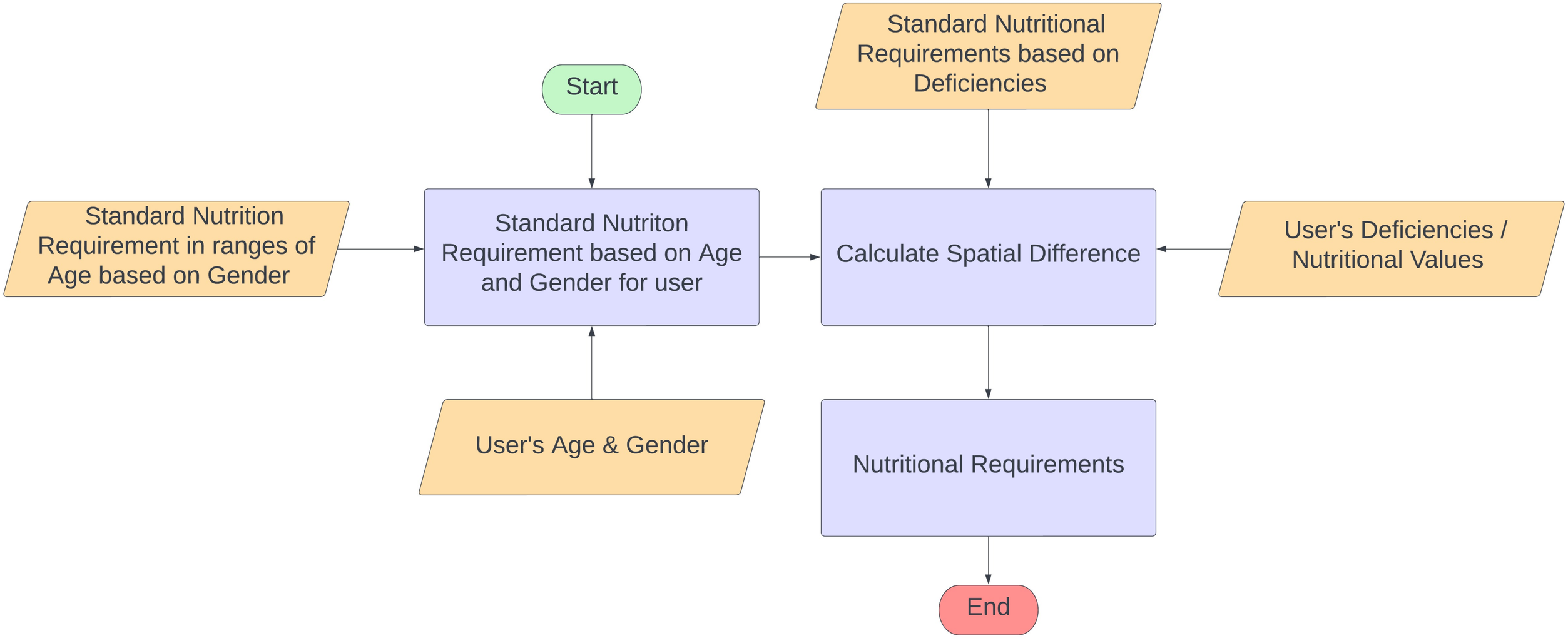

Start
Standard Nutritional Requirements based on Deficiencies
Standard Nutrition Requirement in ranges of Age based on Gender
Standard Nutriton Requirement based on Age and Gender for user
Calculate Spatial Difference
User's Deficiencies / Nutritional Values
User's Age & Gender
Nutritional Requirements
End

