



# Front-end Developer Test

## Task Background

- Vitl is creating a new store, allowing users to select their own supplements to purchase.
- Some nutrients in our supplements have a TUL (*Tolerable Upper Limit: the maximum level of daily nutrient intake that is likely safe and without adverse side-effects*).
- Items in the basket must not exceed the TULs for each nutrient.

*Example:*

The TUL for Vitamin A is 1500 mcg. If Product A and Product B each contain 800 mcg of Vitamin A, then both cannot be in the basket at the same time (combined, 1600 mcg, would be higher than the TUL).

## The task

Create a **React web-app** with the following features:


- **Fetches data** for products and nutrient TULs from this location:
  - <https://vitl-static-api.s3-eu-west-1.amazonaws.com/fe-test.json>
- **Displays** the list of products to the user (*see example layout on next page*)
- Allows the user to **add products** to their basket if the total of each nutrient in the basket does not exceed its TUL (*see example above*).
- Allows the user to **remove products** from their basket

## What we're looking for...

- Well-organised and readable code.
- A clean design - feel free to use a CSS framework (*e.g. Bootstrap*).
- Feel free to use Vitl brand styles to embellish the design if you have time.
- You should submit the codebase for a functioning application with clear instructions on how to build / view the working app. You can submit this via a repo or zip.


## Example layout

You can follow the layout below, or create your own.


**Basket**  
  
**Vitamin D**  

Remove


**Products**

  
**Vitamins A, C & E**  

Add to basket

  
**Vitamin A**  

Add to basket

  
**Vitamin C**  

Add to basket