

# 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

<b>Goal:</b>	<ul style="list-style-type: none"><li>• Plan a meal</li></ul>
<b>Description:</b>	<ul style="list-style-type: none"><li>• Main task performed by app</li><li>• User inputs filters, and system returns a planned meal.</li></ul>
<b>Actors:</b>	<ul style="list-style-type: none"><li>• Umass Students (Users)</li><li>• Umass Employees (Users)</li><li>• Umass Visitors (Users)</li></ul>
<b>Pre conditions:</b>	<ul style="list-style-type: none"><li>• Umass employee/student logged on</li><li>• Input dietary restrictions</li></ul>

<b>Success end condition:</b>	<ul style="list-style-type: none"><li>• Have a meal and a location planned with preferred input restrictions.</li></ul>
<b>Failure end condition:</b>	<ul style="list-style-type: none"><li>• Failed search result</li><li>• Failed meal generated</li><li>• Failed logging in</li></ul>
<b>Trigger:</b>	<ul style="list-style-type: none"><li>• User inputs restrictions and filters</li></ul>
<b>Exceptions:</b>	<ul style="list-style-type: none"><li>• Filter is empty (it will show random meals generated)</li></ul>
<b>Alternative scenarios:</b>	<ul style="list-style-type: none"><li>• None</li></ul>

# 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.

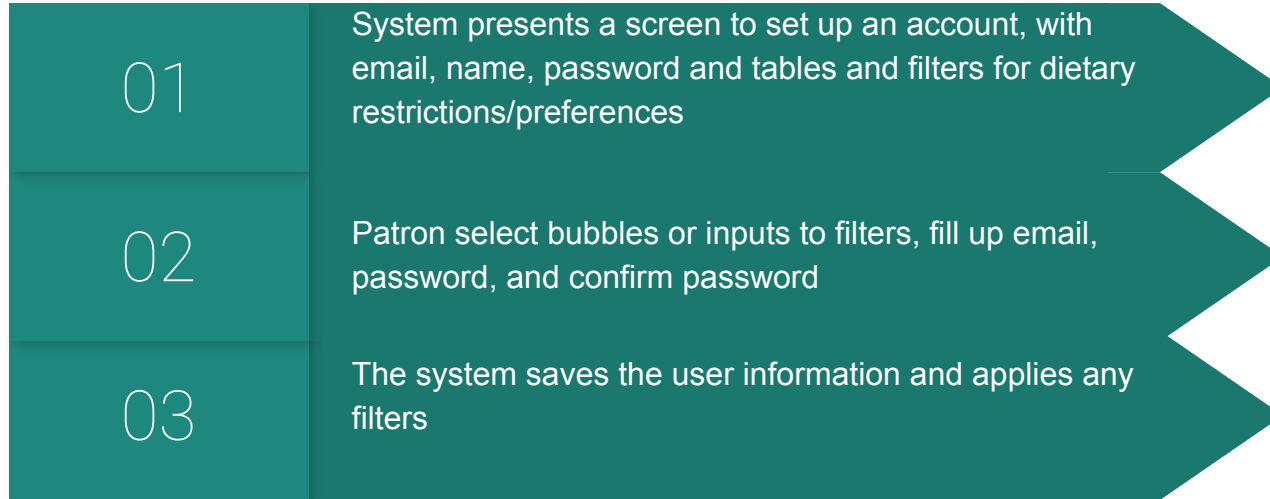
# USE CASE 2: ACCOUNT

<b>Goal:</b>	<ul style="list-style-type: none"><li>• Create an account for app use</li></ul>
<b>Description:</b>	<ul style="list-style-type: none"><li>• Create an account for save meals</li></ul>
<b>Actors:</b>	<ul style="list-style-type: none"><li>• Umass Students (Users)</li><li>• Umass Employees (Users)</li><li>• Umass Visitors (Users)</li></ul>
<b>Pre conditions:</b>	<ul style="list-style-type: none"><li>• Open app</li></ul>

<b>Success end condition:</b>	<ul style="list-style-type: none"><li>• Successfully login or set up an account with dietary restrictions</li></ul>
<b>Failure end condition:</b>	<ul style="list-style-type: none"><li>• Failed account setup</li><li>• Failed logging in</li><li>• No dietary restrictions saved</li></ul>
<b>Trigger:</b>	<ul style="list-style-type: none"><li>• Clicks on login/signup for an account</li></ul>
<b>Exceptions:</b>	<ul style="list-style-type: none"><li>• Filter is empty (no preferences saved)</li></ul>
<b>Alternative scenarios:</b>	<ul style="list-style-type: none"><li>• Visitor login, which won't save meals, only recommends it</li></ul>



# MAIN SUCCESS SCENARIO



# ERROR SCENARIOS

01

Email already used when signing up.

02

Patron forgot password.

# USE CASE 3: CHECK NUTRITIONAL VALUES

<b>Goal:</b>	<ul style="list-style-type: none"><li>• Check nutritional values of a meal</li></ul>
<b>Description:</b>	<ul style="list-style-type: none"><li>• After meal selection check individual items nutritional values</li></ul>
<b>Actors:</b>	<ul style="list-style-type: none"><li>• Umass Students (Users)</li><li>• Umass Employees (Users)</li><li>• Umass Visitors (Users)</li></ul>
<b>Pre conditions:</b>	<ul style="list-style-type: none"><li>• Patron logged on</li><li>• Patron generated and saved meal.</li></ul>

<b>Success end condition:</b>	<ul style="list-style-type: none"><li>• Show nutritional values for a particular item</li></ul>
<b>Failure end condition:</b>	<ul style="list-style-type: none"><li>• Fail to show nutritional values</li></ul>
<b>Trigger:</b>	<ul style="list-style-type: none"><li>• After selecting meal, select an individual item</li></ul>
<b>Exceptions:</b>	<ul style="list-style-type: none"><li>• No nutritional information for that item.</li></ul>
<b>Alternative scenarios:</b>	<ul style="list-style-type: none"><li>• N/A</li></ul>

# 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.