Cozy Game…

Design Document

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Table of Contents

[Overview 2](#_Toc146277624)

[Game Concept 2](#_Toc146277625)

[Genres 2](#_Toc146277626)

[Target Audience 2](#_Toc146277627)

[Project Scope 2](#_Toc146277628)

[Game Components 3](#_Toc146277629)

[Gameplay 3](#_Toc146277630)

[Game Objectives 3](#_Toc146277631)

[Game Progression 3](#_Toc146277632)

[In-game Graphics User Interface (GUI) 3](#_Toc146277633)

[Mechanics 4](#_Toc146277634)

[Rules 4](#_Toc146277635)

[Player Interactions 4](#_Toc146277636)

[Game Elements 4](#_Toc146277637)

[World Narrative 4](#_Toc146277638)

[Characters 4](#_Toc146277639)

[Locations 4](#_Toc146277640)

[Assets 4](#_Toc146277641)

[2D Models 4](#_Toc146277642)

[Music 5](#_Toc146277643)

[Sound Effects 5](#_Toc146277644)

[Game Prototyping 7](#_Toc146277645)

[The Team 7](#_Toc146277646)

[Task List 7](#_Toc146277647)

[Timeline 8](#_Toc146277648)

[Further Development 10](#_Toc146277649)

[Features 10](#_Toc146277650)

[Assets 10](#_Toc146277651)

[Levels 10](#_Toc146277652)

[Appendix 11](#_Toc146277653)

# Overview

## Game Concept

### Genres

The game will consist of 2D fixed environments, designed to be played on a computer and implemented in unity.

The game aims to maintain a relaxing atmosphere with emphasis on comfort and self-care referred to as Comfort Gaming.

Despite this the game will introduce complexity with resource gathering and item management. This combined with the customisable nature of the game aims to create individual environments the player can lose themselves in.

### Target Audience

The game is targeted towards a casual game audience, where the player does not need to have extensive knowledge or experience with games and game mechanics. It is also aimed towards players who actively seek out games to alleviate the stress of daily life. This is implemented by pulling the player into a cute and natural world where the tasks and goals are simple, optional and repetitive.

### Project Scope

After the duration of the allotted time the game will consist of 2 characters with their own environments with character specific resources. This will be used to contribute to the other character’s environment. These will consist of at least 2 interactable items for each character. In addition, the characters will have access to an additional farmland. All contained within a primary environment.

In summary:

* 1 Main environment
* 1 Farm environment
* 2 Characters
* 1 Character environments x 2
* 1 Character created resource x 2
* 3 Production states per character x 2
* 1 Resource collection item x 2 + 1 Wood
* 2 Customisable items x 2 options x 2 characters

# Game Components

## Gameplay

### Game Objectives

There are no primary objectives or end goals. Secondary goals will consist of upgrading items within the character space.

### Game Progression

This consists of unlocking additional characters and item options to gain more resources. The resources will then be used to unlock more characters and items.

### In-game Graphics User Interface (GUI)

The game will open with a main menu that will allow the player to adjust settings, continue a pre-existing game or start a new game.

A white background with black text

Description automatically generated

From there the game will consist of a main screen consisting of a tree with 3 selectable environments.

In the environments there will be a list of resources with the amounts and a screen for the environment with selectable items.

A white square with black text

Description automatically generated

When items are selected arrows will then be used to swap between customisation options for objects within a character space when it is selected.

## Mechanics

### Rules

Rules that the game abide by.

### Player Interactions

Player will be able to click between environments. Select items to upgrade or plots to plant via arrows next to said objects. Click on the resource crates to collect resources.

## Game Elements

### World Narrative

You are an omniscient being overlooking a tree and it’s inhabitants.

### Characters

List of characters that will be implemented for the game. (Including concept art)

#### Bee

#### Silkworm

### Locations

Areas that will be implemented for the game. (Including concept art)

#### Tree

#### Farm

#### Beehive

#### Leaf pile

## Assets

### 2D Models

List of 2D Models we will aim to have completed for the game.

