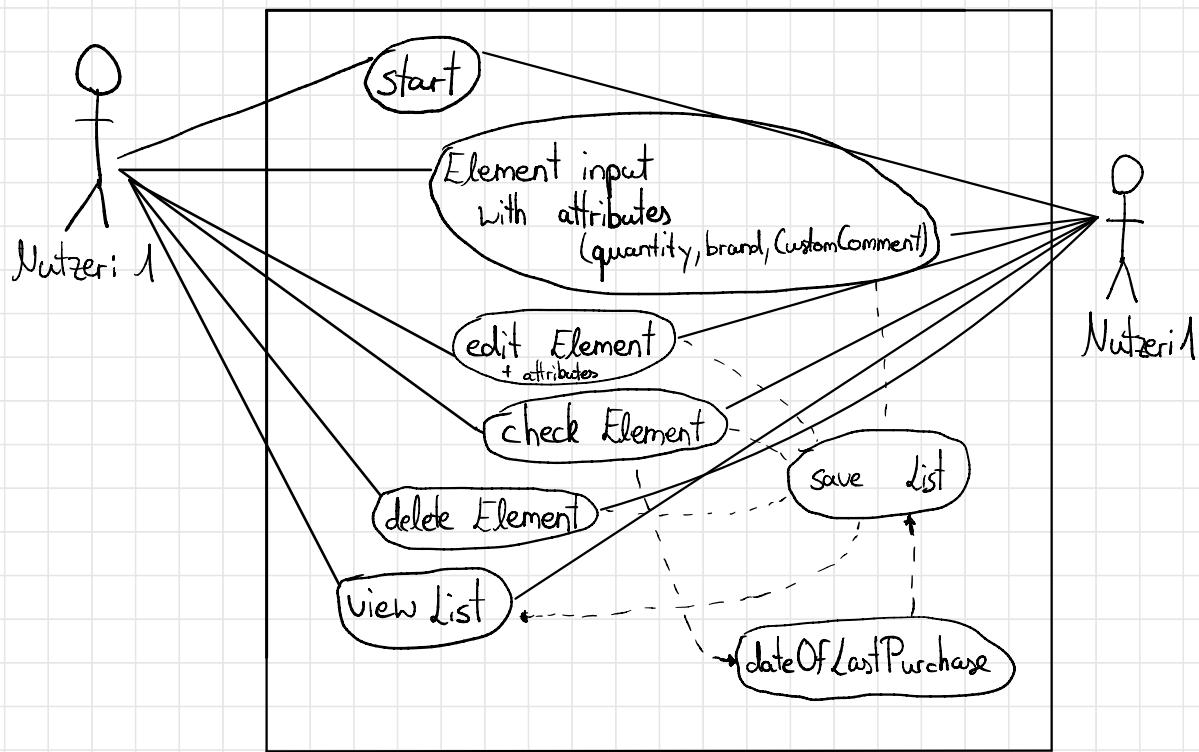


Use-Case-Diagramm: shopping list



UI-Scribble : shopping list

```
<input>  
type="text"  
id="product"  
required
```

```
<div>  
id="input" > change
```

```
<h1>
```

```
<div>  
id="display"
```

```
<input>  
type="number"  
name="Quantity"
```

Shopping List

Product

Enter Product here

Quantity

How much?

Buy next time?

Yes

CustomComment

Add more Details, like Unit

Commit List-Element

- List
- Milk, 1, Pack, 17.10.22
 - Eggs, 6, Pieces, 06.10.22

```
<input>  
type="checkbox"  
value="true"
```

```
<fieldset>
```

```
<textarea>  
id="comment"
```

```
<input>  
type="hidden"  
id="check"  
value=""
```

```
<input>  
type="submit"  
id="commit"  
value=""  
> click
```