Start

Dataset

Map to dataset for ingredients

Use K-means to create clusters with dataset and user's requirements

Rearrange cluster centers

Find ingredients that belong to the same cluster

End

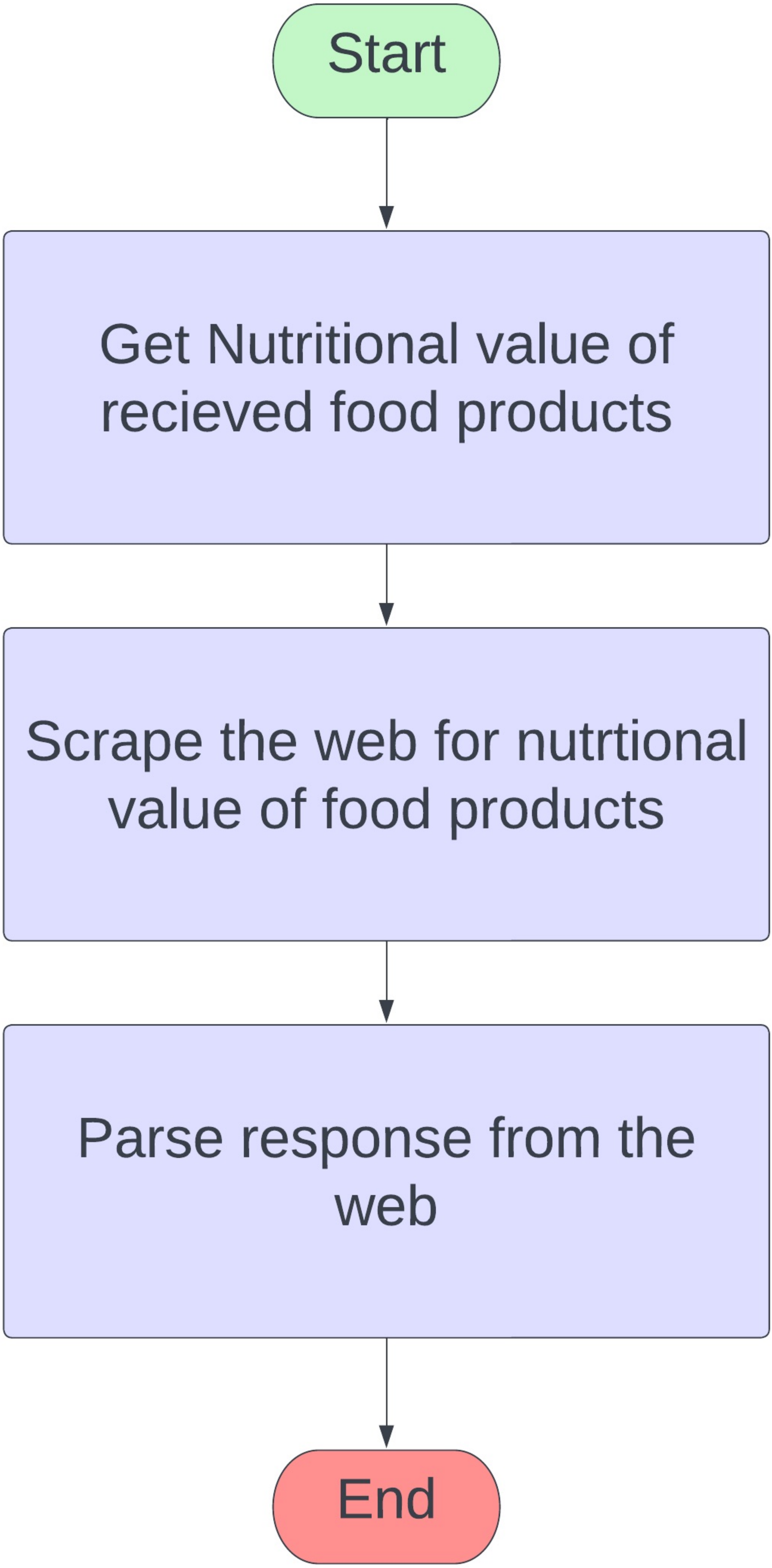
Start

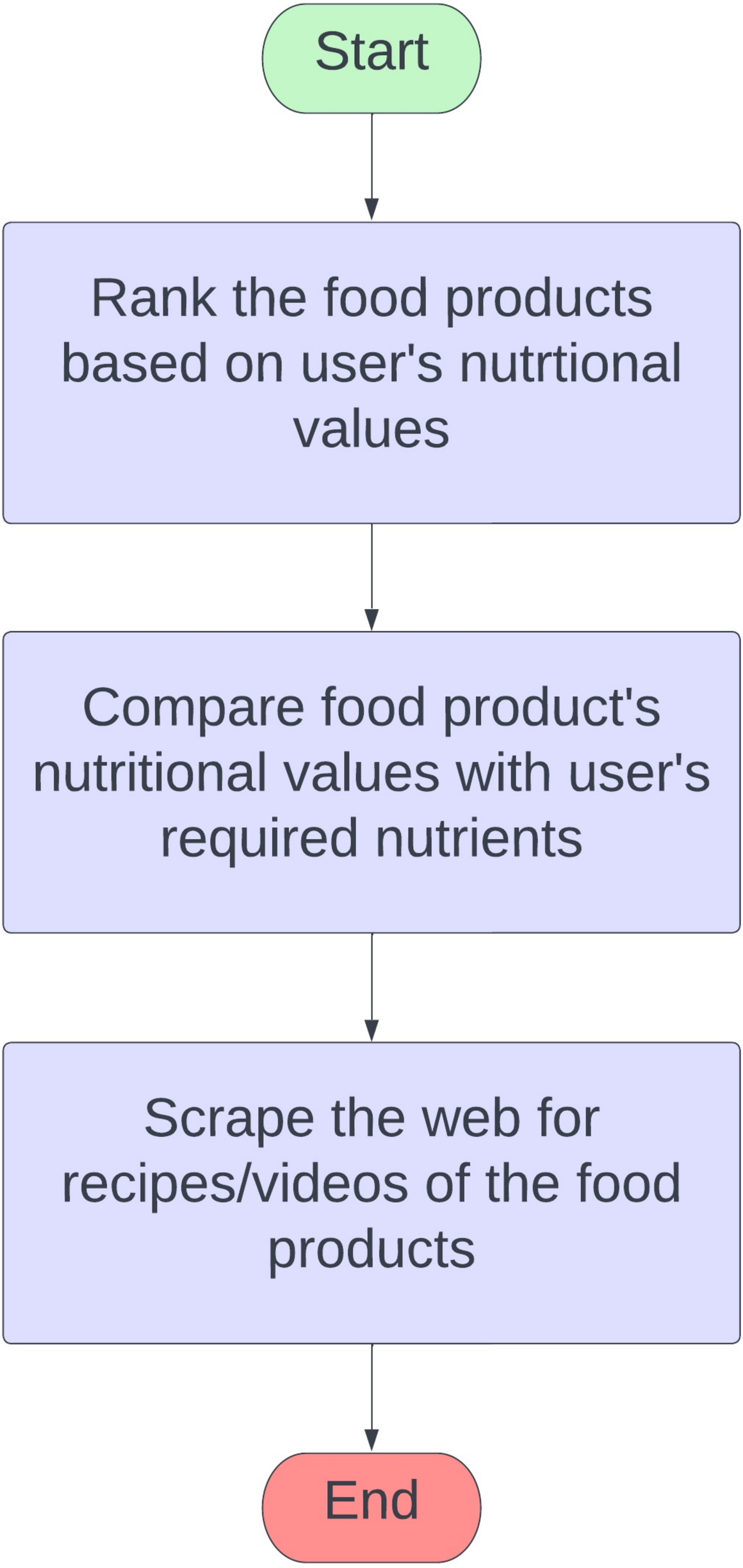
Get Food Products

Spoonacular API

Parse Response to usable format

End


Start
Get Nutritional value of recieved food products
Scrape the web for nutrtional value of food products
Parse response from the web
End


Start
Rank the food products based on user's nutrtional values
Compare food product's nutritional values with user's required nutrients
Scrape the web for recipes/videos of the food products
End