

Champion Document

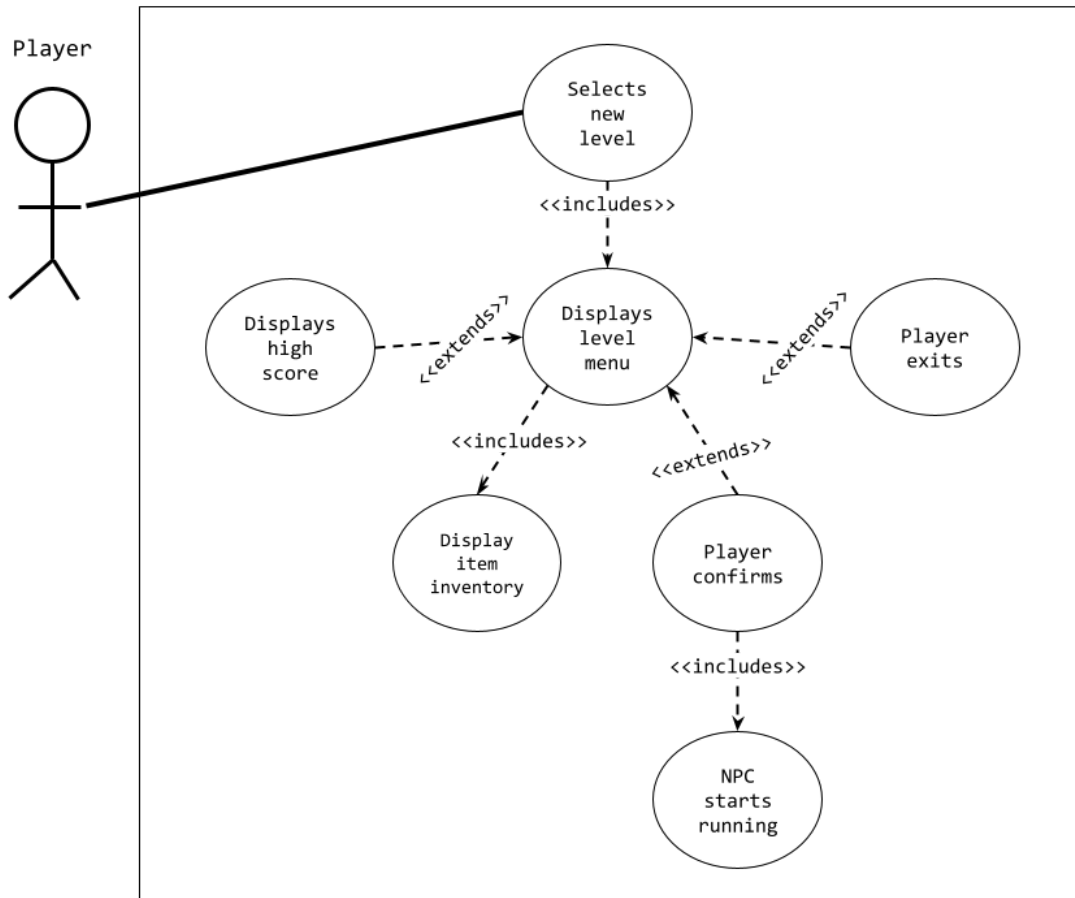
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1 BRIEF INTRODUCTION

I will be creating the overworld system. The NPC will be playing through several levels before he reaches his final destination. The overworld system provides the means for traveling between the different levels. I will also be creating a miniature map within each level to show where the NPC in relation to the end of the level.

2 USE CASE DIAGRAM WITH SCENARIO

2.1 USE CASE DIAGRAM



2.2 SCENARIOS

Name: Select New Level

Summary: Player chooses the next level to play.

Actor(s): The player.

Preconditions: Player loaded the game for the first time or player finished a level.

Basic Sequence:

1. Player selects the next level.
2. Level menu is displayed.
3. Displays NPC high score and inventory stats.
4. If the player presses "Exit," the level menu quits and the player is free to select a new level.
5. If the player presses "Play," the level menu quits and the NPC performs mini running animation.

