# **Food Pantry Notification System Project**

## ##### EPIC – Food Pantry Notification Project #####

**AS a manager of a Food Pantry for food-insecure students**

**I WANT a system for sending notifications to students**

**SO THAT I can tell them about specials**

**AND I can tell them when food is available**

## ##### Define Done: #####

* Acceptance criteria met
* Code is reviewed by another development team member
* Test cases are written
* Is well architected: follows a structure like:
  + n-tier
  + model, view, controller

## **SPRINT 1 Stories (Each team must complete all these stories: one story per member)**

* If your team has 3 members, skip the Template Creation story.
* If your team has 5 members, two can do Account Creation and Login using different technologies. E.g., one person does the complete story in Java or C# and one person does the complete story in HTML/CSS/JavaScript/PHP/ASP/MVC/Web Forms

## #### STORY – Notification System - Subscriber Account Creation and Login ####

**AS A food insecure person**

**I WANT TO enroll as a Food Pantry subscriber OR log into my existing account**

**SO THAT I can receive notifications from the Food Pantry**

**I WANT YOU TO PROTECT my account information**

**FROM access by anyone without a need to know**

**AND PROTECT my password**

**FROM being exposed to anyone in plaintext**

Acceptance criteria for new account creation:

* New Subscribers can enter username, email, password, and name
* the email address and username are unique
* the password must be entered twice and match
* only password hashes are stored (i.e., passwords are never stored in clear text)
* the email address must conform to the rules for a correctly written email address
* the new user account is assigned the “subscriber” role
* User should be notified when account creation fails (but do not disclose whether the account already exists or not)
* User should be able to switch over to “log into an existing account”

Acceptance criteria for logging into existing account:

* User can enter either username or email address and password
* System should validate that the account exists and that the correct password has been supplied
* User should be notified when login fails (but do not disclose whether the account exists or not)
* User should be able to switch over to “create a new account”

## #### STORY - Send Notification ####

**AS A Food Pantry Manager**

**I WANT TO notify subscribers of events**

**SO THAT they can know about specials and food availability**

**I WANT YOU TO PROTECT the identity of subscribers**

**FROM non-Food Pantry staff**

Acceptance Criteria:

* Manager can enter subject and message which is emailed to everyone on the subscriber list
* The message will be straight text in sprint 1. For sprint 2, the message could be built from a template
* Message data (subject and message sent, staff who sent, date and time sent, number of subscribers the message was sent to) is written to a notification log

## ##### STORY – Template Creation #####

**AS A Food Pantry Manager**

**I WANT TO create a template for different announcement types**

**SO THAT staff can send notifications to subscribers by filling out a simple form**

**I WANT YOU TO PROTECT the templates**

**FROM access by non-Food Pantry staff**

Acceptance Criteria:

* A Template consists of a subject and a block of text that contains zero or more tags
  + Tags indicate values that will be filled in later when using the template to create a message
* Multiple templates can be created and saved by name
* Template name is unique

## ##### STORY – Review Notification Log #####

**AS A Food Pantry Manager  
I WANT TO review notifications sent  
SO THAT I can avoid sending duplicate messages**

**AND I can make sure that messages are being sent out on a regular basis**

**I WANT YOU TO PROTECT the notification log**

**FROM access by non-Food Pantry staff**

Acceptance Criteria:

* User can enter date range
* Message data (as written by the Send Notification story) is displayed:
  + Subject and Message sent
  + Staff who sent
  + Date and time sent
  + Number of subscribers the message was sent to

## SPRINT 2 STORIES (Each member of the team must complete at least one of these stories)

This is not meant to be a complete list of all the possible stories, nor are they fully fleshed out. Part of your work at the beginning of sprint 2 will be to decide exactly what your team will work on, and what the acceptance criteria should be. Use the below stories as a source of ideas/guidance.

## ##### STORY – Subscriber Settings #####

Users should have the ability to view and alter their subscriber settings so that they can change whether they receive notifications or not.

## ##### STORY – Admin Setup - Edit Templates #####

System has multiple named templates, admin can create a new named template and select from among the existing templates to edit them. Each template can have a different set of tags.

## ##### STORY – Send Notification – Multiple Templates #####

System allows the staff member to select which template they want to fill out, and the form they fill out and the resulting message reflect their selection.

## ##### STORY – Admin Setup – Uploadable Images in Templates #####

Admin can include images and image-type tags in the template.

## ##### STORY – Send Notification – Uploadable Images in Templates #####

Form includes image fields and a mechanism for the staff member to associate images with the fields in the template. Messages will include the images as well as the text as multi-part MIME.

## ##### STORY – Admin Setup –Templates with Markup #####

Templates include RichText/HTML/Markup/Markdown.

## ##### STORY – Send Notification – Templates with Markup #####

Messages will include formatting and will be sent in text/html format.

## ##### STORY – Admin Setup – Multiple Subscriber Lists #####

Admins can create multiple subscriber lists (For example, one list for each campus, or different lists for weekday/weekend notifications).

## ##### STORY – Subscriber Settings - Multiple Subscriber Lists #####

Subscribers are presented with a way to set whether they are subscribed or not for each separate list. Could be a bunch of different interfaces that make sense here.

## ##### STORY – Send Notification – Multiple Subscriber Lists #####

Staff member needs to be able to select which list or lists to send a notification to. Actually sending the message requires retrieving the appropriate list of subscribers.

## ##### STORY – Send Notification – SMS Messaging #####

Send notification using Short Message Service (SMS) or email or both, depending on the user’s preferences.

**\* This story is highly desired by the Panther Pantry.**

## ##### STORY – Subscriber Settings – SMS Messaging #####

Subscribers can set whether they want to receive notifications by email or Short Message Service (SMS) or both. **\* This story is highly desired by the Panther Pantry.**

## ##### STORY – Web Display of Notifications #####

System keeps an archive of all notifications that are sent out, including date/time sent, and uses that to present a web-based, browsable directory of messages (I’d order them in reverse chronological order). Probably want some filtering there as well, or a way to delete older messages.

## ##### STORY – Account Creation and Login – Web Interface #####

Create a web-based version of the account creation and login application.

## ##### STORY – Subscriber Settings – Web Interface #####

Create a web-based version of the subscriber settings application.

## ##### STORY – Account Creation and Login – Confirm Registration #####

Send a confirmation email to the subscriber when a new account is created. Make them click on a link to activate their account. Don’t send notifications to non-activated accounts (probably should be a separate story for Send Notification – Active Accounts).

## ##### STORY – Account Creation and Login – Password Reset #####

Send an email to the subscriber with a password reset link/reset code. Allow them to specify and confirm a new password if they receive and click on the reset link or enter the reset code.

## ##### STORY – Subscriber Settings – Profile Editing #####

Allow subscribers to change their personal information, including username/email/password.

## ##### STORY – User Account Creation and Login – Account Deletion #####

Allow subscribers to delete their accounts.