

Commenti e modifiche al documento principale

**Pagina 1: Formattato** **Etion Pinari** **03/12/2020 22:28:00**

Distanza intestazione dal bordo: 0 cm, Distanza piè di pagina dal bordo: 0 cm

**Pagina 1: Commentato [EP1]** **Etion Pinari** **18/11/2020 21:36:00**

Job? Implementation seems like the wrong term to use too...

**Pagina 1: ha inserito** **Etion Pinari** **01/12/2020 20:56:00**

These goals are formally defined as the following:

Store Manager related:

**Pagina 1: ha inserito** **Etion Pinari** **02/12/2020 18:32:00**

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**Pagina 1: ha formattato** **Etion Pinari** **02/12/2020 18:32:00**

Tipo di carattere: +Corpo (Calibri)

**Pagina 1: ha inserito** **Etion Pinari** **01/12/2020 20:56:00**

G1	The store manager should track how many people are inside the store at any point in time.
G2	The store manager should regulate the influx of people that can enter inside the store.

Store stakeholders and users

**Pagina 1: Formattato** **Etion Pinari** **02/12/2020 18:32:00**

Rientro: Sinistro: 3,81 cm

**Pagina 1: Formattato** **Etion Pinari** **01/12/2020 20:57:00**

Paragrafo elenco

**Pagina 1: Tabella formattata** **Etion Pinari** **01/12/2020 20:58:00**

Tabella formattata

**Pagina 1: Formattato** **Etion Pinari** **01/12/2020 20:57:00**

Paragrafo elenco

**Pagina 1: Formattato** **Etion Pinari** **01/12/2020 21:02:00**

Rientro: Sinistro: 1,27 cm

**Pagina 1: ha formattato** Etion Pinari 01/12/2020 21:00:00

Tipo di carattere: (Predefinito) Bell MT, 12 pt

**Pagina 1: ha inserito** Etion Pinari 02/12/2020 18:32:00

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**Pagina 1: ha inserito** Etion Pinari 01/12/2020 21:00:00

G3	Everybody should be able to maintain social distancing inside the stores.
G4	Everybody should be able to maintain social distancing in front of the stores.

**Pagina 1: Formattato** Etion Pinari 02/12/2020 18:32:00

Paragrafo elenco, Rientro: Sinistro: 3,81 cm

**Pagina 1: Tabella formattata** Etion Pinari 01/12/2020 21:01:00

Tabella formattata

**Pagina 1: ha inserito** Etion Pinari 03/12/2020 22:00:00

G5	Stores should allow as many customers inside as possible
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**Pagina 1: Commentato [EP2]** Etion Pinari 03/12/2020 22:01:00

Added as of 3<sup>rd</sup> of December

**Pagina 2: ha inserito** Etion Pinari 01/12/2020 21:02:00

- Users and customers

G56	Anyone who wants to book a visit to the stores should decide their desired time to go.
G67	Anyone who wants to go in any store should not need to stand in queue in front of itthe store and wait.

**Pagina 2: Formattato** Etion Pinari 03/12/2020 22:00:00

Normale

**Pagina 2: ha formattato** Giorgio Romeo 02/12/2020 00:40:00

Tipo di carattere: 12 pt

<b>Pagina 2: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:32:00</b>
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Puntato + Livello:3 + Allinea a: 3,17 cm + Imposta un rientro di: 3,81 cm

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:32:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 2: Tabella formattata</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:03:00</b>
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Tabella formattata

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 22:00:00</b>
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5

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:25:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:25:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 22:00:00</b>
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6

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:25:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:46:00</b>
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it

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:46:00</b>
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and wait

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:25:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 2: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:40:00</b>
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<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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A

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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Tipo di carattere: (Predefinito) Bell MT, 12 pt

<b>Pagina 2: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:31:00</b>
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Rientro: Prima riga: 1,27 cm

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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s

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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subgoal

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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Tipo di carattere: (Predefinito) Bell MT, 12 pt

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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s

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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of these

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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last

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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two goals

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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we

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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would b

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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b

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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hav

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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e:

Sub-G7

<b>Pagina 2: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 22:32:00</b>
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7

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>03/12/2020 22:32:00</b>
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8

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:05:00</b>
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: “The ability to know which stores are available to go to, at any moment.”

