

Pixel Cafe Game Documentation

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Abstract

This document was made for the soul reason to plan out the upcoming game "Pixel Cafe" on Roblox. This document will mention everything from how the main menu should be designed, the npc interactions and logic map plans and design, and anything else needed to help aid the development team to success.

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1 Main Menu

1.1 Scenery shot

Upon a player joining after they are done loading their camera should be placed looking at an location of an *custom build* map. Adding blurs and other visual effects is **optional**. Their should be multiple versions of the map depending on the season, ie if it's winter a snowy version of the map should be loaded in, and if it's summer or some other season or an event like halloween the map should be loaded to fit the mood.

For more info about the map design please click [here](#)

1.2 UI for the Main Menu

The next list will show all the options the main menu will have to have...

- PARTY UI
- STORE UI
- TRADE UI
- INVENTORY UI
- LEADERBOARD / RANK UI

1.2.1 Party UI

The party UI is a group of UI's that should give the player options to:

- CREATE PARTIES
- INVITE PLAYERS TO PARTIES
- REMOVE PLAYERS FROM PARTIES
- START A GAME WITH YOUR PARTY
- JOIN FRIEND

When creating parties the party maker/creator should be allowed to make it an **opened** or **closed** party. If the party is open then it will be displayed for everyone to see and join, however if the party is closed then only the party creator can invite other players that **aren't** in a party. **Only the party creator** can kick / remove players from his party. And finally upon pressing play the game should teleport everyone in the party to the desired location, if the teleport fails the players are to be informed of the failed teleport. When creating a party the player will be presented with more then just one option to make the party opened or closed. The next list will show you all the options the player will be prompted upon making a party.

- PARTY TYPE
- FRIENDS CAN JOIN SESSION

If the party is an open type it will get a few more **bonus** option... such as

- MINIMUM LEVEL REQUIERMENT
- MINIMUM DAYS SURVIVED

Keep in mind that all of these bonus options are **OPTIONAL**.

1.2.2 Store and Trade UI's

Before reading about these UI's it will come in *handy* if you check out the [Player Data](#) section.

The store UI should allow the player to purchase the listed items:

- IN GAME “LOOT CRATES”
- GAMEPASS’S
- DEV PRODUCTS

To learn more about all of these please click [here](#).

The Shop UI should offer the player options to select what they wanna buy, on the far right side it should display the item the player selected AND *Show the items description*, it should also show you the items price, and the currency you would need to pay for the item.

Once the player press's the *trade button*, they will be prompted with a player list that they can requests trades with. Upon sending a request if the player accept the request a new UI would be represented that will let the players put stuff from their inventory to the trading UI. The trading UI will be a giant frame, on the top of the frame will be a 6×2 grid, the first 6 slots will be for the first player and the other 6 for the other player. If they have multiple of the item they would be promoted with an option to select how much of *that one item* should they put into the trade, this means they can have up to 6 *unique* items in the trade. On the right side of the main UI will be the other persons character frame with their name below them, and right below that would be a private chat between the two players. Below the trading part would be the players inventory with a filter bar on the top of that inventory frame, and right below the inventory will be an *accept* and *decline* button.

2 Main Game

This section will talk about the main game mechanics.

2.1 Basic Gameplay Overview

Once all the players get teleported and the game starts the players will need to wait for the party leader to chose a save file, once a save file has been selected and the entire cafe loaded the players will also get teleported into the cafe. If the game is brand new they get teleported into the cafe with all the default tools. The game will start off with a small storage unit, bakery, and the main cafe area, it will also start off with a small parking space which will be important to upgrade since the more parking space you got the more room for people to come you got. The game runs over two basic systems, money and ratings. If at any time your rating goes way below the *requiered minimum rating* for staying open or if you do not manage to make enough money to pay daily taxes you will lose the game and the save file will be forcfully deleted. The game has a few different things that need to be managed by players, one of the things will be serving customers, a player is expected to go to a custom, talk to them and write everything down, upon writing everything down you will give the order to the barista who would take care of the order, and there are planty of other jobs that you can take a look at [here](#). Another aspect of the game has to do with the fact that food can and will get spoiled, and also ordering ingridients takes a lot of time, so making sure you order enough and order in things in time will be really important, upon the day finishing if the players haven't lost they will be prompted with a continue button so the players can have a breather or if they need to take a bathroom break. And that's the *brief* overview of the game, for more detail on everything else please keep reading the document.

