

## Dietade

Author: Ziad Hassan

Date: April 3, 2023

Version: 1

USE CASE NAME:	View and Generate Meal Plans	USE CASE TYPE Business Requirements: <input checked="" type="checkbox"/>
USE CASE ID:	2	
PRIORITY:	HIGH	
PRIMARY BUSINESS ACTOR:	Doctor	
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"><li>• Dietade System</li><li>• Patient</li></ul>	
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"><li>• Medical Assistants</li></ul>	
SHORT DESCRIPTION:	All through the Dietade system, its database generates a meal-plan based on a diagnosis given by the doctor. The doctor and patient are able to view a meal-plan based on chosen diagnosis.	
PRE-CONDITION:	<ul style="list-style-type: none"><li>• Doctor is logged into the system.</li><li>• Doctor has patient's medical record and relevant diagnosis for the meal-plan generation.</li><li>• Patient is logged into the system.</li><li>• Patient has been diagnosed with a medical condition that requires a specific meal plan.</li></ul>	
TRIGGER:	The doctor enters the patient's diagnosis into the Dietade system for it to generate a relevant meal-plan.	
TYPICAL COURSE OF EVENTS:	Actor Action	System Response
	Step 1: The doctor logs into the Dietade system and navigates to the meal-plan generation page to enter the patient's diagnosis.	Step 2: The Dietade system generates a meal-plan based on the entered diagnosis and any other relevant information, such as dietary restrictions or preferences.
	Step 3: The doctor views the generated meal plan.	
	Step 4: The doctor assigns the meal-plan to the patient's account on the Dietade system.	Step 5: The Dietade system saves the original and modified versions of the meal-plan to the patient's profile.
	Step 6: The patient selects the meal plan assigned by the doctor and views the details.	
ALTERNATE COURSES:	In Step 1: if the doctor enters incorrect or incomplete information, the system will prompt them to enter the correct information (when asked to confirm final changes by the doctor).	
	In Step 3: if the doctor does not approve of the generated meal-plan, the doctor can request the system to generate a new meal plan or modify the existing one. <i>*Detailed in another use case</i>	
	In Step 7: if the patient has any questions or concerns about the meal-plan, the patient can contact the relevant doctor.	

<b>CONCLUSION:</b>	The Dietade system generates customized meal-plans based on a patient's diagnosis, which can be easily accessed and followed by the patient and doctor through their Dietade accounts.
<b>POST-CONDITION:</b>	The patients have a detailed meal-plan that meets their dietary requirements and helps manage their medical condition and improve their health.
<b>BUSINESS RULES:</b>	The meal-plan generated by the system should be based on the patient's diagnosis, dietary preferences, and restrictions.
<b>IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:</b>	<ul style="list-style-type: none"> <li>• The system should be able to store and retrieve patient information securely.</li> <li>• The system should also be able to store and generate a variety of meal plans based on different dietary requirements.</li> </ul>
<b>ASSUMPTIONS:</b>	<ul style="list-style-type: none"> <li>• The patient has provided accurate information about their dietary preferences and restrictions to the respective doctor.</li> </ul>
<b>OPEN ISSUES:</b>	1. None