<b>Pagina 2: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:30:00</b>
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Sub-G9: “Customers should be suggested different available stores to go to, if their requested one has no available spaces”

<b>Pagina 2: Formattato</b>	<b>Etion Pinari</b>	<b>04/12/2020 11:40:00</b>
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Rientro: Sinistro: 2,54 cm, Prima riga: 0 cm

<b>Pagina 2: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:50:00</b>
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Rientro: Sinistro: 0 cm, Prima riga: 0 cm

<b>Pagina 2: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 21:04:00</b>
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User ~~intense~~ the shop of the shop ~~W~~

Tipo di carattere: (Predefinito) Bell MT, 12 pt

<b>Pagina 3: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 3: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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Rientro: Sinistro: 0 cm

<b>Pagina 3: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:33:00</b>
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<b>Pagina 3: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:41:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: Tabella formattata</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:53:00</b>
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Tabella formattata

<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:51:00</b>
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Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:51:00
Pagina 3: ha eliminato	Etion Pinari	02/12/2020 18:33:00

User ~~gates~~ physical ticket to get a product Web

Pagina 3: Formattato	Etion Pinari	02/12/2020 18:53:00
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Rientro: Sinistro: 1,89 cm, Nessun elenco puntato o numerato

Pagina 3: ha inserito	Giorgio Romeo	02/12/2020 00:30:00
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Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:53:00
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B.1

Pagina 3: Formattato	Etion Pinari	02/12/2020 18:53:00
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Numerazione automatica + Livello:1 + Stile numerazione: 1, 2, 3, ... + Comincia da:1 + Allineamento: A sinistra +  
Allinea a: 1,25 cm + Imposta un rientro di: 1,89 cm

Pagina 29: Spostato a pagina 0 (spostamento n. 2)	Etion Pinari	02/12/2020 18:52:00
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Pagina 29: ha eliminato	Etion Pinari	02/12/2020 22:23:00
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Pagina 29: Tabella formattata	Giorgio Romeo	02/12/2020 00:30:00
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Tabella formattata

Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
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Controlled by

Pagina 3: ha inserito	S1	Virtual User gets ticket through the app	Controlled by World
	S1	Virtual User books a visit through the app	World World
	S2	Physical User requests ticket from the dispenser	World World
	S3	Physical User retrieves ticket from the dispenser	World Machine
	S4	Physical User retrieves ticket from the dispenser	Machine World
	S5	User scans QR code at entrance	World
	S6	Turnstile opens	Machine World
	S7	Turnstile closes	Machine Machine
	S8	Virtual User is notified about his coming turn	Machine
	S9	Virtual User registers his coming turn	Machine World
	S10	Virtual User queries available markets	World World
	S11	Shop manager queries statistics on shop entrances	World World
	S12	Shop manager queries statistics on shop entrances	World

	Etion Pinari	02/12/2020 18:52:00
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S1



Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Virtual User gets ticket through the app		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S2		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Virtual User books a visit through the app		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S3		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Physical User requests ticket from the dispenser		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S4		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Physical User retrieves ticket from the dispenser		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Machine		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S5		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
User scans QR code at entrance		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S6		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
User scans QR code at exit		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		

Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S7		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Turnstile opens		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Machine		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S8		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Turnstile closes		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Machine		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S9		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Virtual User is notified about his coming turn		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Machine		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S10		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Virtual User registers providing requested info		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S11		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Virtual User queries available markets		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
World		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
S12		
Pagina 3: ha inserito	Etion Pinari	02/12/2020 18:52:00
Shop manager queries statistics on shop entrances		

<b>Pagina 3: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:52:00</b>
World		

<b>Pagina 4: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:52:00</b>
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<b>Pagina 4: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:39:00</b>
Normale		

<b>Pagina 4: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:31:00</b>
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<b>Pagina 4: Commentato [EP3]</b>	<b>Etion Pinari</b>	<b>18/11/2020 21:26:00</b>
To be defined		

<b>Pagina 4: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 18:48:00</b>
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Social distancing: the personal space to any single person as an area of radius 1m.

