


Name project

: Fuhrenkontrolle

Client

: Rübenumschlag
Mittelland

Contact client

: Simon Häfeli

"Führerkontrolle" today filled on a paper

Requirements

- Solution should be on a tablet
- Web-App (Not Native App)
- Login not for users, login for Rüben-Ratte (4) and one Admin (1)
- No Registration, no email verifying, no resetting password etc.
- Around 15 stations, ca. 350 Planters and 500 Mieten (some planters have more than just 1 Miete), 120 drivers (organizations) get their money for the whole saison of 4 month
- Station „Lenzburg“ is the biggest one with around 120 „Mieten“. That means about 70 Planters
- FarmPilot: Planning of the month and the next day (information like ID of beetroot hill, distance to the station, size of hill etc.)
- Admin Tool for import data from excel sheet of all planters of the day x as a list from the tool FarmPilot
- ID of „Miete“ in combination with kilometers from it to the station
- The Administrator plans all days one day before on FarmPilot
- SZ makes all new contracts with the planters for each new year on the Logistic Portal e.g. with the station etc.
- Administrator adapt all changes from the Logistic Portal to the FarmPilot
- All planters put in their new datas like place of field, size, geotags of the Miete etc.
- ...
-

Requirements

- It is possible that there is no interaction on the tablet for 2-5 hours because something needs to be repaired at the moment (no logout). A logout will appear after 5 hours. The datas are saved but the day is not closed.
- The next day can only be entered after „Save + close“
- Datas (List of drivers and planters) are fetched again after a logout?????
- If a beet window has been removed, there will be no new window at this exact location within a few days. It is even the case that the same field may not be used for sugar beet again for the next 4 years (it is even forbidden). Therefore, the fields are re-entered every year.
- Sometimes there are farmers who have multiple beet stacks, with one beet stack being transported to Station A and the other beet stacks being transported to Station B.
-

Questions

- Was passiert wenn es keine Internet Verbindung gibt?
- Was passiert, wenn ein Fahrer nur halb beladen wird mit dem aktuellen Pflanzer und dann noch mit dem neuen?
- Wir benötigen aktuelle Rechnung, die an Pflanzer ausgehändigt werden soll

Abrechnung Transport

Tran	Pfl.	ID	Tarif pro t	kg/ m³	Anzahl Fahrt	m³ Total	Preis
Weber B	Pfl. 1	190 a	3.57	644.7	3	38	140
	Pfl. 3	280 a	4.81	656.8	2	57	190
	Pfl. 9	120 a	2.90	656.8	4	...	120
Salter M.							

Zwischenabstand
Pfere zu-
abholung 6%

450,00
28,-
478,-

nur
Check
nicht f. Kalkulation

geräumt
m³ für
diesen Pfl. 1

MOCKUP

final solution

Führerkontrolle

Benutzername

Passwort

User:

Ratte „Vroni“

Ratte „Vreni“

Ratte „Susi“

Admin „Simon“

Password:

Ratte_007

Admin_007

Tastatur

Führerkontrolle

Datum

Station

Tastatur

Date Input 19 examples
A means of inputting a date – often separated into multiple individual fields for day/month/year.

Datepicker 42 examples
Other names: Calendar, Date-time picker
A visual way to choose a date using a calendar view.

Edit

07.03.2023



Drop Down

Sigenthal Ob. 2

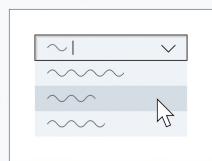


Combobox 30 examples
Other names: Autocomplete, Autosuggest
An input that behaves similarly to a select, with the addition of a free text input to filter options.

Date Input 19 examples
Other names: Calendar, Date-time picker
A means of inputting a date – often separated into multiple individual fields for day/month/year.

Dropdown menu 49 examples
Other names: Selection, Selection menu
A menu that displays one option by default but can be shown by interacting with another element. It distinguishes itself from a dropdown list in that it does actions or originates from a specific element and is not a static report.