Exceptions:

1. If the player has not played this level, no high score is displayed.

Post Conditions:

1. Level is generated.

Priority: 1

ID: JP01

3 DATA FLOW DIAGRAM(S) FROM LEVEL 0 TO PROCESS DESCRIPTION FOR YOUR FEATURE

3.1 DATA FLOW DIAGRAMS

Context Diagram

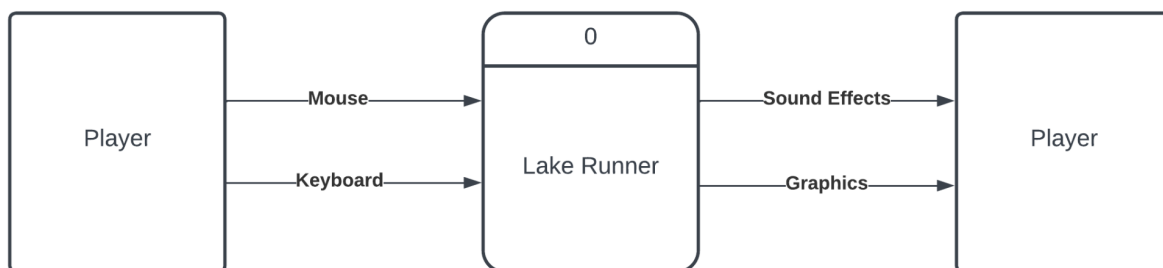


Diagram 0 (Green Feature)

