## Project Design Document

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## Project Concept

1	You control a	in this			
Player Control	Bear	top Dow	'n	gam e	
	where	makes the player			
	Keyboard input(WSAD)	Move up/down/left/right			
2	During the game,	ring the game, from			
Basic Gameplay	lumberman	appea r	Borders of the screen		
	and the goal of the game is to				
	Beat all the lumberman				
3	There will be sound effects	ana	l particle effects		
Sound & Effects	Screaming, roaring	Ex	plode, burst		
	[optional] There will also be				
	description of any other expected special effects or animation in the project.				
4	As the game progresses,	mai	king it		
Gameplay Mechanics	Bears win better weapons grow stronger		ore stronger to defi rest	end the	
	[optional] There will also be  description of any other gameplay mechanic(s) and their effect on				

	the game.			
5 User Interface	The  timer  At the start title  5 min to do your forest		whenever  Time goes by.  and the game will end when  Time up	
6 Other Features	Any other is the above.	notes about the pro	pject that you don't feel were addressed in	

## Project Timeline

Mileston Description

Due

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Define Game Mechanics: Describe how the black bear will defend the forest. Specify actions (e.g., chasing, roaring, traps) and enemy behaviors (e.g., lumberjacks attacking trees)

#1

Map Design and Layout: Sketch a fixed 2D forest map with defined boundaries and landmarks (e.g., trees, rivers).

Game Flow Planning: Outline the 5-minute gameplay structure (e.g., start, middle, end). Plan difficulty progression (e.g., increasing number of lumberjacks).

02/04

Character Design: Create a 2D sprite for the black bear with animations (idle, move, attack). Enemy Design: Design lumberjack sprites and behaviors #2 02/25 (e.g., chopping, escaping). Basic Gameplay Programming: Implement player controls for the bear. Create basic enemy AI for the lumberjacks. Map Interaction: Add trees, bushes, and interactive objects. Program the lumberjacks to damage trees and the bear to defend them. Game Progression: Introduce increasing waves of 03/18 #3 lumberjacks. Implement a timer for the 5-minute game duration. Sound Effects and Music: Add sound effects for the bear's actions and lumberjack chopping. Create background music to enhance the forest atmosphere. Bug Fixing: Test gameplay to identify and resolve bugs (e.g., collision issues, Al behavior). #4 04/01 UI and Feedback: Add a score system based on trees saved. Implement end-screen feedback (win/lose based on trees saved). Final Optimization: Ensure smooth performance on target platforms. #5 04/08 Release and Feedback: Launch the game and collect player feedback for future updates - Feature on backlog - not a part of the minimum viable product Backlog mm/dd - Feature on backlog - not a part of the minimum viable product

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## Project Sketch

