Bane of the Arcane



Revision: 1.1.0

Joseph Coston

Marek Listy

Jackson Staley

Sarah Trujillo

# Overview:

## Theme/Setting/Genre

Bane of the Arcane will be a fantasy/magic themed first-person shooter game set in an eerie overgrown forest. The forest is full of monsters and spirits, known collectively as Arcane.

## Core Gameplay Mechanics (Brief)

* First-person POV.
* Player begins at central alter in middle of map.
* Object of the game is to retrieve idols scattered across the forest and return them to the central alter.
* Werewolves & ghosts attack player.
* Different mobs have different attributes such as:
  + tangibility
  + awareness
  + hostile/passive
  + attack patterns
  + movement speed
  + ranged/melee attack strategies
* Player must banish ghosts and slay werewolves using spells cast from their magic wand.
* Wand casts only one spell that may be permanently upgraded at special powerup points.
* The wand’s spell may be changed at special spell swap circles.
* Persistent darkness inhibits map and enemy visibility.
* Assist items placed at strategic points on map, but contents randomized:
  + Wand upgrades
  + Alternative spells for wand
  + Single-use spell items for temporary effects
* Enemies’ speed, attack, and awareness stats increase as gameplay progresses.
* Player mana bar dictates strength and quantity of castable spells.

## Target Platforms

We will develop our game to be played on the PC, taking advantage of WASD keyboard movement and mouse-operated camera/aiming.

## Project Scope

### Game Time Scale

Assume <16 weeks for now…

### Team Structure

* Joseph Coston: Project lead, coding; render infrastructure, map infrastructure, map generation, wand/spell assembly, attack/damage mechanics, spell behavior
* Marek Listy: item spawn, player movement, enemy movement, enemy AI, player stats, camera movement, GUI code
* Jackson Staley: map modeling, map texturing, lighting, cutscene cinematics (if applicable), wand modeling, wand texturing, spell animation design, assist item modeling/texturing/animation, GUI sounds, mob sounds, player sounds, magic/spell sounds, music, HUD design.
* Sarah Trujillo: ~~player avatar modeling~~, ~~avatar movement animation~~, ~~avatar texturing~~, enemy modeling, enemy movement animation, ~~player/~~enemy damage animations, GUI deign/appearance, GUI sounds, mob sounds, player sounds, magic/spell sounds, music.

### Licenses/Hardware/Other Info

We will be using the Unity game engine under an education license for game development. The game will make use of standard PC keyboard/mouse peripherals. We will be developing the game for Windows 10 PCs. Our GitHub repository is located at: <https://github.com/joseph-coston/AzimelphStudios>

## Influences

## The Elevator Pitch

Bane of the Arcane is a game all about banishing ghosts and slaying monsters in <setting of choice> using arcane magic. You play as a sorcerer, wielding powerful spells through mysterious wands that can be customized with mix-and-match parts that affect spell behavior. Gameplay becomes more difficult as the game progresses and enemies become increasingly enraged at your incursion on their realm. You must fight to vanquish all your enemies and rid <setting of choice> of its ancient curse once and for all!

## Project Description (Detailed)

# What sets this project apart?

* Customizable wands make for individualized gameplay.
* Most FPS games are military/gun shooter games, but Bane of the Arcane will use magic wands and spellcasting.
* The player will fight progressively harder NPC enemies instead of other players like in many FPS games.

## Core Gameplay Mechanics (Detailed)

# Story and Gameplay:

## Story (Brief)

You are the legendary sorcerer Gaius the Great, bane of all things wicked on the mortal plane. You find yourself on a quest to rid <setting of choice> of its evil curse through the complete extermination of malign magic. To achieve your goal, you must defeat as many enemies as possible before their collective rage becomes an insurmountable challenge to withstand. Venture forth and reclaim <setting of choice> for the powers of light.

## Story (Detailed)

## Gameplay (Brief)

The player wields magic wands and casts spells to deal damage to enemies. They will need to employ different strategies to defeat different types of enemies. The player must pay close attention to both their health, mana, and the game clock. They will also find random item drops throughout the map with things to aid them in their quest. The player’s sight will be limited, lending more towards close- to medium-range battling styles as opposed to long-range sniping tactics.

## Gameplay (Detailed)

## Assets Needed

### 2D

### 3D

### Sound

### Code

### Animation

# Schedule:

1/31/20: Basic concept art, further story decisions and writing

2/7/20: Beginning of coding, world generation, begin character/map modeling

2/14/20: Get world generation working with player camera movement and HUD

2/21/20: Player movement and enemy movement

2/28/20: Get players and enemies rendering together on same map

3/6/20: Enemy AI development begins, spell coding and modification

3/13/20: Enemy and player damage systems development

3/20/20: Buffer…

3/27/20: Buffer…

4/3/20: Buffer…

4/10/20: Importing map models and finalizing map interaction

4/17/20: GUI

4/24/20: Sounds and music

5/1/20: Finalizations and completion