Front of stores: the area that is property of the store and in which people queue up to wait for their turn.

<b>Pagina 4: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:33:00</b>
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Inactive User: a virtual user that does not click on any button in the “*Get a ticket*” or “*Book a visit*” page.

<b>Pagina 4: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:41:00</b>
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<b>Pagina 5: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:53:00</b>
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Tipo di carattere: 16 pt

<b>Pagina 5: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:53:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 5: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:31:00</b>
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7<sup>th</sup> meeting: Reviewed Use Cases and defined new Requirements  
Duration 1.5h, 01/12/2020

<b>Pagina 5: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:01:00</b>
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<b>Pagina 5: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:02:00</b>
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<b>Pagina 5: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:34:00</b>
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<b>Pagina 5: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:54:00</b>
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Tipo di carattere: 16 pt

<b>Pagina 5: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:37:00</b>
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A.

Graphic demo of mobile application: <https://customerlineup.bubbleapps.io>

<b>Pagina 5: Formattato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:37:00</b>
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Rientro: Sinistro: 1,27 cm, Nessun elenco puntato o numerato

<b>Pagina 5: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:54:00</b>
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1) <https://customerlineup.bubbleapps.io>

ISO/IEEE standards for the engineering of requirements for systems and software products:  
<https://standards.ieee.org/standard/29148-2018.html>

<b>Pagina 5: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:54:00</b>
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Tipo di carattere: 14 pt

<b>Pagina 5: Formattato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:37:00</b>
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Rientro: Sinistro: 1,3 cm, Sporgente 0,63 cm, Numerazione automatica + Livello:1 + Stile numerazione: 1, 2, 3, ... +  
 Comincia da:1 + Allineamento: A sinistra + Allinea a: 0,63 cm + Imposta un rientro di: 1,27 cm

<b>Pagina 5: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:36:00</b>
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3.A.1 : Graphic demo of mobile application: <https://customerlineup.bubbleapps.io>

<b>Pagina 5: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:54:00</b>
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Tipo di carattere: 16 pt

<b>Pagina 5: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:41:00</b>
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<b>Pagina 7: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
phone		
<b>Pagina 7: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
device		
<b>Pagina 7: Commentato [GR4]</b>	<b>Giorgio Romeo</b>	<b>23/11/2020 23:19:00</b>
The system asks before the time or the supermarket?		
<b>Pagina 7: Commentato [EP5R4]</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:50:00</b>
Irrelevant, he can choose either way.		
<b>Pagina 7: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 18:49:00</b>
Tipo di carattere: 12 pt, Non Grassetto		
<b>Pagina 7: Commentato [EP6]</b>	<b>Etion Pinari</b>	<b>18/11/2020 21:26:00</b>
To be reworded		
<b>Pagina 7: Commentato [EP7R6]</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:49:00</b>
First definition is fine		
<b>Pagina 7: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 18:50:00</b>
phone		
<b>Pagina 7: Commentato [GR8]</b>	<b>Giorgio Romeo</b>	<b>20/11/2020 12:06:00</b>
Maybe it is better to be more generic, e.g., devices.		
<b>Pagina 7: Commentato [EP9R8]</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:50:00</b>
Agreed		
<b>Pagina 7: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 18:50:00</b>
.		
<b>Pagina 7: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
device		
<b>Pagina 7: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:51:00</b>
selects		
<b>Pagina 7: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:38:00</b>
.		
<b>Pagina 7: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:51:00</b>
selects		
<b>Pagina 7: Commentato [GR10]</b>	<b>Giorgio Romeo</b>	<b>20/11/2020 12:20:00</b>
We could describe the case in which he pays in the automated machines and exits through the turnstiles		

<b>Pagina 7: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:02:00</b>
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<b>Pagina 7: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:02:00</b>
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Rientro: Sinistro: 1,75 cm, Nessun elenco puntato o numerato

<b>Pagina 8: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:51:00</b>
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either

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<b>Pagina 8: ha eliminato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:51:00</b>
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a smartphone or on the PC

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<b>Pagina 8: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:51:00</b>
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her device

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<b>Pagina 8: Commentato [EP11]</b>	<b>Etion Pinari</b>	<b>21/11/2020 18:24:00</b>
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More? Less?

