**Calorie Calculator Application User Stories**

### 1. Account Management

* As a user, I want to join the app by creating a personal profile. I'll need to put in my firstname, lastname, pick a username, and set up my email and password so I can get started.
* As a user, I want to sign in with my email or username and password to see my personal dashboard.

### 2. Managing Food Entries

* As a user, I want to keep track of what I eat by logging each meal or snack. For each entry, I want to note down the date, how much it cost, what I ate, and how many calories it contained.
* As a user, I want to see a complete history of everything I've logged so I can understand my eating patterns better.
* As a user, I want to filter my food entries by date range so I can understand specific time periods better.

### 3. Calorie Monitoring

* As a user, I want to receive a heads-up when I've consumed more than 2,500 calories in a day, so I can be more mindful of my eating.
* As a user, I want to see which days I went over my calorie target, helping me spot any patterns in my eating habits.

### 4. Budget Tracking

* As a user, I want to know when I've spent more than €1,000 in a month on food.

### 5. Weekly Overview

As a user, I want to see a weekly report showing:

* My daily calorie totals
* Number of days I exceeded the calorie limit
* My weekly food expenditure
* My average calories per week

### 6. Admin Features

* As an admin, I want to manage user food entries (add, edit, delete) to maintain accurate records.
* As an admin, I want to view a report comparing food entries between this week and last week to analyze trends.
* As an admin, I want to manage all users (add, edit, delete) to control platform traffic.
* As an admin, I want to monitor average calorie consumption per user over the last week to understand user behavior.
* As an admin, I want to see a list of users who exceeded their monthly expenditure limits to identify high spenders.

### 7. Privacy and Security

* As a user, I want my data to be securely stored, with passwords encrypted, to keep my information private.

### 8. Smart Alerts

* As a user, I want to receive notifications when I'm getting close to my daily calorie or spending limits, so I can make better choices in the moment.

### 9. Data Analytics

* As an admin, I want to view the total number of food entries logged by all users to understand the application's usage level.
* As an admin, I want to view data visualizations (charts and graphs) for calorie consumption and expenditures to easily analyze trends.