2.2 Jobs

2.2.1 Drinks Assembling

Drink assembling as the name says, is a job that requires someone to assemble drinks, but before we can explain the process that has to be done, let's first off start listing everything we need for the drink assembler to do his/her job:

1. Blender
2. Grinding Machine
3. Steamer
4. Ice Maker
5. Cup & Lid Holder
6. Syrup Holders / Dispensers
7. Cream Holders / Dispensers
8. Cutting Board
9. Juicer

LIST OF TOOLS

- SYRUPS
 1. CARAMEL
 2. CHOCOLATE
 3. VANILLA
 4. HONEY
- CREAMERS
 1. CARAMEL
 2. CHOCOLATE
 3. FRENCH VANILLA
 4. HAZLENUT
 5. COCONUT
 6. ALMOND
 7. PEPPERMINT
 8. PUMPKIN SPICE
- MILK
 1. SKIN MILK
 2. WHOLE MILK
 3. SOY MILK
 4. ALMOND MILK
 5. COCONUT MILK
 6. MILK FOAM
- TOPPINGS
 1. COOKIES CRUMBS
 2. CHOCOLATE CHIPS
 3. SPRINKLES
 4. CHERRYS
 5. LEMONS
 6. STRAWBERRIES
 7. WHIPPING CREAM
 8. POWDERS
 - (A) CHOCOLATE POWDER
 - (B) VANILLA POWDER
- COFFEE BEANS
 1. BRAZILIAN BEANS
 2. FRENCH VANILLA BEANS
 3. DARK ROAST BEANS
 4. HAZELNUT BEANS
- TEA LEAVES
 1. BLACK TEA
 2. GREEN TEA
 3. WHITE TEA
 4. YELLOW TEA
 5. APPLE TEA
 6. TURKISH TEA
 7. RASPBERRY TEA

LIST OF INGRIDIENTS

Frappes

1. ChocoMoco Frappe:

- Hazlenut beans, w/ chocolate creamer, blended with ice. Then topped with whipping cream and chocolate syrup, finally, you will sprinkle some chocolate chips ontop of the whipping cream.

2. Caramel Blessing Frappe:

- Steamed water, Brazilian beans, w/ caramel creamer, blended with ice. Then topped with whipping cream and Caramel syrup.

3. Vanilla Lovers Frappe:

- Steamed water, French vanilla roast beans, w/ French vanilla creamer, blended with Ice. Then topped with whipping cream and vanilla syrup, finally, you will sprinkle some vanilla powder ontop of the whipping cream.

Espresso

1. Brazilian's Espresso:

- Brazilian beans w/ steamed water and sugar

2. French Vanilla Espresso:

- French vanilla beans w/ steamed water and sugar

3. Dark Roast Espresso:

- Dark Roast beans w/ steamed water and sugar

4. Hazelnut Espresso:

- Hazelnut beans w/ steamed water and sugar

Americano

1. Brazilian's Espresso:

- Brazilian beans w/ steamed water, more added water w/ sugar

2. French Vanilla Espresso:

- French vanilla beans w/ steamed water, more added water w/sugar

3. Dark Roast Espresso:

- Dark Roast beans w/ steamed water, more added water w/sugar

4. Hazelnut Espresso:

- Hazelnut beans w/ steamed water, more added water w/sugar

Cappuchino

1. Amazonian rain:

- Brazilian beans, w/ steamed coconut milk. Topped with Milk foam

2. Vanilla perfection:

- French vanilla beans, w/ steamed whole milk. Topped with milk foam

3. Future sight:

- Hazelnut beans, w/ steamed whole milk. Topped with milk foam

4. Dreamy Haze:

- Hazelnut beans w/ steamed almond milk. Topped with milk foam

5. Crazy Capp:

- Dark Roast beans w/ steamed skin milk. Topped with milk foam

Latte

1. Brazilian Latte:
 - Brazilian beans, w/ steamed coconut milk $\times 2$. Topped with Milk foam
2. Vanilla Latte:
 - French vanilla beans, w/ steamed whole milk $\times 2$. Topped with milk foam
3. Hazel Latte:
 - Hazelnut beans, w/ steamed whole milk $\times 2$. Topped with milk foam
4. Hazel Latte (no lactose):
 - Hazelnut beans w/ steamed almond milk $\times 2$. Topped with milk foam
5. Dark Roast Latte:
 - Dark Roast beans w/ steamed skin milk $\times 2$. Topped with milk foam

Black Coffee

1. Brazilian Coffee:
 - Brazilian beans w/ steamed water
2. French Vanilla Coffee:
 - French vanilla beans w/ steamed water
3. Dark Roast Coffee:
 - Dark Roast beans w/ steamed water
4. Hazelnut Coffee:
 - Hazelnut beans w/ steamed water