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:03:00</b>
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<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:49:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 8: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

B.1)

Pagina  
29: ha

R1	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store virtually
R2	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store physically
R3	The system shall allow users to book a visit virtually with their desired store, up to the next #7 upcoming days
R4	The system shall allow users to look up on a map available stores where to go to
R5	The system shall count the number of entrances and exits each day, for each market
R6	The system shall store the number of entrances and exits for each market
R7	The system shall allow users to be identified by their phone unique ID
R8	The system shall allow users to be identified by a username of their choosing
R9	The system shall allow store managers to regulate the number of entrances allowed in the store.
R10	The system shall allow its users to insert information about which categories or items they want to buy.
R11	The system shall infer how long it will take for customers to buy all products.
R12	The system shall store data about registered users' habits of expenses.
R13	The system shall inform users every 6 hours of the 10 closest stores' available time slots for the day.
R13.1	The system shall allow its users to select which store(s) to get informed about, by default none
R13.2	The system shall allow its users to select which time slots he's interested to get informed about, by default none
R14	The system shall calculate how many people can stay inside the stores at any moment
R15	The system shall ask users how much he or she thinks the trip will last

eliminato

Etion Pinari

02/12/2020 18:04:00





R1	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store virtually
R2	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store physically
R3	The system shall allow users to book a visit virtually with their desired store, up to the next #7 upcoming days
R4	The system shall allow users to look up on a map available stores where to go to
R5	The system shall count the number of entrances and exits each day, for each market
R6	The system shall store the number of entrances and exits for each market
R7	The system shall allow users to be identified by their phone unique ID
R8	The system shall allow users to be identified by a username of their choosing
R9	The system shall allow store managers to regulate the number of entrances allowed in the store.
R10	The system shall allow its users to insert information about which categories or items they want to buy.
R11	The system shall infer how long it will take for customers to buy all products.
R12	The system shall store data about registered users' habits of expenses.
R13	The system shall inform users every 6 hours of the 10 closest stores' available time slots for the day.
R13.1	The system shall allow its users to select which store(s) to get informed about, by default none
R13.2	The system shall allow its users to select which time slots he's interested to get informed about, by default none
R14	The system shall calculate how many people can stay inside the stores at any moment
R15	The system shall ask users how much he or she thinks the trip will last

**Pagina 29:**

**Formattato**

**Etion Pinari**

**01/12/2020 19:02:00**

Normale, Nessun elenco puntato o numerato

**Pagina 29: Tabella formattata**

**Giorgio Romeo**

**02/12/2020 00:32:00**

Tabella formattata

**Pagina 10: ha inserito**

**Etion Pinari**

**01/12/2020 19:01:00**

The most important aspects of the system to be are the regulation and management of the entrances in stores as seen in the above scenarios.

The system

<b>Pagina 10: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:02:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:43:00</b>
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-

<b>Pagina 10: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:43:00</b>
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<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:03:00</b>
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to

<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:43:00</b>
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-

<b>Pagina 10: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:43:00</b>
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<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:03:00</b>
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be should inform its users of what stores are available to go to and allow them to take a ticket and line up without needing to be in presence in front of the store.

