

1. TheMealDB

In this exercise you will create a WEB application that will display details on different food recipes available through a REST API. Detailed instructions on accessing the API are available at:

<https://www.themealdb.com/api.php>

a) when the application is launched on the screen will be displayed: <ul style="list-style-type: none">i) an text field with the label Ingredientii) a button with the label Search	0.5p
b) these elements will be centred on the screen both horizontally and vertically. The user should be able to input a term (ex. potato) in the Ingredient text field and press the Search button to initiate a search against the API	0.5p
c) after launching a search, for a least one second a loading animation will be displayed somewhere on the screen	0.5p
d) in order to retrieve the results of the search you should call the following endpoint: GET <a href="https://www.themealdb.com/api/json/v1/1/filter.php?i=<ingredient>">https://www.themealdb.com/api/json/v1/1/filter.php?i=<ingredient>	1.0p
e) after the animation has been displayed for one second and the results from the API have been retrieved, the search form (text field and button) will be moved to the top of the screen, still centered horizontally, using an animation	0.5p
f) the results of the search will be displayed on three columns. For each element the following information should be included: <ul style="list-style-type: none">i) strMeal (String)ii) strMealThumb (Image)iii) strCategory	1.5p
g) when CLICK-ing an element, the details of the recipe will be displayed in an overlaid component with the size 500 x 400 px. This component should be displayed over the existing content, giving the effect of a dialog window.	0.5p
h) in order to retrieve the details of a recipe the following API endpoint will be called: GET <a href="https://www.themealdb.com/api/json/v1/1/lookup.php?i=<idMeal>">https://www.themealdb.com/api/json/v1/1/lookup.php?i=<idMeal>	1.0p
i) from the information received from the API you should display: <ul style="list-style-type: none">i) strMealii) strAreaiii) strCategoryiv) strMealThumbv) strInstructions (on multiple lines, as the \r\n characters indicate)	0.5p
j) in the details section you should also include	0.5p

<ul style="list-style-type: none"> i) a Delete button which, when activated, will trigger the close of the details section and the removal of the record from the list of recipes ii) a Cancel button which, when activated, will trigger the close of the details section 	
<ul style="list-style-type: none"> k) you should use animations for: <ul style="list-style-type: none"> i) repositioning the elements on the page (search form) ii) display the search results, details component etc. 	1p
<ul style="list-style-type: none"> l) implement a great user interface <ul style="list-style-type: none"> i) highlight the hover action over buttons and any other active elements ii) emphasize the titles and labels compared to the actual content iii) organized display of same type elements: alignment, spacing, interactions iv) cohesive design (font sizes, colors, images) v) deal with error cases and display them appropriately to the user 	2.0p