* Main Tree environment
  + Hive (Interactable)
  + With leaves and sticks (Interaction)
  + Plots (Interactable)
  + Resource Images x 3
* Farm land
  + Plots (Interactable) x 2 characters
  + Different Plot types x 2 characters
  + Character in farmland (Animation) and Visual change (outfits) x 2characters
* Hive environment
  + Bee (Animation)
    - Idle Animation
    - Working Animation
    - Sleeping Animation
    - Walk Cycle Animation
  + Table and chair
  + Bed
  + Wax Frame (Animation)
* Silkworm environment
  + Silkworm (Animation)
    - Idle Animation
    - Working Animation
    - Sleeping Animation
    - Walk Cycle Animation
  + Table and chair
  + Bed
  + Loom (Animation)

### Music

List of scenes or menus that will have background music.

* **Main Tree**  
  Relaxing, happy and simple
* **Farm Music**  
  Muted, wind, outdoor noise, outdoor atmospheric sounds and bird noises
* **Bee Environment**Bustling noise, primary instrument, fast
* **Silkworm Environment**Softer, calmer and slower

### Sound Effects

List of sound effects that will be implemented and where.

* **Environment switch sound – Arrow click between environments**Short click, punch
* **Interaction with item for sound – Click on item to interact with**Bell, light
* **Upgrade sound – When the item is upgrade**Celebratory, Cheery
* **Character movement sound – When character is moving x 2**Bee - buzzing  
  Silkworm – slide
* **Character resource noise – While the character is developing their resource x 2**  
  Bee - Humming, softer buzzing  
  Silkworm – Loom running
* **Character farm noise – While the character is in the garden x 2**  
  Bee – Watering sounds  
  Silkworm – Digging, dirt shuffling

# Game Prototyping

### The Team

***Bi Wan Low (101814341): Lead Programmer/Producer***  
Primarily responsible for implementing mechanics and interface between the art animation and sound. Also responsible for creating and reviewing game documentation and ensuring that the timeline is being adhered to.

***Jessica Harmer (103060612): Game Designer/ Environment Designer***  
Primarily responsible for outlining the rules of the game and what the final product will consist of. Also responsible sourcing and creating environment and background art assets.

***Nicolette Zorbas (102614665): Character Designer/Animator***  
Primarily responsible for creating character assets. Also responsible for animation and leading implementation of character assets.

***Syed Faiyaz(Raad) (102614665): Audio Designer/***  
Primarily responsible for sourcing music and sound effect assets. Also responsible for implementing the art, sound and animation in Unity.

### Task List

##### Environment Build

Main environment.

* Tree
* Farm plot
* Bee environment
* Silkworm environment

##### Game UI

The design & incorporation of the task-list & menus.

* Ui display
* Tasks listed
* Options & Menu Screen

##### Character Design

The tasks involved in the character design & animation.

* Character models (Bee & Silkworm)
* Walk cycle
* Object interaction animation

##### Sound Design

The basic sounds required for the game.

* Background music
* Task done (partial and full)
* Appliance noises
* Homeowner: Footsteps, expression noise
* Basic click/select

### Timeline

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week | Bi Wan | Jess | Nic | Raad |
| 6 | Reformat Design Document | Redesign gameplay | Redesign game aesthetic | Think of game ideas |
| 7 | 2D environment development | Outline key game elements | Outline key art assets | Outline Sound design |
| 8 | Skeleton of game scene changes and interaction buttons | Environment creation | Outline game/element interaction | Start accumulating Sound assets |
| 9 | Implement scene | Environment creation | Asset animation and creation | Implement sound assets |
| 10 | Playtesting/Bug-Fixing | "Environment Build/2D asset support, Playtest" | Asset animation and creation | "Input final environmental features/designs, Playtest" |
| 11 | Playtesting/Bug-Fixing | "Finalise asset implementation, Playtest/Bug-Fixing" | "Continue animations, Playtest" | "Finalise asset implementation, Playtest" |
| 12 | Playtesting/Bug-Fixing | Playtesting/Bug-Fixing | "Finalise asset implementation, Playtest" | Playtesting/Bug-Fixing |
| 13 | Playtesting/Bug-Fixing | Playtesting/Bug-Fixing | Playtesting/Bug-Fixing | Playtesting/Bug-Fixing |

# Further Development

\*\*These will only be implemented if all previous tasks are included, and all parties involved in its development are able to implement these changes safely.\*\*

### Features

Additional Features to be coded into the game.

### Assets

Additional Assets that we would like to develop if there was time.

### Levels

Additional levels that we would like to develop if there was time.

# Appendix