

# Game Design Document (GDD)

**Title:** Quantum Cafe

**Genre:** Simulation

**Platform:** PC (Steam)

**Budget:** \$100,000

## Overview

Quantum Cafe is a management simulation game that puts players in charge of their own futuristic cafe, where they serve a diverse array of customers from across the galaxy. Players must manage their resources efficiently, hire and train staff, and expand their cafe empire to become the most popular spot in the cosmos.

## Gameplay Mechanics

**Resource Management:** Players must manage finances, ingredients, and equipment to ensure smooth operations.

**Staff Management:** Hire and train employees with different skills to handle various tasks efficiently.

**Customer Satisfaction:** Fulfill customer orders quickly and accurately to keep them happy and earn tips.

**Expansion:** Invest in upgrades, new recipes, and marketing campaigns to attract more customers and expand your cafe empire.

**Random Events:** Encounter unexpected challenges like alien invasions or celebrity visits that can impact gameplay.

## Milestones

### Development:

**Conceptualization (Weeks 1-2):** Define game concept and target audience.

**Prototype Development (Weeks 3-4):** Create and iterate on playable prototype.

**Alpha Development (Weeks 5-8):** Implement features and basic content.

**Beta Development (Weeks 9-12):** Complete feature implementation and playtesting.

**Polish and Optimization (Weeks 13-14):** Refine visuals, gameplay, and performance.

**Launch Preparation (Weeks 15-16):** Prepare marketing materials and coordinate release.

**Launch (Week 17):** Release the game and monitor performance.

### Budget:

**Prototype Development (\$10,000):** Develop a playable prototype to validate core gameplay mechanics and concepts.

**Core Gameplay Implementation (\$40,000):** Develop the full game with all planned features, focusing on resource management, staff interactions, and customer satisfaction.

**Polish and Testing (\$20,000):** Test, debug, and polish the game to ensure a smooth launch, including QA testing, user experience improvements, and performance optimization.

**Marketing and PR (\$15,000):** Allocate funds for marketing efforts to promote the game, including advertising, attending gaming events, and reaching out to influencers.

**Contingency (\$10,000):** Set aside funds for unexpected costs or overruns during development.

**Support and Maintenance (\$5,000):** Allocate resources for post-launch support, including updates, patches, and ongoing customer support.

## Career System

**Progression:** Begin as a novice cafe owner, tasked with breathing life into a small, dilapidated shop. Through diligent service, task completion, and goal achievement, earn experience points (XP) to level up. As your expertise grows, unlock practical benefits such as quicker cooking times, ingredient discounts, and special menu options. Quantum Cafe features diverse skill trees offering abilities and upgrades. An achievement system provides rewards for completing objectives, ensuring personalized progression.

**Promotions:** Success in the cafe realm hinges on your ability to attract and satisfy customers. With each triumph, progress from humble beginnings to coveted locations across the galaxy. Higher-tier venues offer increased challenges and exclusive rewards, including unique ingredients and VIP events. Gain renown as you expand your empire, leaving an indelible mark on the cosmic cafe scene.

### *Unique Features*

**Dynamic Events:** Introduce random events to add variety and challenge, prompting players to adapt quickly.

**Customization:** Enable players to personalize their cafe's layout, decor, and menu, influencing customer preferences.

**Community Engagement:** Integrate social features such as leaderboards and event challenges to foster player interaction and competition.

### *Gameplay Loop*

**Begin as a Novice Cafe Owner:** Start with a small, rundown shop on an intergalactic hub.

**Manage Resources and Staff:** Efficiently handle finances, ingredients, and staff training.

**Serve Diverse Customers:** Fulfill orders to earn tips and improve your cafe's reputation.

**Earn XP and Level Up:** Serve customers, complete tasks, and achieve goals to level up and unlock new abilities.

**Invest in Upgrades and Expansion:** Use earnings to upgrade and expand your cafe across the galaxy.

**Encounter Dynamic Events:** Adapt to unexpected challenges like alien invasions or celebrity visits.

**Earn Promotions and Specialize:** Gain promotions for access to larger locations. Customize your cafe to attract specific customers.

**Engage with the Community:** Participate in leaderboards and challenges to compete and collaborate.

**Repeat and Refine:** Continuously refine your strategies to become the most popular spot in the cosmos.

### *Game Modes and Multiplayer*

**Quantum Cafe offers two modes:** Campaign Mode for narrative-driven gameplay, and Sandbox Mode for unrestricted cafe management. Asynchronous multiplayer enables players to visit each other's cafes and compete in online challenges and events.

### *Accessibility and User Experience*

**Accessibility:** The game ensures inclusivity through its accessibility features. Customizable difficulty settings allow for adaptable gameplay experiences, empowering players to adjust the challenge level or modify control schemes to suit their needs. Support for multiple languages and input methods further fosters a welcoming environment for players worldwide.

**User Experience:** prioritizing a seamless player journey with intuitive interfaces, engaging visuals, and immersive audio. Dynamic gameplay mechanics and compelling storytelling keep players deeply invested in their cafe empire, resulting in an enjoyable and memorable gaming experience.

### *Post-Launch Player Feedback and Iteration*

**Feedback Collection:** Establish channels for player feedback, including in-game forms, forums, and social media. Monitor player reviews, discussions, and analytics to gather insights.

**Iterative Development:** Plan regular updates to address feedback and introduce new content. Prioritize player-requested features and bug fixes, while maintaining a transparent roadmap for upcoming changes.

**Community Engagement:** Foster ongoing dialogue through blogs, patch notes, and live streams. Organize events and promotions to sustain player engagement. Recognize and reward dedicated community members for their contributions.