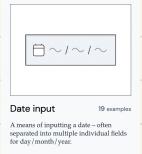
<https://component.gallery/components>



Combobox 30 examples

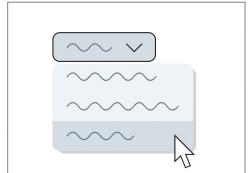
Other names: Autocomplete, Autosuggest

An input that behaves similarly to a select, with the addition of a free text input to filter options.



Date input 19 examples

A means of inputting a date – often separated into multiple individual fields for day/month/year.



Dropdown menu 45 examples

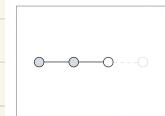
Other names: Select menu

A menu in which options are hidden by default but can be shown by interacting with a button; it differs from a select in that it shows actions or navigation options and is not a form input.



Datepicker 42 examples

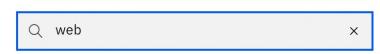
Other names: Calendar, Datepicker
A visual way to choose a date using a calendar view.



Progress indicator 38 examples

Other names: Progress tracker, Stepper, Steps, Meter

A representation of a user's progress through a series of discrete steps.



Header 33 examples

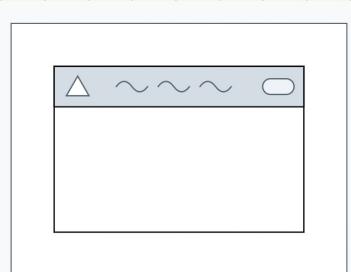
An element that appears across the top of all pages on a website or application; it usually contains the site name and main navigation.



Horizontal rule 20 examples

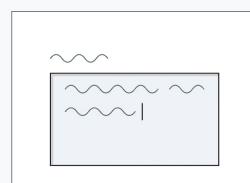
Other names: Divide, Separator

A separator between two elements, usually consisting of a horizontal line.



Header 33 examples

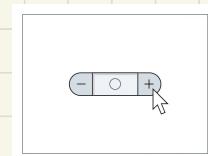
An element that appears across the top of all pages on a website or application; it usually contains the site name and main navigation.



Textarea 54 examples

Other names: Textbox, Text box

A form control for editing multi-line text.



Stepper 13 examples

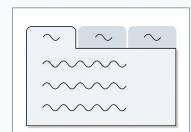
Other names: Nudger, Quantity

A control for editing a numeric value with buttons for decrementing / incrementing.



Text input 81 examples

A form control that accepts a single line of text.



Tabs 73 examples

Other names: Tabbed interface

Tabbed interfaces are a way of navigating between multiple panels, reducing clutter and fitting more into a smaller space.



Wähle Pflanzer

|

Gewählter Pflanzer

**Weber Josef | Wohlen |
290a**

Push

Wähle Transporteur

|

Gewählter Tra

**Gebrüder Bu
Hacken**Delete list "recently" after
"save and close".

- Zuletzt verwendete Schriftarten
- ✓ Arial
 - Goudy Old Style
 - Times New Roman
 - Helvetica
 - PensumPro
 - Overpass
 - Bachmeier LET
 - American Typewriter
-
- All Schriftarten
 - Abadi MT
 - Academy Engraved LET
 - Adobe Caslon Pro
 - Adobe Garamond Pro
 - Al Bayan
 - Al Tarikh
 - American Typewriter
 - Andale Mono
 - Angsana New
 - Apple Braille
 - Apple Chancery
 - Apple Color Emoji
 - Apple Symbols
 - ✓ Arial
 - Arial Hebrew
 - Arial Hebrew Scholar
 - Arial Rounded MT
-
- V
-
- V
-
- V
-
- V
-
- V
-
- V
-

