

# **NTASC Food Company (CSC 375 Group 5)**

## **“Phüd” Mobile Application**

### **Request for Proposal**

**Version 2.0**

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*Project Version 2.0*

## Document History

Version	When	Who	What
1.0	Sept. 20, 2021	Team	Initial Draft
2.0	Sept. 23, 2021	Team	Final Version

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## 1.0 Problem Description / Expression of Need

The NTASC Food Company currently maintains a searchable database of recipes that is currently only accessible by website. We want to make ourselves more available to atypical users such as college students, those on a tight budget, those who want to limit food waste, and we want to bring our services into the modern age.

Adolescents tend to prefer ordering from a restaurant instead of cooking their own meals out of convenience, and services such as Uber Eats exacerbate the problem. Companies such as Blue Apron try to mitigate the issue by providing meal kit subscriptions, but that can become an expensive alternative. Students attending college are likely to be on a tighter budget and maybe strictly purchasing items that are on sale at the supermarket. This leads to having a wide range of food that they may not know how to incorporate into a meal. The application should help the user find recipes consisting of ingredients they may already have in their fridge or pantry.

Food waste is a very real problem. There are roughly 1 billion tons of food wasted every year. The application should help those who want to limit their food waste output by providing a way to inventory food and track expiry dates.

NTASC is looking to modernize our services and to motivate younger, inexperienced cooks so that they at least consider making meals at home. The application should be beneficial to those on strict budgets, and those looking to

minimize food waste. The application should also be appealing to current users of the existing platform, and newly targeted users.

## **2.0 Project Objectives**

The implementation of the application should help the business in the following:

- Become more available to its customers and widen its customer base.
- Become more modernized to make it easier for customers to access the services provided.
- Expose inexperienced people to quick and easy recipes.
- Reduce food waste by providing quick access to recipes.

## **3.0 Current System(s)**

NTASC Food Company already has a searchable database of recipes that specifies ingredients and directions. Some recipes come with video tutorials, while others are text only. Each entry in the database contains basic info about the recipe including the title, description, ingredients, cooking steps, recipe rating, images of the food, and nutrition facts. We currently have a website that provides a place where people can search for and read through our recipes.

NTASC is always expanding our list of recipes through user submissions. We currently have a system for reviewing recipes sent to us and adding them to our database if they meet our requirements.

## **4.0 Intended Users of the System**

The intended users of the system are people with limited cooking skills or busy lives that need to use the ingredients they already have to get simple recipes. Meanwhile, by using the food expiration reminders, they can manage the ingredients to reduce food waste.

## **5.0 Known Interactions Within or Outside the Client Organization**

Possible interactions between the existing client organization and its technologies include

- Authentication System - User accounts must utilize a secure authentication method in compliance with existing NTASC security protocols, and any collection of user information must not violate existing NTASC privacy policies.
- Email Server - All email traffic sent to and received from users of the application must route through the NTASC email servers.
- Databases - Must use data from existing recipe databases utilizing the established data format specifications. Any new recipes originating from users of the application may be considered for addition to the database, however, they must meet data format specifications.

## 6.0 Known Constraints to Development

Some possible constraints to the development process include

- Compatibility with the existing recipe database as well as integration with current systems. Modifications to existing NTASC systems must not occur.
- The total cost of development of the application including project management and software development must not exceed a pre-allocated budget of \$50,000.
- The application must comply with existing Terms and Conditions specified by mobile application distribution services.
  - Apple Store Terms & Conditions:  
[https://store.apple.com/Catalog/uk\\_inst/Images/salespolicies\\_individual.html](https://store.apple.com/Catalog/uk_inst/Images/salespolicies_individual.html)
  - Google Play Developer Distribution Agreement:  
<https://play.google.com/about/developer-distribution-agreement.html>

## 7.0 Project Schedule

RFP	September 24, 2021
Client meeting 1	September 27, 2021
Review Requirements Document	October 18, 2021
Use Case Modeling	October 26, 2021
Client Meeting 2	October 28, 2021
Domain Models	November 2, 2021
Client Meeting 3	November 15, 2021
UI Models	November 23, 2021

## 8.0 Project Team

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## 9.0 Glossary of Terms

1. The application: An application targeting web and native platforms.