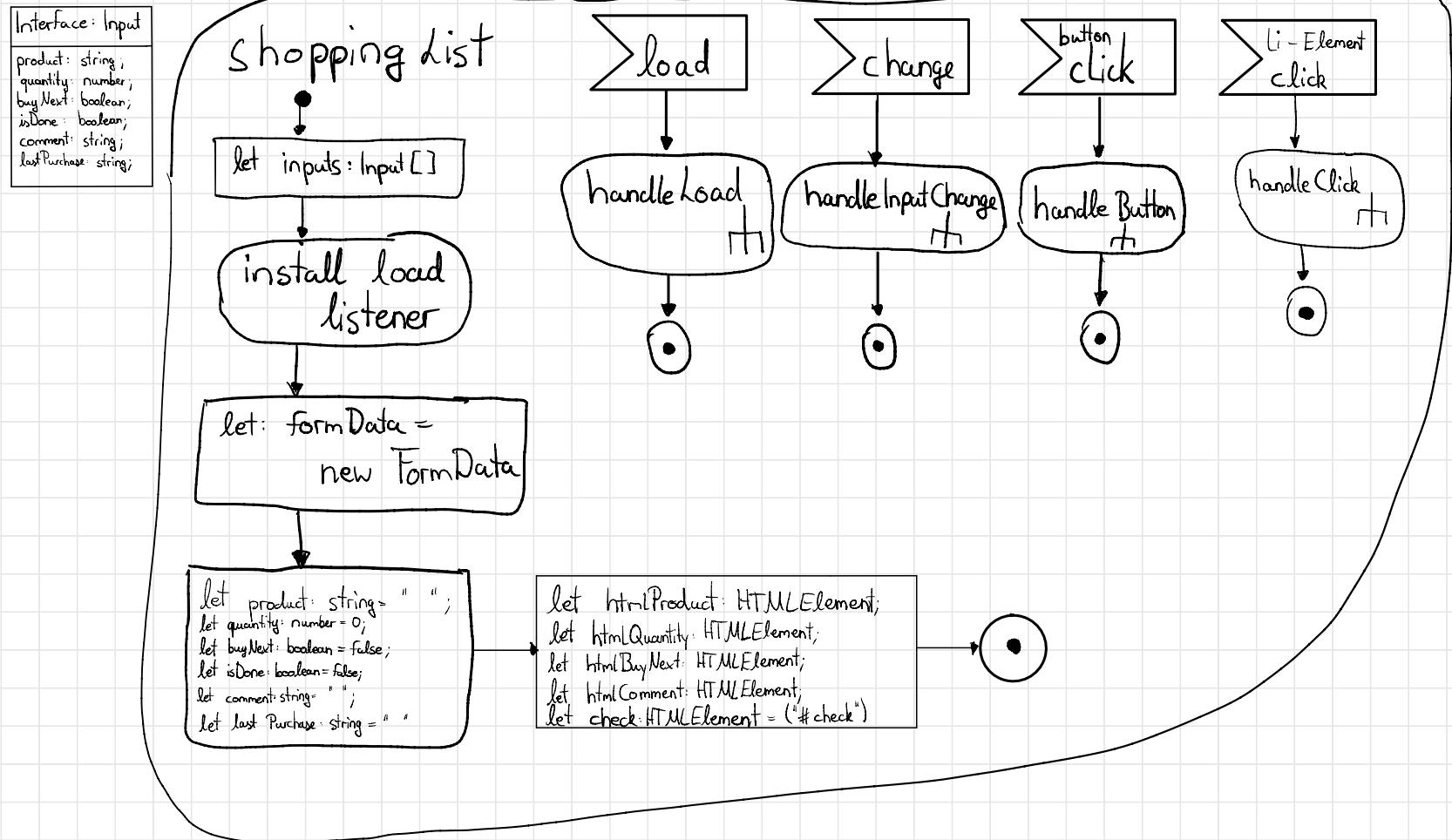
```
<ul>
```

```
<img>  
> click
```

```
<li> > click  
id="listElement" + index  
class="true" → if buyNextTime = Yes  
class="false" → if buyNextTime = No
```

```
<img> > click
```

Activity Diagramm



handleLoad

install change
listener on div
with id="input"

install click listener
on button with id="commit"

writeList

writeList

let list: HTMLElement
= "#uList"

list.innerHTML = "

let index: number = 0;

[index < inputs.length]

let checked: string = inputs[index].isDone
? "done" : "open";
let buyNext: string = inputs[index].buyNext
? "buy" : "dontbuy";

list.innerHTML += <li id="listElement" + index + "
class=" + checked + " " + buyNext + ">
+ inputs[index].product + " " + inputs[index].quantity
+ " " + inputs[index].comment + " " + inputs[index].lastPurchase
+ "/> for remove Element with unique id
+ for edit Element with unique id

cutID

_id: string
_length: number

let newID: string = _id.slice(_length);

return parseInt(newID);

install click-listener on
all Elements with id="listElement"+index

[index < inputs.length]

