UMASS Meal Planner

USE CASES

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Description

- **Input dietary restriction**, macro/micros, calorie count, protein, and preferred dining hall into a filter.
- **Generate meals** that satisfy those condition
- Automatically **save meal**
- Save dietary restrictions
- If no match, closest meals shown

USE Case 1: Planner

Goal:	● Plan a meal
Description:	● Main task performed by app ● User inputs filters, and system returns a planned meal.
Actors:	● Umass Students (Users) ● Umass Employees (Users) ● Umass Visitors (Users)
Pre conditions:	● Umass employee/student logged on ● Input dietary restrictions

Success end condition:	• Have a meal and a location planned with preferred input restrictions.
Failure end condition:	• Failed search result • Failed meal generated • Failed logging in
Trigger:	• User inputs restrictions and filters
Exceptions:	• Filter is empty (it will show random meals generated)
Alternative scenarios:	• None

Main Success Scenarios

01

Patron select bubbles or inputs to filters (select macros)

02

The system finds a matching meal and presents it with a dining hall
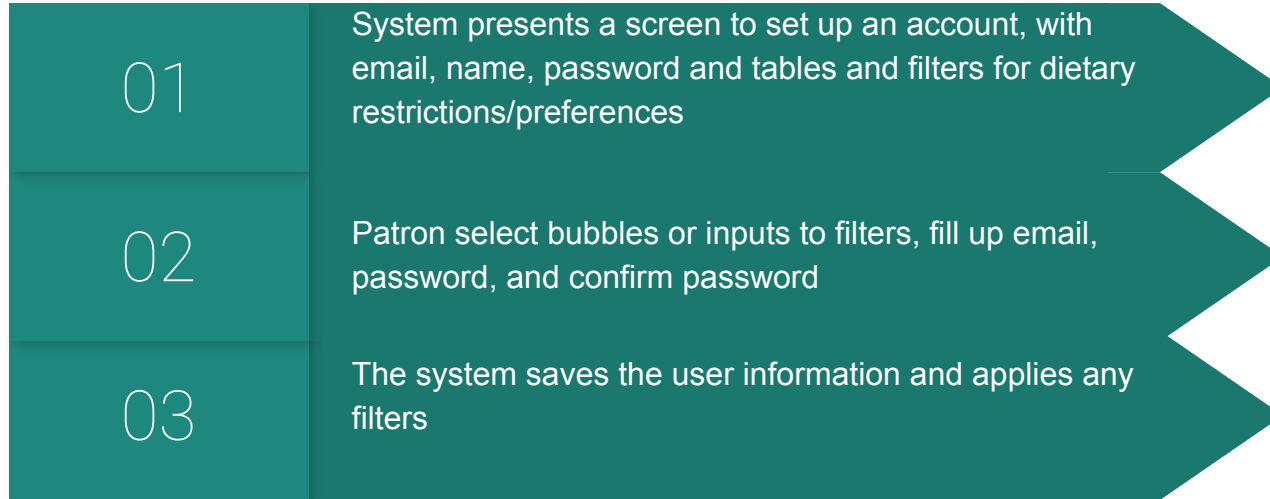
Error Scenarios

01   Patron inputs wrong password

02   There is no match for a meal, then give suggestions with the closest macros.

USE Case 2: Account

Goal:	● Create an account for app use
Description:	● Create an account for save meals
Actors:	● Umass Students (Users) ● Umass Employees (Users) ● Umass Visitors (Users)
Pre conditions:	● Open app

Success end condition:	● Successfully login or set up an account with dietary restrictions
Failure end condition:	● Failed account setup ● Failed logging in ● No dietary restrictions saved
Trigger:	● Clicks on login/signup for an account
Exceptions:	● Filter is empty (no preferences saved)
Alternative scenarios:	● Visitor login, which won't save meals, only recommends it

Main Success Scenario

01 System presents a screen to set up an account, with email, name, password and tables and filters for dietary restrictions/preferences

02 Patron select bubbles or inputs to filters, fill up email, password, and confirm password

03 The system saves the user information and applies any filters

Error Scenarios

01 Email already used when signing up.

02 Patron forgot password.

USE Case 3: Check Nutritional Values

Goal:	● Check nutritional values of a meal
Description:	● After meal selection check individual items nutritional values
Actors:	● Umass Students (Users) ● Umass Employees (Users) ● Umass Visitors (Users)
Pre conditions:	● Patron logged on ● Patron generated and saved meal.

Success end condition:	● Show nutritional values for a particular item
Failure end condition:	● Fail to show nutritional values
Trigger:	● After selecting meal, select an individual item
Exceptions:	● No nutritional information for that item.
Alternative scenarios:	● N/A

Main Success Scenario

01

Patron selects the item he wants

02

System shows nutritional information on the item

Error Scenarios

01 No nutritional information available.