

## Shopping list data

The POSEIDON framework includes support for aid and training in the usage of money, more specifically buying items and paying the correct amount. For the data storage part, we specify data formats for storing a set of products as well as shopping lists created from these products. These are stored as JSON files on the POSEIDON file server.

### Fields of a shopping list

Field	Datatype	Comments
listName	text	List name
list	array	List of shopping products
assetID	string	ID of SmartPlatform asset (primary user).
cost	number	The total money packed for this shopping list. The amount must be greater than the sum of products price.
List[#].price	number	Price of the product
List[#].name	string	Name of the product
List[#].resourceID	string	resourceID of the image, such that you can retrieve the image with the resourceID and assetID from the file server.
List[#].height	number	Original image file height
List[#].width	number	Original image file width

### JSON example

JSON example for the shopping list data (list.txt):

```
{
  assetID:"85190",
  ListName:"shopping list one",
  cost:"25",
  list:[
    {
      name:"apple",
      price:"12.2",
      resourceID:"2f41dc1c-face-4822-b863-ca66a3d3adff",
      width:"222",
      height:"222"
    },
    {
      name:"orange",
      price:"10.2",
      resourceID:"2341dc1c-faee-4822-b863-ca66a3dwefff",
      width:"222",
      height:"222"
    }
  ]
}
```

### Product information

The product list data has the following fields:

Field	Format	Comments
assetID	text	ID of SmartPlatform asset (primary user).
products	array	List of products
products[#].price	number	Price of the product
products[#].name	string	Product name
products[#].resourceID	string	resourceID of the image, such that you can retrieve the image with the resourceID and assetID from the file server.
products[#].height	number	Original image file height
products[#].width	number	Original image file width

## Usage

In the prototype POSEIDON system, each primary user can have one set of products and one shopping list. The products are stored as a file "products.txt", in file category "products". The shopping list is stored as a file "list.txt", in file category "list". The system can be extended to allow multiple lists in the same category. The product list is only used by applications which create the shopping list (this is done in the web application for carers in the prototype system). The shopping list is also used by applications which provide training or aid, and contains all the information necessary to provide this functionality.

Shopping lists (files in category "list") are retrieved with the following URL in the prototype system:

<https://ri.smarttracker.no/files/resource.php?type=list>

```

BODY
1  [
2    {
3      resourceID: "027a0dfe-ce75-48a6-a0a1-9a40f96fb496",
4      name: "list.txt",
5      mime: "txt",
6      md5: "96bb154c772b8b8a7b313c0b4ada0321"
7    }
8  ]
hide

```

Updating the list should be done by posting a new list to the same resourceID, to avoid getting multiple list files on the server.