-

clickList

-

-

-

-

-

-

-

-

-

-

-

-

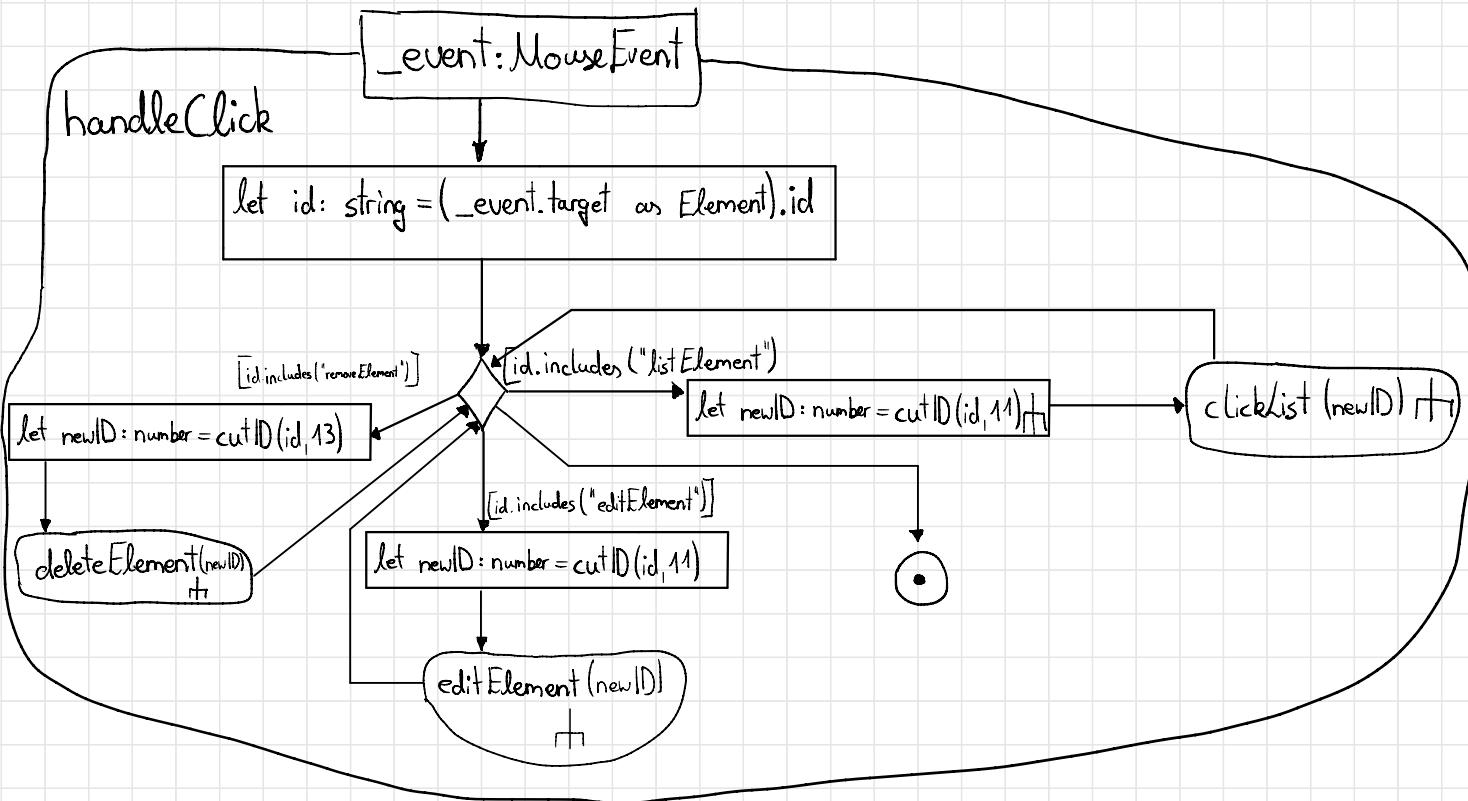
-

-

-

writeList()

inputs[bought].isDone = !inputs[-bought].isDone;
inputs[-bought].lastPurchase = "current Date";



delete Element

-element: number

delete inputs[-element]

writeList

handleInputChange

-event: Event

let formData: FormData
= new FormData(document.forms[0])

let buy: string | undefined =
formData.get("buyNext")?.toString();

product =]
quantity = } form Data
comment =]

