CMSC 447 ADMIN DOCUMENTATION

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GRAVITY DOG by Maine Coon

Introduction:

Gravity Dog is a game where users navigate through a challenging environment using gravity-defying mechanics. The game will feature a UMBC themed version of Gravity Guy, which utilizes a dog (your choice on the breed) to traverse stages of increasing difficulty. Technical features include: at least three stages, saves of the state of a user, a high score database, simple collectables in the game, and being fully web based. The game manual is written below.

Gravity Dog Game Manual

Welcome to Gravity Dog!

Thank you for choosing to play Gravity Dog, a thrilling web-based game that lets you defy gravity with our lovable dog character. Navigate through challenging environments across multiple stages, collect coins, and set high scores. This manual will guide you on how to play the game, navigate its features, and make the most of your gaming experience.

Getting Started

Creating an Account:

- To play Gravity Dog, you need to create an account.
- On the main page, click "Create Account."
- Enter your details (username and password) and follow the instructions to set up your account.

Logging In:

- If you already have an account, select "Login" on the main page.
- Enter your username and password to access your game profile.

Main Menu

Once logged in, you'll be directed to the main menu where you can choose from several options:

- Play: Start playing from Level 1.
- Level Select: Choose between Level 1 (Easy), Level 2 (Medium), or Level 3 (Hard).
- Customize: Customize the appearance of your dog character.
- Leaderboard: View high scores, including player names, levels, points, coins, and dates.

Game Controls

- Movement: Use the spacebar to make your dog defy gravity and move between the ground and ceiling.
- Navigation: Use the mouse to navigate through the menu options.

Game Levels

- Level 1:
    - Objective: Reach the end of the level without letting the screen catch up.
    - Collectibles: Gather coins for points and customization credits.
    - Challenge: Avoid being caught by the moving screen.
- Level 2:
    - Objective: Reach the end of the level without letting the screen catch up.
    - Collectibles: Gather coins for points and customization credits.
    - Challenge: Avoid being caught by the moving screen.
    - Similar to Level 1, but with increased difficulty and more obstacles.
- Level 3:
    - Highest difficulty with additional hazards like spikes and missing walls.
    - Objective: Survive without falling off-screen or hitting obstacles.

Saving Your Progress

- The game automatically saves your progress after each level.
- Your high scores and coin collections are also saved to your profile.

Customization

- Use coins collected from gameplay to customize your dog character.
- Access customization options from the main menu under "Customize."

Viewing and Understanding Leaderboards

- Access the leaderboard via the main menu to compare your scores and achievements with others.
- Leaderboards display rankings based on level, points, coins, and the date played.