Weber Josef | Wohlen |
290a

07:58

**Gebrüder Bu
Hacken**Weber Josef | Wohlen |
290a

07:42

Müller Anton

Speichern & beenden



Wähle Pflanzer

Gewählter Pflanzer

**Weber Josef | Wohlen |
290a**

Wähle Transporteur

Gewählter Transporteur

**Gebrüder Bucher |
Hacken****19m3** **- vor Driver Volume ==
New Volume****Weber Josef | Wohlen |
290a**

07:58

**Gebrüder Bucher |
Hacken****19m3** **Weber Josef | Wohlen |
290a**

07:42

Müller Anton**35m3** **Speichern & beenden**



Weber Josef | Wohlen |
290a

07:58 Gebrüder Bucher |
Hacken

19m3 ✓

Weber Josef | Wohlen |
290a

07:42 Müller Anton

35m3 ✓

Weber Josef | Wohlen |
290a

07:58 Beat Hunziker I
Lader

25m3 ✓

Weber Josef | Wohlen |
290a

07:42 Gebrüder Bucher |
Hacken

19m3 ✓

Sandmeier Paul | Dietikon I
340a

07:58 Müller Anton

35m3 ✓

Sandmeier Paul | Dietikon I
340a

07:42 Beat Hunziker I
Lader

25m3 ✓

Speichern & beenden



Wähle Pflanzer

Gewählter Pflanzer

**Weber Josef | Wohlen |
290a**Weber Josef | Wohlen |
290a

07:58

Gebrüder Bucher |
Hacken19m3 Weber Josef | Wohlen |
290a

07:42

Gebrüder Bucher |
Hacken19m3 **Speichern & beenden**

- List of the day
 - Save and close
-
- Logout

Datum	Bahnhof	Ratte	
8.12.23	Siegenthal	Bahnratte 3	>
	Lenzburg	Bahnratte 4	>
9.12.23	Siegenthal	Bahnratte 3	>
	Brugg	Bahnratte 4	> each list of

They have just
2 "Ratten": Nr. 3 + Nr. 4

Driver ▼**Distance****Status** ▼**Date of sending** ▼

Gebrüder Grimm

complete

finish



23.09.2023

Josef Meier

incomplete

open

dd/mm/yyyy

Martin Meier

complete

open

dd/mm/yyyy

Hopel AG

complete

finish



23.09.2023

Häfeli Simon

incomplete

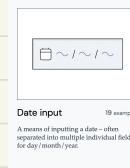
open

...

ca. 120 drivers

Invoices can be downloaded as a PDF for each driver individually

If the total weight of all stations in which a driver is registered is available, the 'Abrechnung' can be made by the system

x


Date input
19 examples
A means of inputting a date - often separated into multiple individual fields for day/month/year.

Value can be +/-

Dieselzuschlag

2023 ✓

06% ✓

Vergütung Kilometer

1 km: 2.36 CHF/t

2 km: 2.68 CHF/t

...

n km: ff.rr CHF/t

ca. 50 km

e.g. Distance from "Miele" to station equal 2km →
CHF 2.68/t

Gesamtgewicht pro Bahnhof

Bahnhof	Gesamtgewicht	kg/m3
---------	---------------	-------

Brugg:	15'589	t	677kg/m3
--------	--------	---	----------

Lenzburg:	25'455	t
-----------	--------	---

Sigenthal:	17'434	t
------------	--------	---

Spreitenbach:	18'456	t
---------------	--------	---

...	...	t
-----	-----	---

...	...	t
-----	-----	---

...	...	t
-----	-----	---

n:	...	t
----	-----	---

calculated through
the daily lists

After the admin part is
in the "Gesamtgewicht" to a
station, the "Abrechnung" can
be prepared by the system

Distances

Distance from hill to station

Name | hill id |
distance

Gebrüder Grimm

260a

15 km

140a

6 km

Josef Meier

120a

15 km

260a

- km

e.g. 6 - 6.4 km → 6km
6.5 - 6.9 km → 7km

distance cannot be calculated and
must be entered manually. It is always
possible that there is a road works site
and something has to be bypassed at
extra expense

Datas

Datenquellen:

Fuhrenkontrolle- App/web		Easycollect	
Fahrzeug-Besitzer	Excel Simon/TO	Bahnhöfe	Navision/ Logico
Fahrzeug Kubikmeter	Excel Simon/TO		
Haufen ID	FarmPilot/ Simon	Bahnwagen	Navision
Kilometer Haufen – Bahnhof	FarmPilot	Pflanzer (Nr./Name/Ort)	Navision / Portal «Verladeverzeichnis»
Hektar des Haufens/ der Fläche	FarmPilot		
Pflanzer-Bahnhof Zuordnung	Grunddaten aus Navision, Simon ändert (Excel)	Shipments	? aktuell Excel von Florian Zukunft RUKAPLAN?