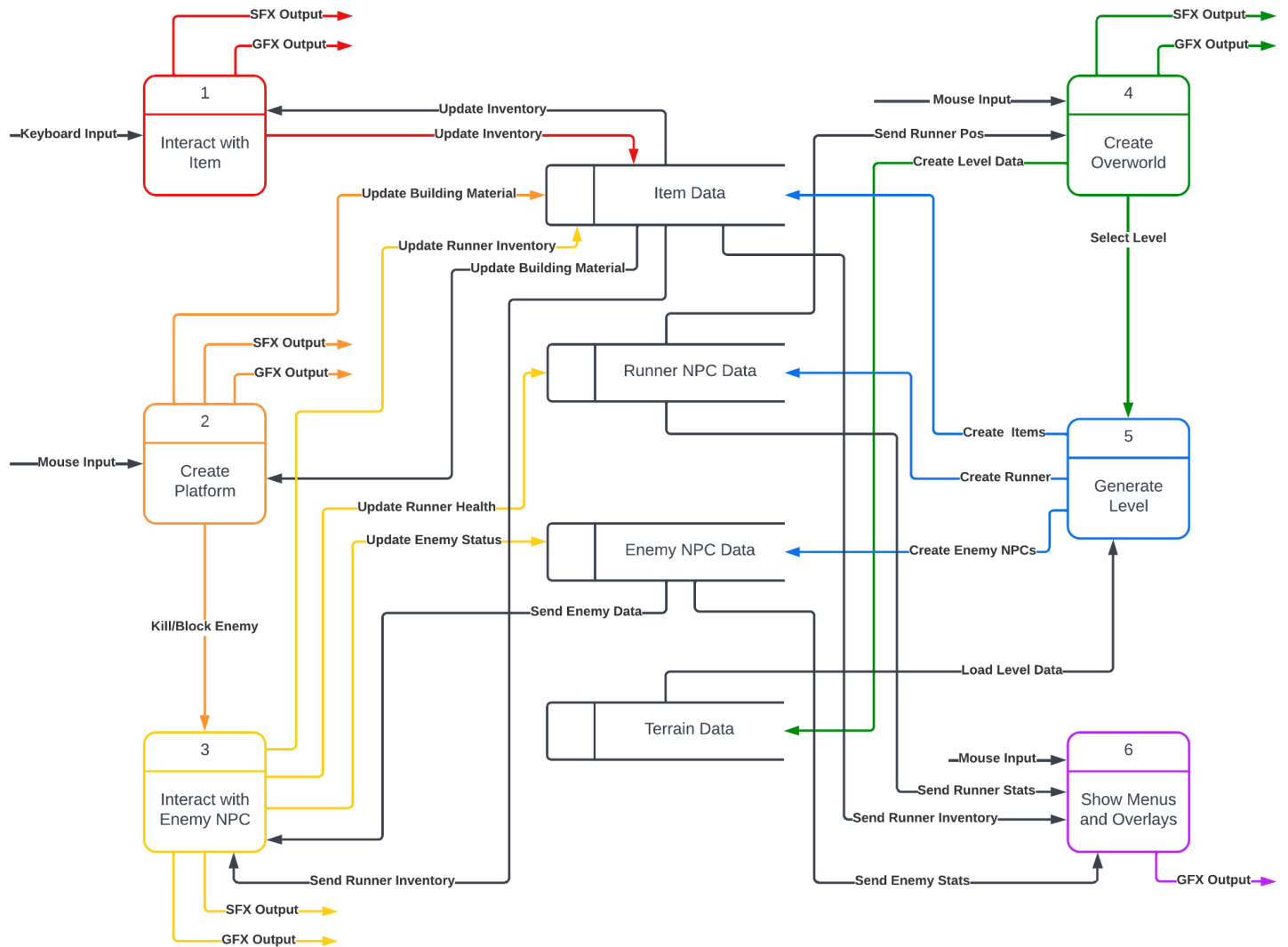
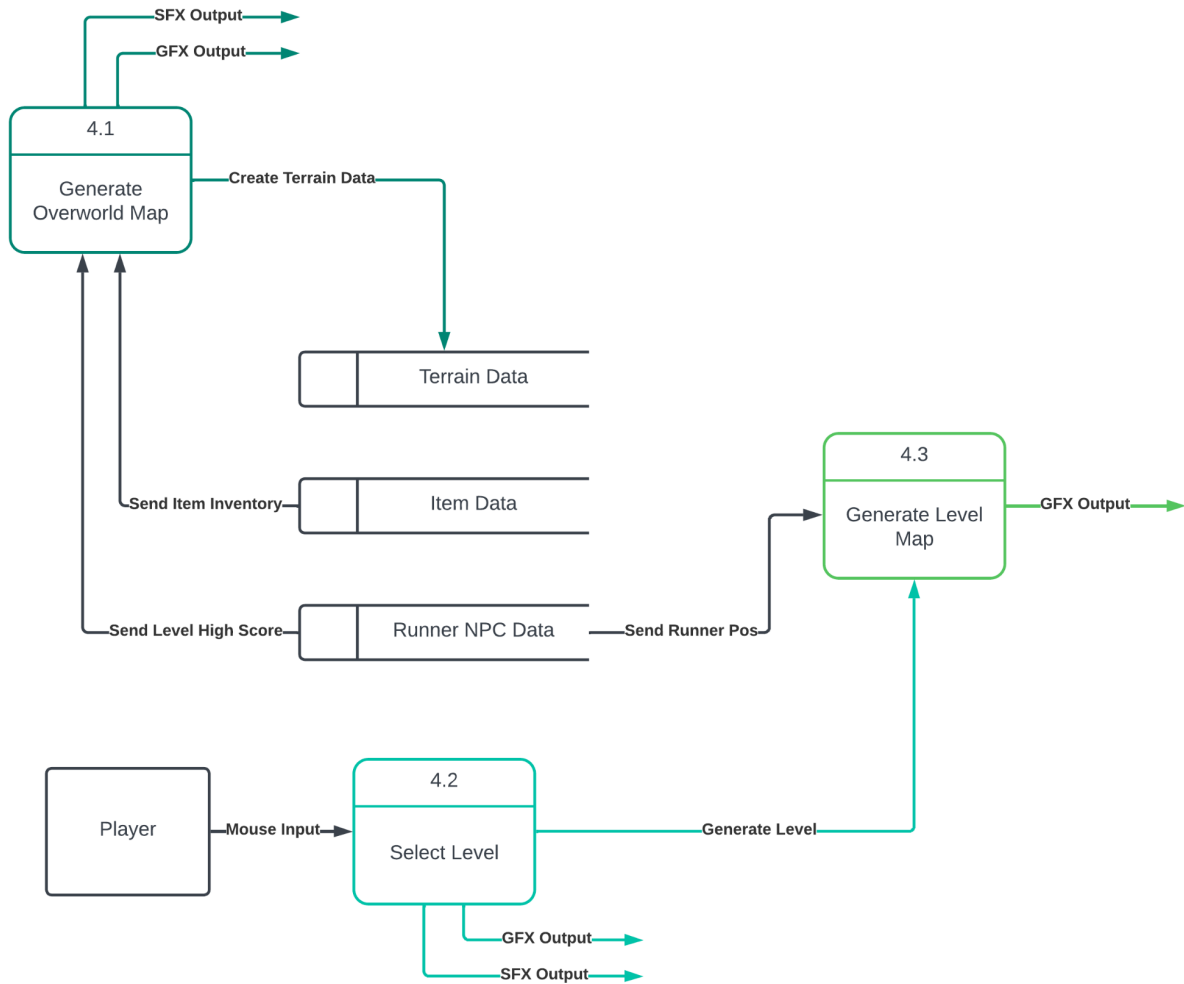


Diagram 4



3.2 PROCESS DESCRIPTION

Generate Overworld Map

- Display all levels
- Display all enemy NPCs
- Display NPC location

Select Level

- Display level menu
- IF level == played THEN
 - Display high score

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ENDIF
Display item inventory
IF player clicks "Play" THEN
    Close level map
    Play NPC running animation
    Generate level map
ENDIF
IF player clicks "Exit" THEN
    Close level map
ENDIF

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Generate Level Map

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Display start and end points
Display item and enemy NPC locations
Display NPC location
IF player has died in this level before THEN
    Display last died location
ENDIF
IF player moves THEN
    Update NPC location
ENDIF
IF player picks up item THEN
    Removed specific item display
ENDIF

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4 ACCEPTANCE TEST

4.1 NPC Interaction with Map

Selecting and pressing "play" on a menu 100 times. Every instance should cause the NPC on the overworld map to perform a short running animation from the current lake in the direction of the destination lake.