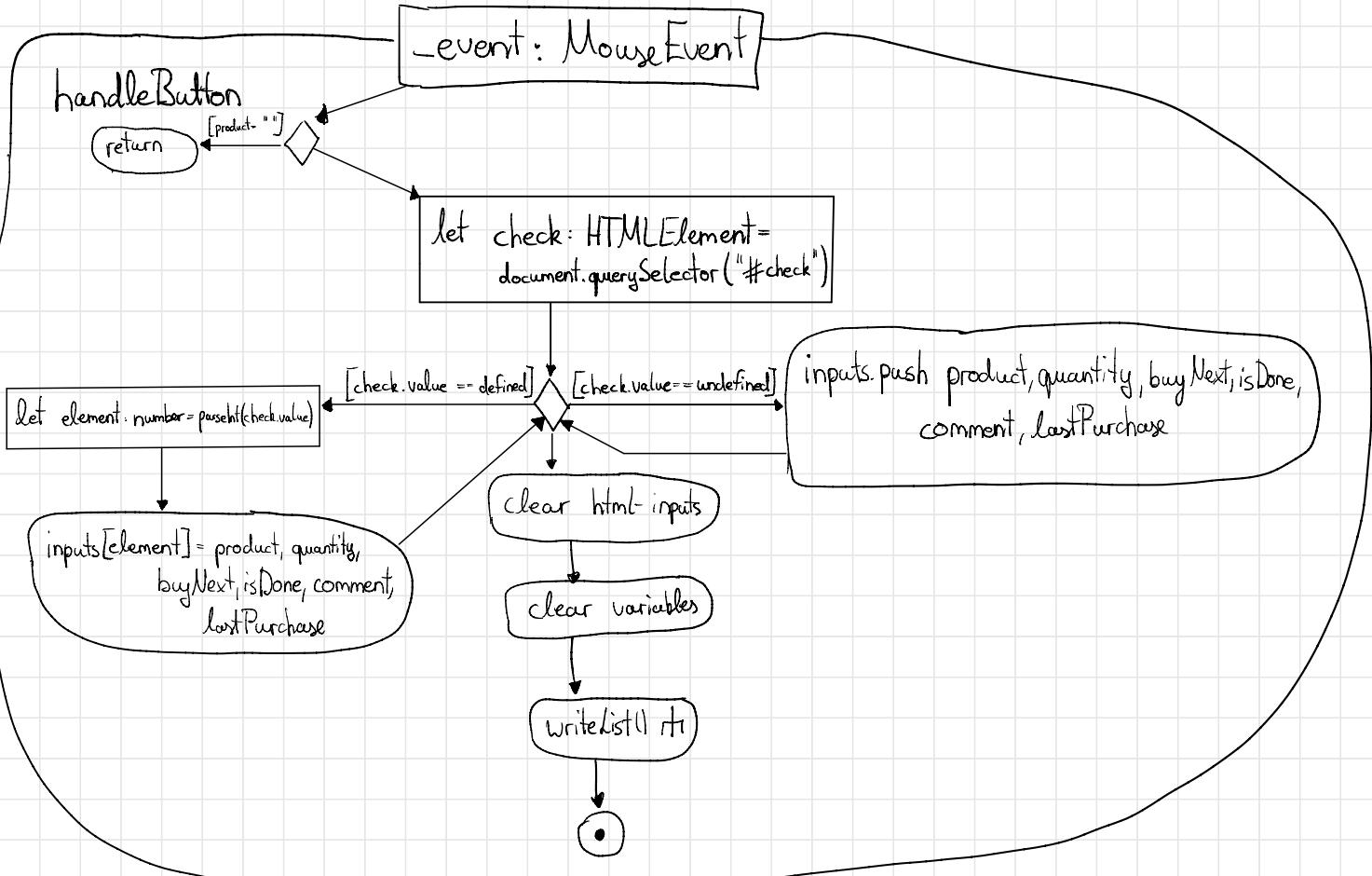
buyNext=true

[buy == "true"]

buyNext=false

[buy != "true"]





edit Element

-element: number

html[Product → ("# product")]
htmlQuantity → ("# quantity")
htmlBuyNext → ("# buyNext")
htmlComment → ("# comment")

htmlProduct.value = inputs[-element].product
htmlQuantity.value = inputs[-elements].quantity
htmlBuyNext.value = inputs[-elements].buyNext
htmlComment.value = inputs[-elements].comment
check.value = -elements

lastPurchase = inputs[-element].lastPurchase