- Admin has to create a list with all drivers as an excel sheet. 2-3 updates while a saison with new entries. **WHERE ARE THESE DATAS?**
- From May the list with of planters with their „mieten“ is available. **WHERE IS THIS LIST?**
- The operators (Rüben-Ratte) knows the daily list of „Mieten“ from FarmPilot. If they make a good daily progress, new „Mieten“ will be added by the Administrator in the FarmPilot. **NO DATAS WILL BE TRANSFERRED DIRECTLY to the Web-App.** The operators has to change between the two systems FarmPilot and WebApp
- Each train with its wagons is weighed on arrival at the company SZ. The admin (Simon) calculate with the weight kg/m3. **HOW THE ADMIN GET AND INSERT THE DATAS IN THE RELEVANT SYSTEM?**
- portal.zucker.ch Logistikportal von SZ
- Relations between datas? Could we evaluate e.g. what farmers are at a specific date activated at a specific station? Could we evaluate e.g. what drivers are at a specific date activated at a specific station

What we need

- List of all planters with „Mieten“ for our system
- List of all drives and their stations (1-n) for our system
- List of all stations
- List of „Gesamtgewicht“ of some stations (examples of the last year)
- A Screenshot (List) of the daily / weekly plan of FarmPilot
- ...

TEMPLATES

Fuhrenkontrolle

07:58

Lenzburg





Wähle Pflanzer

		<input checked="" type="checkbox"/>
--	--	-------------------------------------

Wähle Transporteur

		<input checked="" type="checkbox"/>
--	--	-------------------------------------

Gewählter Pflanzer

**Weber Josef | Wohlen |
290a**



Gewählter Transporteur

**Gebrüder Bucher |
Hacken**

19m3	<input checked="" type="checkbox"/>
------	-------------------------------------

Weber Josef | Wohlen |
290a

07:58

Gebrüder Bucher |
Hacken

19m3	<input checked="" type="checkbox"/>
------	-------------------------------------

Weber Josef | Wohlen |
290a

07:42

Gebrüder Bucher |
Hacken

19m3	<input checked="" type="checkbox"/>
------	-------------------------------------

Speichern & beenden

MOCKUP IDEAS

Current solution

Führerkontrolle

07:58

Sigenthal

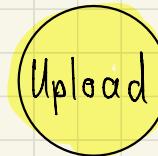
Pflanzer

(Plauter)

Weber Jaref, Wohlen, 290a



Pflanzer aktuell



Transporteur (Drivers)

Gebrüder Bücher, "Hacken", 25 m³



Transporteur aktuell

Zuletzt verwendete über einen Tag. „Recently“-Liste wir bei Login gelöscht.

Daten verwandelter Schriftarten	
✓ Arial	>
Goudy Old Style	>
Times New Roman	>
Helvetica	>
PensumPro	>
Overpass	>
Bladmane L&T	>
American Typewriter	>
All Schriften	>
Abadi MT	>
Academy Expanded LET	>
Adobe Calisto Pro	>
Adobe Garamond Pro	>
Al Bayan	>
Al Tariq	>
American Typewriter	>
Andale Mono	>
Angama New	>
Apple Braille	>
Apple Clarendon	>
Apple Color Emoji	>
Apple Symbols	>
✓ Arial	>
Arial Hebrew	>
Arial Hebrew Scholar	>
Arial Blackout MT	>

Erledigt (Done)^a

Weber Jaref : Wohlen : 290a 07.52

Müller Anton

35 m³

Führerkontrolle

wieher kommt diese Info?
was ist Info auf FarmPilot?

