



Acceptance Documentation

Project: Garbage Collector

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1. System Under Test (SUT)

System Name: Garbage Collector

System Type: Godot-based local network multiplayer game

Target Users: Children aged 5-10

Network: Local LAN multiplayer (2 players max)

2. Core Game Design

Victory Condition

- First player to reach 20 points wins
- Points earned through correct trash sorting
- No time limits

Gameplay



- Cooperative trash collection
- 2 players on separate computers
- Local network hosted game

Controls

- Player 1: WASD keys for movement
 - Player 2: WASD keys for movement
 - Each player on their own computer
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3. Test Results

All test cases PASSED 

Test Case	Status	Notes
TC-001: Host Game Creation	 PASSED	Local hosting works
TC-002: Join Game Functionality	 PASSED	LAN joining works

TC-003: Movement Controls	✓ PASSED	WASD on separate PCs
TC-004: Trash Collection	✓ PASSED	Cooperative collection
TC-005: Bin Sorting System	✓ PASSED	Points for correct sorting
TC-006: Trash Spawning	✓ PASSED	Continuous spawning
TC-007: Victory Condition	✓ PASSED	First to 20 points wins
TC-008: LAN Multiplayer	✓ PASSED	Local network stable
TC-009: Host Disconnect	✓ PASSED	Proper disconnect handling
TC-010: Score HUD Display	✓ PASSED	Point tracking to 20

4. Quick Start Guide

Starting the Game

- Host: One player clicks "Host"
- Join: Second player clicks "Join" (same local network)

Controls

- Player 1: WASD to move, E to pick up trash and F to drop trash
- Player 2: WASD to move, E to pick up trash and F to drop trash

How to Win

- First to correctly sort 20 items wins
- Cooperative gameplay - help each other learn

Bin Types

- Black: Restmüll (general waste)
 - Brown: Bio (organic waste)
 - Yellow: Plastic containers
 - Blue: Paper and cardboard
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5. Final Acceptance Declaration

System Status:  ACCEPTED

Acceptance Date: June 25, 2025

Confirmed Features:

- [x] Local network multiplayer (2 players)
- [x] First-to-20-points victory
- [x] No timers
- [x] Cooperative gameplay
- [x] Separate computer controls (WASD)
- [x] Basic trash sorting education
- [x] All tests passed