Mocha

1. Vanilla Mocha:
 - Steamed water, French vanilla beans w/ chocolate creamer. Topped with whipped cream, vanilla syrup, and chocolate powder
2. Crazy Mocha:
 - Steamed water, Dark Roast beans w/ chocolate creamer. Topped with whipped cream, and chocolate syrup
3. True Mocha:
 - Steamed water, Hazelnut beans w/ chocolate creamer. Topped with whipped cream, Chocolate syrup, Chocolate powder, Chocolate chips

2.2.2 Baking

2.2.3 Serving / Taking Orders

This job is self explanatory, you would be going around the cafe and taking orders from the npcs, you will have to write the orders down and be sure to be very descriptive because your baker / barista will highly depend on your note taking skills, and further more you will need to make it very clear for what table the order is for so you can bring the food / drinks to the proper table. Some tools that you will be using are as follow:

1. Note Book
2. Tray
3. Cash Register

2.2.4 Cleaning

During the day there will be a lot of mess that needs to be cleaned in order to keep the cafes good reputation! For example maybe the baristas would need more clean cups, and maybe the waiters would need more clean plates to put the bakery products on them, it's the cleaners job to keep everything clean and ready! Here are the thing that players would be using if they decided to clean:

1. Janitor Cart (This is basically a lot of different things combines)
2. Cleaning Sprays
3. Sink
4. Broom

2.2.5 Ordering & Storing

During the day your co workers and you will need suplies to do certain things... obviously you can't do cooking or drink assembling if you don't have the right ingridients or even tools for the job. Be sure to know when ordering you can ***ONLY MAKE ONE ORDER AT A TIME***. Once an order is made you will need to wait for the delivery truck to arrive when the delivery truck arrives you will also need to empty it and drag everything in the proper storage unit before it goes bad. Be sure u get everything out because you wont be able to make another order until the truck if emptied out and on its way. Some tools that you will use for your job go as follow:

1. Ordering Tablet
2. Platform Trolley Cart
3. Thermostat

2.2.6 Cooking

Cooking is an important job for the cafe as a lot of the npc's will be asking for snacks with their drinks. Cooking consists of food that can lose quality really fast so this job will requier a lot of planning and smart preperations beforehand.

Some of the things you will be requiered to cook are:

- Sandwiches
 1. Egg Salad Sandwich
 2. Turkey & Cheese Sandwich
 3. Chicken & Cheese Sandwich
 4. Grilled Cheese Sandwich
 5. Ham & Cheese Sandwich
- Eggs
 1. Omelet
 2. Sunny-Side-Up
 3. Scrambled eggs
- Soups
 1. Tomato Soup
 2. Chicken Noodle Soup
- Salads
 1. Chicken Salad
 2. Seasonal Salad

- 3. Caesar Salad
- 4. Greek Salad
- 5. Classical Salad
- Pancakes
 - 1. Blueberry Pancakes
 - 2. Plain Pancakes
 - 3. Strawberry Pancakes
- Waffles
 - 1. Plain Waffles
 - 2. Blueberry Waffles
 - 3. Strawberry Waffles
- Toast
 - 1. Avocado Toast
 - 2. Buttered Toast

The tools you will be using to make all of these things are as follow:

- 1. Oven
- 2. Stove Tops
- 3. Toaster
- 4. Cutting Board
- 5. Blender
- 6. Sandwich Prepping Station
- 7. Salad Prepping Station

Recepies

- Sandwiches
 - 1. Egg Salad Sandwich:
 - Cooked scrambled egg, with lettuce, mayo, and toasted whole grain bread.
 - 2. Turkey & Cheese Sandwich:
 - Turkey, with cheese, with whole grain bread.
 - 3. Chicken & Cheese Sandwich:
 - Chicken, with cheese, with whole grain bread.
 - 4. Grilled Cheese Sandwich:
 - Cheese, in-between whole grain bread, then brought over to the stove top, cooked on each side.
 - 5. Ham & Cheese Sandwich:
 - Ham, with cheese, with whole grain bread.
- Eggs
 - 1. Omelet:

- Egg, with cheese, lettuce, pepper, and onion, cooked in a frying pan ontop of the stove top.
- 2. Sunny Side Up:
 - Egg that is only cooked on 1 side.
- 3. Scrambled eggs:
 - Egg that is scrambled in the pan.
- Waffles
 1. Plain Waffle:
 - Egg, Flour, and Milk blended, then later added to the waffle maker
 2. Blueberry Waffles:
 - Egg, Flour, Milk, and Blueberrys blended, then later added to the waffle maker
 3. Strawberry Waffles:
 - Egg, Flour, Milk, and Strawberrys blended, then later added to the waffle maker
- Toast
 1. Avocado Toast:
 - Toast whole grain bread, then topped with avacado
 2. Buttered Toast:
 - Toast Whole grain bread, then topped with butter
- Soups
 1. Tomato Soup:
 - Blended tomatos, with milk, set to a boil in a pot.
 2. Chicken Noodle Soup:
 - Cook noodles, with chicken added to it in a pot.
- Pancakes
 1. Blueberry Pancakes:
 - Egg, flour, milk, and blueberrys blended, then later added to a frying pan.
 2. Plain Pancakes:
 - Egg, Flour, and Milk blended, then later added to a frying pan
 3. Strawberry Pancakes:
 - Egg, Flour, Milk, and strawberrys blended, then later added to a frying pan
- Salads
 1. Caesar Salad:
 - Lettuce, Croutons, Olive Oil, Lemon Juice, and Cheese
 2. Chicken Salad:
 - Chicken, Lettuce, tomato, mayonnaise, grounded black pepper.
 3. Greek Salad:
 - Tomatos, cucumbers, olives, feta cheese, and onions. And dressed with olive oil
 4. Classical Salad:
 - Lettuce, Tomato, onions, peppers, cheese, and ranch dressing
 5. Seasonal Salad:
 - Lettuce, Tomato, Ham, & Cheese Salad. dressed with olive oil

3 Tools

3.1 Player Interactions & Item Basics

When a player hovers over an interactable item the item will start to glow to indicate that the item can be interacted with. There are three types of interactable items:

1. Pickable Items
2. Usable Items
3. Pickable & Usable Items

Pickable Items are items that can only be picked up and can not be used directly (ie any ingredient), Usable items are items that can *only be used* and *not* picked up (ie sink), and pickable & usable items are items that can be both picked up and then used after being picked up (ie knife).

An example of using all of these 3 would be as follows, you would pick up an lemon (pickable item) and drop it off at the cutting board (usable item), afterwards you would take a knife (pickable & usable item) and use it on the cutting board to cut the lemon.

If you were to press *E* while hovering over an item three things can happen... First if you are empty handed you will pick up the item **IF** *the item is pickable item type*, second thing that can happen is if you already have an item in your hands, if this item is an *pickable item* then nothing will happen, however if it's the item the player is holding is *pickable & usable item* **AND** if an interection between them exists then the given interection will happen, if not then nothing will happen.

If you were to press *F* then you will drop the item you are currently holding, if you are not holding anything in your hands nothing will happen.

3.2 Pickable Items

1. Ice
 - You get them from ordering specific ingredients, they usually contain multiple of an ingredient type in them
2. Fruits
3. Supply Bags
 - Used for putting different types of food on it
4. Dishes

3.3 Usable Items

1. Blender
 - This machine is used for blending different fruits into smoothies, and it's also used for blending ice to make cold drinks
2. Grinding Machine
 - This Machine is used for grinding coffee beans
3. Steamer
 - This machine is used for warming up drinks or ingredients such as milk and or water
4. Ice Maker

- This machine will convert water into ice overtime
- 5. Cup & Lid Holder
 - This is just a place to store your cups
- 6. Syrup Holders / Dispensers
 - As the name says this machine dispenses different syrups
- 7. Cream Holders / Dispensers
 - As the name says this machine dispenses different creams
- 8. Cutting Board
 - This tool is used for cutting different fruits into smaller parts
- 9. Juicer
 - This machine is used for squishing fruit halves into the glass
- 10. Grater
 - This is used to peel fruits into smaller parts
- 11. Sink
 - Used as a water supply, also used to clean dishes
- 12. Trash
 - Used for item disposal

3.4 Pickable & Usable Items

1. Knife
 - Combined with cutting board this tool can cut fruits into halves and halves into pieces
2. Tea Bags
 - When combined with a cup with boiling water it can be used to make tea
3. Scooper
 - When used on supply bag, you will take some of the supplies out of the bag
4. Bucket
 - Used to carry things like water, ice, blended ice... etc

4 Player Data

5 Monetization

6 Map Design

6.1 Main Menu Scenary Shot

The Scenery shot of the main menu should be a table inside a building (possibly the cafe) that has a huge window looking towards the outside the table should be big enough to fit 9 people 6 from the sides, 2 facing the window, and 1 looking from the windows onto the table, the table is suppose to have some stuff on it ie. a laptop, some graph papers, and possibly coffee cups. The outside of the window should be a road with road lamps, and possibly a forest behind the road, there should also be a *swinging* lamp

on the top as well. The camera will be looking at the table towards the window. For more detail please look at the reference image.

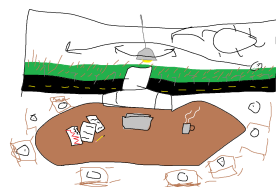


Figure 1: Reference image for main menu map