07:58

Pflanzer

(Plauter)

Weber Josef, Wohlen, 290a

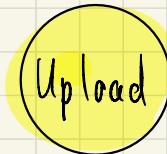


Pflanzer aktuell

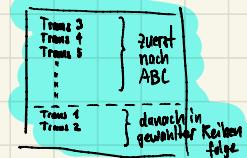
Weber Josef : Wohlen : 290a

↳ Suche notwendig?

Ja, weil bis zu 110 Datensätze



Transporteur (Drivers)

Gebrüder Bucher, "Hacken", 25 m³

Transporteur aktuell

Gebrüder Bucher "Hacken"

19 m³

↳ wie wird das geändert?
Eingabe mit einzelnen
Zahlen oder

16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

notwendig

Erledigt (Done)

Weber Josef : Wohlen : 290a

07.58

Gebrüder Bucher "Hacken"

19 m³

Weber Josef : Wohlen : 290a

07.52

Müller Anton

35 m³

Sigenthal

der letzte verwendete?

MOCKUP IDEAS

other options

Hello
Simon H.
Verlader

Date 07.11.2023 ✓
Station ▾

Transport.

Transp. 1 [25]	Transp. 3
Transp. 2 [15]	Transp. 4
Transp. 7 [12]	Transp. 5
Transp. 9 [35]	Transp. 6
Transp. 4	Transp. 8

Transporte
Kannen Karbidit ändern

aktuell m³, in Zukunft ggf. t

Pflanzer
[name] [ta]

Pfl. 1	400
Pfl. 2	480
Pfl. 5	200
Pfl. 7	

lange anwählen
o. Doppelklick um
Fläche einzugeben

► Pfl. 3
Pfl. 4
Pfl. 6

dem Pflanzer muss noch Fläche
hinzugefügt werden können

Verlader kommt am Morgen
und erstellt seine Liste der
Transporte für den
entsprechenden Tag aus Liste
möglicher Transporteure.
Gleichzeitig führt er
die Nummern
hinzzu.

Achtung: es ist
eben möglich, dass
Transporteure
am Tag X einen
anderen Anhänger
mitnehmen



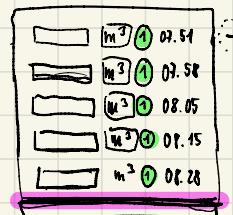
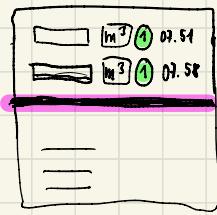
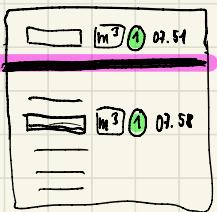
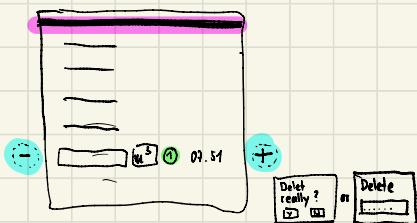
Time Stamp

Muss drauf sein, so
dass Verlader sieht, ob er Fahrt von einem
entsprech. Transporteur schon
aufgenommen hat: III (früher)

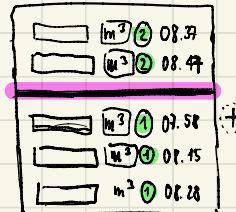
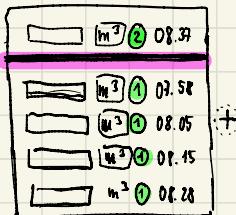
07:58

