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**Comm.PantryFY: A mobile-based Community Pantry Inventory Management Application with Insightful Analytics for Zealous Community Organizers of Florida, Pampanga**

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# Introduction

The community pantry is currently one of the most commonly activities or local donations which is already packed goods to help others in need, such as our countrymen who are short on money and can no longer afford to support due to unemployment. What is community pantry? It’s a food service to get a local response to hunger such as relying on the organizer's ability to give of what they have in order to provide for other necessities throughout the crisis. The packed goods contents are canned goods, noodles, rice, vitamins, and other essentials, the organizers utilize or do this to solve the food & water shortage and to help the Filipinos as well.

Nowadays, Filipinos are in a situation where they can't find work because someone is losing their job due to a reduction in employee, businesses are going insolvent due to a lack of income, and transportation is also made difficult due to travel restrictions and rising prices, so the pandemic's impact is usually causing most Filipinos to suffer. Therefore, it is not only the poor who benefit from the community pantry since those who are not in need are the ones who are greedy in acquiring packed goods, even with a sign that says “Take what you need, give what you can,” it is not always fair to those in necessities. So, to solve the issue that it is not fair for them to take packed goods in the community pantry, there is a suggestion to develop an application that can only be used by people who reside in the organizer's immediate vicinity, so that it is not exploited by others.

This system already tracks how many packaged items will be provided and how many have already been distributed, you can also check how many have been lessened and supplied in this section. It will be fair to contribute to individuals, especially those who are honestly in need, with the support of this system. How can people find out if and where there is a community pantry? They can use these applications to find out in which location and how many packaged items are still available. This suggestion is limited to an equitable distribution of packaged goods for those in need and those who are not.

# Statement of the Problem

**General Problem:**

The researcher aims to provide a better way of supervising the items properly to avoid confusion amidst the event. Moreover, to ensure that there are no units in excess or in short supply in the storage so that the organizer's performance is not jeopardized.

**Specific Problems:**

Introductory statement

1. Would the items in the inventory is adequate enough to accommodate crowd present at the community pantry?

2. Is the provided goods would suffice with the chance of greedy people attending the event?

3. Does the organizer have an idea what to properly store in the pantry for the crowd taking part in?

4. How would the organizer handle people that exploits the community pantry?

# Objectives of the Study

**General Objective:**

To further improve the community pantry, particularly for people affected by a natural disaster, pandemic, or other crisis, it can also help to prevent the presence of food waste, particularly in food chains and grocery stores where they dispose of those that do not pass muster in terms of quality and surpluses that are simply allowed to rot. Instead of wasting them, they can be donated to the organizer to be distributed to people in need.

**Specific Objectives:**

Introductory statement

1. To make a proper way of distributing the packed goods

2. To verify who the receivers of the packed goods are

3. Instead, they will worry about how many they want to carry, and there should be a limit to be fair to others who want to transport packaged products

4. The organizer can also use manual counting of applications to determine which packed goods are more available so that they can concentrate on those whenever a community pantry is provided

# Scope and Delimitations

The propose Comm.PantryFY application aims to further refine community pantry by providing a convenient inventory management for the organizer to oversee the items stored available. It ensure that people who have been afflicted by a natural catastrophe, epidemic, or other crisis would have a proper allocation of goods in case the crowd supercedes the items preserved. Furthemore, it makes sure the left goods wouldn’t be wasted by tracking the behavior of the crowd to predict of what works and what doesn’t. It could be accessed by the community especially those passionate on volunteering on the food distribution site with mobile that have an internet connection.

The researchers delimits the mass taking part in the community pantry as it could lead to hoarding of the foods leaving others in need miss the goods provided for them.

# Target Respondents and Locale

The study primarily focused on the passionate people who willing, participated, volunteered and interested in a humanitarian aid in the vicinity of Florida, Pampanga. This people shows the affinity to be selfless and importantly this act of altruism is what a community pantry organizer should possess.

# Significance of the Study

The proposed study satisfies the community of food pantry as a whole. With properly organize management of inventory the organizer could eschew the crowd from running out of foods that they need, thus, boosting people’s morale. The application yields insights about the community pantry to which the organizer could interpret how the event went. Therefore, an organizer could extrapolate the likelihood of how well the event could go.

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