacks" Screen?

· Polish: + Final: Touch-ups:

: Final Potential Adolitions:

Added!

· Option for player to recieve + 10 damage.

potential at the cost of 10 HP per turn - the catch is the 10 HP cost is not said.

"Don't make or Deal with Death

· Add a timer to the maze, you get when up outside the maze to try again if you exceed the timer.

· Add an enemy to chase player in maze. if

. Dialogs . when exiting . places

Big. Fixes

Meni Battle bug - Need Longer rander time

Menu selection Dissappears-fixed list length

X Try Catch Window sizing in beginning.

Dicher Game Controls Description Code

M Center all Dialogs as best as possible