1

Weber Jarret, Wohlen, 290a



aktuelle Reihenfolge
der Fahrer



٦

3. UPLOAD

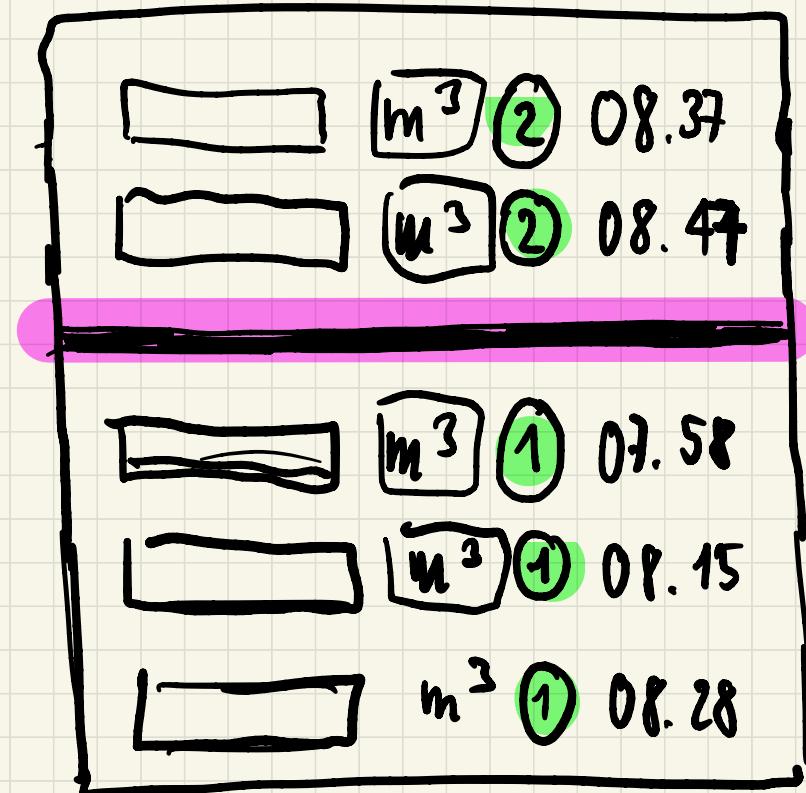
Führercontrole

07:58

Sigenthal

Weber Jaref, Wahlen, 290a ▼

Besser
Tablet
vertikal?
Was passiert
wenn es
20-30
Fahrer

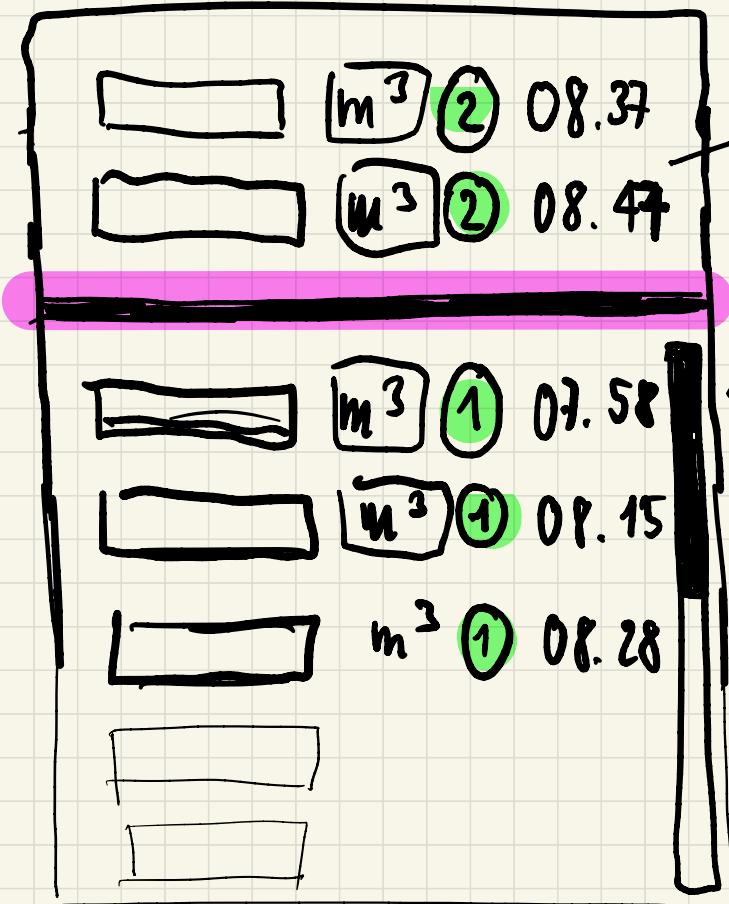


Führerkontrolle

07:58

Sigenthal

Weber Järf, Wahlen, 290a



die
letzten
2 werden
angezeigt

IDEAS of CLIENT

SIMON / FLORIAN

Eingabemode



Diese Mode muss am Anfang des Verkaufs leer sein!
Sie wird am Verkauf mit den am Buchen handelnden
Verkäufern beschränkt.