4.2 Inter-Level Map Display

Load each level 100 times. After selecting a level and loading it, a miniature map should be displayed in one of the corners; this map should reflect the current start, destination, terrain, and enemy NPCs. Loaded items should be displayed as well.

4.3 Inter-Level Map Update w/ Item Pick Up

Pick up an item 100 times in a level. The miniature map should reflect that an item was picked up. I.e. before an item is picked up, a dot should represent its current location. After the NPC picks up the item, the dot should no longer be displayed.

4.4 Inter-Level Map Update w/ Last Died Location

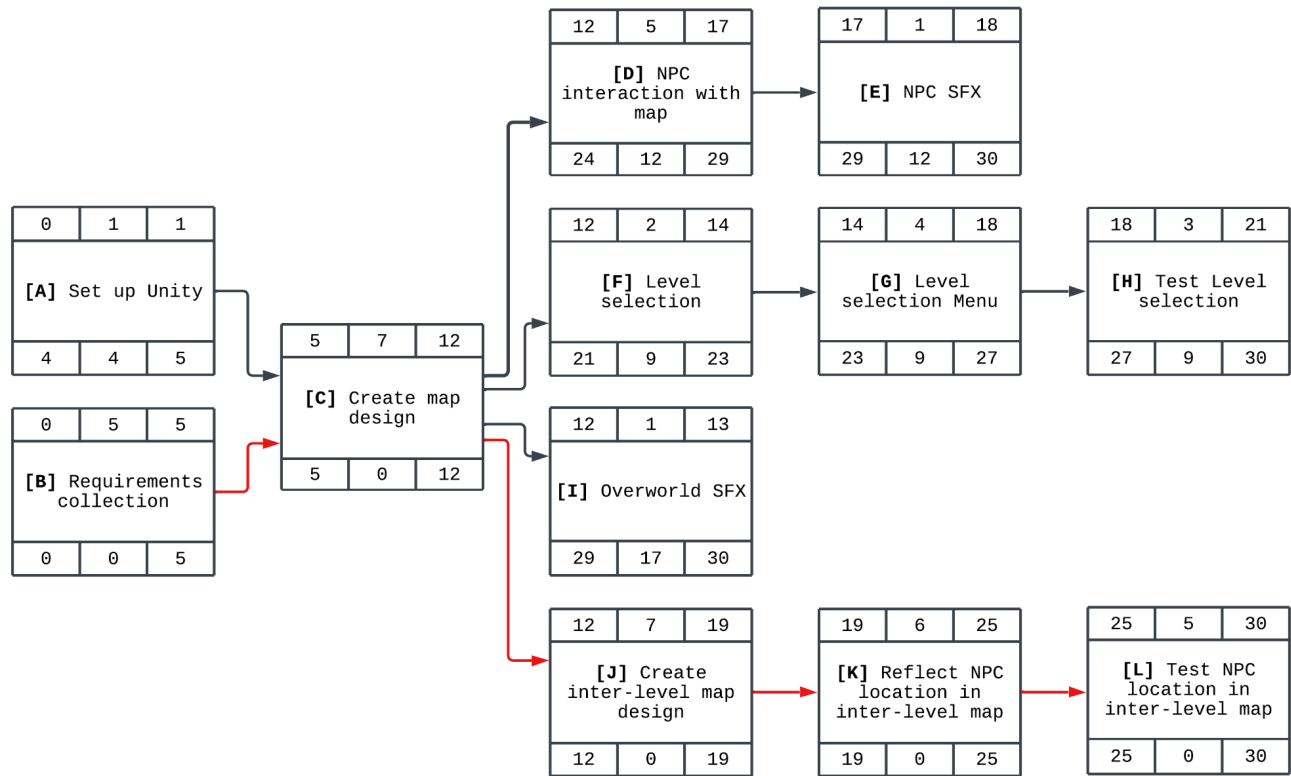
Kill the NPC and load a new level 100 times. The miniature map denote the last location the NPC died with an X mark.

5 TIMELINE

5.1 WORK DIAGRAM

Tasks	Duration (hrs)	Dependent On Task(s)
A) Set up Unity	1	--
B) Requirements collection	5	--
C) Create map design	7	A,B
D) NPC interaction with map	5	C
E) NPC SFX	1	D
F) Level selection	2	C
G) Level selection menu	4	F
H) Test level selection	3	G
I) Overworld SFX	1	C
J) Create inter-level map	7	C
K) Reflect NPC location in inter-level map	6	J
L) Test NPC location in inter-level map	5	K

5.2 PERT DIAGRAM



5.3 GANTT CHART

