

# Expiration Dates

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# Description

Since some products only have expiration time frames instead of set expiration dates, this application allows users to set the date they started using that product and keep track of when it expires.

After creating an account, users can clearly see expiration dates in calendar format on the front page, and set categories to categorize their products.



# Features

- User signup with personal email address
- Calendar with month, week, and day view
- Users can add, edit, and view products and categories



# Planning - User Stories

- Users can create accounts and log in with email address
- Users can access any month or day with calendar
- Users can add and edit products and categories



# Planning - Database

- User
- Product
- Category
- Event (enables calendar display)
- Every table has a User Id; Products have a Category Id; Events mapped to products



# Technology Stack

- Java
- Spring MVC
- Thymeleaf
- MySQL
- FullCalendar
- Spring Security
- Bootstrap



# Demo



# What I Learned

- Spring Security and restricting access based on path variables
- Spring custom validation for checking multiple attributes at a time
- Sending data as JSON file from Spring controller
- Little bit of JQuery and Ajax to enable FullCalendar functionality





# What's Next

- SMS notifications with Twilio/Email notifications with JavaMail API to alert users of a product that is expiring
- Front page to explain general purpose of application
- Making UI customizable with different themes/colors through Spring ThemeSource interface