<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:43:00</b>
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The system should also be a guidance of help to the store managers by providing information about the number of people who have entered

<b>Pagina 10: ha formattato</b>	<b>Etion Pinari</b>	<b>01/12/2020 19:02:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 29: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:31:00</b>
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R1	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store virtually
R2	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store physically
R3	The system shall allow users to book a visit virtually with their desired store, up to the next 7n upcoming days
R4	The system shall allow users to look up on a map available stores where to go to
R5	The system shall count the number of entrances and exits each day, for each market
R6	The system shall store the number of entrances and exits for each market
R7	The system shall allow users to be identified by their phone unique ID
R8	The system shall allow users to be identified by a username of their choosing
R9	The system shall allow store managers to regulate the number of entrances allowed in the store.
R10	The system shall allow its users to insert information about which categories or items they want to buy.
R11	The system shall infer how long it will take for customers to buy all products.
R12	The system shall store data about registered users' habits of expenses.
R13	The system shall inform users every 6 hours of the 10 closest stores' available time slots for the day.
R13.1	The system shall allow its users to select which store(s) to get informed about, by default none
R13.2	The system shall allow its users to select which time slots he's interested to get informed about, by default none
R14	The system shall calculate how many people can stay inside the stores at any moment
R15	The system shall ask users how much he or she thinks the trip will last

R9	The system shall allow store managers to regulate the number of entrances allowed in the store.
R10	The system shall allow its users to insert information about which categories or items they want to buy.
R11	The system shall infer how long it will take for customers to buy all products.
R12	The system shall store data about registered users' habits of expenses.
R13	The system shall inform users every 6 hours of the 10 closest stores' available time slots for the day.
R13.1	The system shall allow its users to select which store(s) to get informed about, by default none
R13.2	The system shall allow its users to select which time slots he's interested to get informed about, by default none
R14	The system shall calculate how many people can stay inside the stores at any moment
R15	The system shall ask users how much he or she thinks the trip will last

Tipo di carattere: Bell MT, 12 pt

<b>Pagina 10: ha inserito</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 15:38:00</b>
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<b>Pagina 10: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:11:00</b>
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A.

A1	Users will take the shortest path to shops
A2	User which specified a shopping list will spend 90% of their time within that visit in the departments related to the declared list
A3	Data about store departments and items collocation in departments is correct
A4	All store entrances and exits will have turnstiles gates
A5	Users in stores will abide to local norms on social distancing
A6	Only one person will enter the store per ticket
A7	All people who are in front of the store have an appointment to enter the store within the next 15 minutes

**Pagina 11: ha eliminato** **Etion Pinari** **02/12/2020 22:42:00**

**Pagina 11: ha inserito** **Giorgio Romeo** **01/12/2020 15:38:00**

## D.Assumptions, dependencies and constraints

A1	Users will take the shortest path to shops
A2	User which specified a shopping list will spend 90% of their time within that visit in the departments related to the declared list
A3	Data about store departments and items collocation in departments is correct
A4	All store entrances and exits will have turnstiles gates
A5	Users in stores will abide to local norms on social distancing

**Pagina 11: ha inserito** **Etion Pinari** **02/12/2020 22:42:00**

**Pagina 11: Commentato [EP12]** **Etion Pinari** **03/12/2020 23:08:00**

Necessary for algorithm not for RASD

**Pagina 11: Commentato [EP13]** **Etion Pinari** **03/12/2020 23:13:00**

We can actually enforce it because if the shop has no turnstile we just will not deploy our system

**Pagina 11: Formattato** **Giorgio Romeo** **01/12/2020 15:38:00**

Paragrafo elenco, Rientro: Sinistro: 1,11 cm

**Pagina 29: ha eliminato** **Etion Pinari** **02/12/2020 18:11:00**

<b>Pagina 29: ha inserito</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 15:39:00</b>
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<b>Pagina 29: Tabella formattata</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 15:40:00</b>
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Tabella formattata

<b>Pagina 11: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:11:00</b>
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<b>Pagina 11: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:11:00</b>
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Rientro: Sinistro: 0 cm

<b>Pagina 11: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:13:00</b>
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A1	Users will take the shortest path to shops
A2	User which specified a shopping list will spend 90% of their time within that visit in the departments related to the declared list
A3	Data about store departments and items collocation in departments is correct
A4	All store entrances and exits will have turnstiles gates
A5	Users in stores will abide to local norms on social distancing

