

Logic Legends User Documentation  
SDEV230, Spring 2025  
Team 1

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## 1. Introduction

**Logic Legends** is an interactive text-based RPG set in the magical world of Logicopia. Players embark on a journey, selecting a race and class, making strategic decisions, and engaging in turn-based combat. The game features multiple quests, dynamic combat mechanics, and an inventory system for managing items.

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## 2. Installation Guide

1. Download the game executable or source code.
  2. If running from source:
    - Ensure you have a C++ compiler (e.g., GCC, Clang, or MSVC).
    - Compile the program using `g++ main.cpp -o LogicLegends`
  3. Run the game by executing `LogicLegends.exe` or `./LogicLegends` in the terminal.
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## 3. Getting Started

Upon launching the game, players will:

1. Enter their character's name.
  2. Select a race from available options (e.g., Elf, Human, Dwarf, etc.).
  3. Choose a class (e.g., Barbarian, Wizard, Rogue, etc.).
  4. Begin their adventure in Logicopia.
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## 4. Game Features

- **Character Creation:** Choose from nine races and eleven classes.
  - **Turn-Based Combat:** Engage in battles with various enemies using race-specific weapons.
  - **Quest System:** Complete dynamic quests with multiple choices and outcomes.
  - **Inventory Management:** Collect items, weapons, and gold.
  - **Stat Progression:** Race and class selection impact character attributes.
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## 5. Gameplay Mechanics

### Character Creation

- Players name their characters and choose their race and class.
- Each race and class has unique abilities and stat bonuses.

### Combat System

- Players select attacks against enemies in a turn-based format.
- Actions include attacking, using items, or defending.
- Weapon damage scales with player stats (e.g., Strength affects melee damage).

### Inventory Management

- Players can collect and use weapons, potions, and gold.
  - Items can be used in combat to heal or deal extra damage.
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## 6. Quests & Choices

### Choice-Based Gameplay

- Players can interact with NPCs using multiple dialogue choices.
- Decisions impact quest outcomes and character reputation.

### Quest Variety

- Quests come in many shapes and forms.
  - Bandit camps and strange monsters are just some of the things you'll encounter.
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## 7. Troubleshooting

### Common Issues & Fixes

1. **Game Not Starting**
  - Ensure all required files are in the same directory.
  - Run the program in a terminal if using a source build.
2. **Invalid Input Errors**
  - If prompted for a number, ensure numeric input is used.
  - If prompted for a letter, ensure it matches the expected response (A, B, C, etc.).
3. **Unexpected Crashes**
  - Check for corrupted or missing game files.
  - Recompile the program if using a custom build.