Nenne des Transporteurs

Pflanzer Fläche

Hofeli Simon 4 coha

Diese Zahlen werden entweder von Hand eingegeben oder vorgelesen über ein excel eingesennt.

(Von mir am Eingangtag vorgelesen)
Hier steht immer nur der Pflanzer + Fläche
welche mit den Transportleuten gebucht werden soll.

Totl ca 157 ha

Mit "Buchen" wird auf der 2. Seite fortlaufend der Transporteur + Pflanzer + Fläche + Zeitstempel notiert

Volumen	Transporteur	Schnellhebe zum Löschern
15	Zobrist Peter	Buchen
40	Suter Gabor	Buchen
36	Simmer Alex	Buchen
12	Sax Kurt	Buchen
22	Schröer Beat	Buchen
18	Koch Markus	Buchen
		Buchen
		Buchen

Seite ②

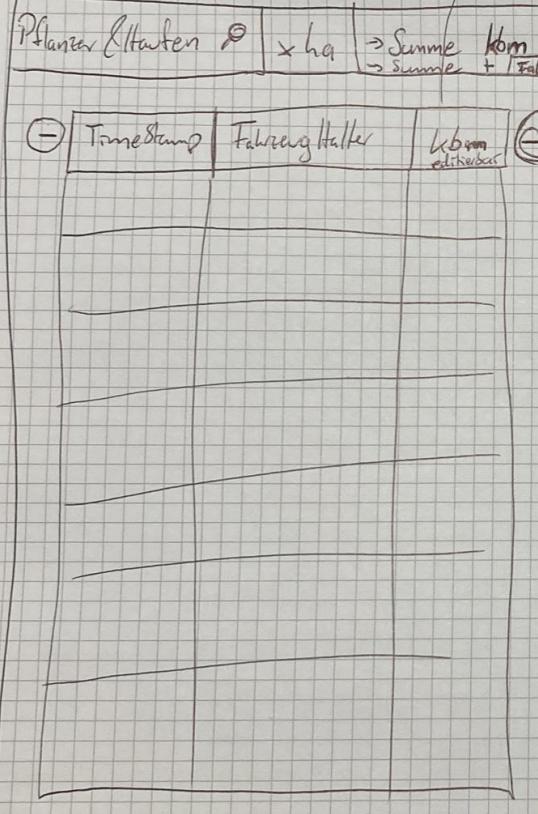
Pflanzer	Fläche	Transporteur	Volumen	Zeitstempel
Hofeli Simon	4 coha	Zobrist Peter	15	12.12. 06:10
Hofeli Simon	4 coha	Suter Gabor.	40	12.12. 06:18
Hofeli Simon	4 coha	Simmer Alex	36	12.12. 06:23
Hofeli Simon	4 coha	Sax Kurt	12	12.12. 06:30 -
Hofeli Simon	4 coha	Schröer Beat	22	12.12. 06:38
Hofeli Simon	4 coha	Koch Markus	18	12.12. 06:45
Vögeli Thomas	375ha	Zobrist Peter	15	12.12. 07:10

Sobald in der Eingabemode bei Pflanzer + Fläche der Name geordnet wird, wird dieser automatisch mit dem Buchen des Transporteurs übernommen und aufgelistet

Idee Florian mit Split Screen

RICOH

10-15 Sh. 2
Scrub



Was machen wenn 1 Tag weg 2x 2 Anhänger
1x 1 Anhänger

Bahnhof

→ Shipment #116 + Verlade tag

- ④ -586-7 P32 7526 Möller Hans

⑤ -573-4 P32 7526 Möller Hans P24 1012 Klarer
2'ooong kurt

⑥ -734-5 Pflanzen
hirschen
Schildkröte
bier hirschen