<b>Pagina 12: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 15:40:00</b>
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Pagina 12: ha inserito	Etion Pinari	02/12/2020 18:13:00
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Pagina 12: ha eliminato	Etion Pinari	02/12/2020 18:12:00
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Pagina 12: ha eliminato	Etion Pinari	02/12/2020 18:15:00
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Pagina 12: ha inserito	Etion Pinari	02/12/2020 18:14:00
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Pagina 12: ha inserito	Etion Pinari	02/12/2020 18:13:00
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Pagina 13: ha eliminato	Etion Pinari	02/12/2020 18:15:00
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*\*Mockups are taken from an interactive graphic demo with graphic-driving purposes only, linked in the "reference documents" paragraph.*

Pagina 14: ha formattato	Etion Pinari	01/12/2020 21:45:00
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Tipo di carattere: (Predefinito) Bell MT, 12 pt

Pagina 14: Commentato [CS14]	Cristian Sbrolli	26/11/2020 21:18:00
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Only ticket or book a visit too?

Pagina 14: ha formattato	Etion Pinari	01/12/2020 21:45:00
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Tipo di carattere: (Predefinito) Bell MT, 12 pt

Pagina 14: ha formattato	Etion Pinari	01/12/2020 21:45:00
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Tipo di carattere: (Predefinito) Bell MT, 12 pt

Pagina 14: ha eliminato	Etion Pinari	03/12/2020 20:16:00
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all of

Pagina 14: ha inserito	Etion Pinari	03/12/2020 20:16:00
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all

Pagina 14: ha inserito	Etion Pinari	03/12/2020 20:17:00
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I.

<sup>1</sup> *Mockups are taken from an interactive graphic demo with graphic-driving purposes only, linked in the "reference documents" paragraph.*

- III. The users of the system-to-be will have to interact with turnstiles in entrance and possibly in exit, in special cases documented above. In addition, the turnstiles will have a QR code scanner.

The cash register will have a QR code scanner for all the users who are about to exit from the store.

I.

<b>Pagina 14: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:17:00</b>
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Tipo di carattere: 16 pt

<b>Pagina 14: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:17:00</b>
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Tipo di carattere: Non Corsivo

<b>Pagina 14: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:26:00</b>
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Tipo di carattere: 16 pt

<b>Pagina 14: ha eliminato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:18:00</b>
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I.

<b>Pagina 14: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:17:00</b>
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Tipo di carattere: Corsivo

<b>Pagina 14: ha inserito</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:18:00</b>
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I.

<b>Pagina 14: ha formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:17:00</b>
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Tipo di carattere: Non Corsivo

<b>Pagina 14: Formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:18:00</b>
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Rientro: Sinistro: 2,54 cm, Nessun elenco puntato o numerato

<b>Pagina 14: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:47:00</b>
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The system will require an interface with a memory

I.

<b>Pagina 14: Spostato da pagina 14 (spostamento n. 3)</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:46:00</b>
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A relational storage unit DBMS is required for to manage ing store and tickets data and to allow lookups.

<b>Pagina 14: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:47:00</b>
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A relational

I.

<b>Pagina 14: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:48:00</b>
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storage unit

I.

<b>Pagina 14: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:48:00</b>
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DBMS is required for

I.

Pagina 14: ha inserito	Etion Pinari	02/12/2020 18:48:00
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to

I.

Pagina 14: ha inserito	Etion Pinari	02/12/2020 18:48:00
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e

I.

Pagina 14: ha eliminato	Etion Pinari	02/12/2020 18:48:00
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ing

I.

Pagina 14: ha eliminato	Etion Pinari	02/12/2020 18:48:00
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s

I.

Pagina 14: ha eliminato	Etion Pinari	02/12/2020 18:47:00
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Devices that run the app will have as operating system IOS 9+ or Android 4.0.3+.

Pagina 14: Spostato a pagina 14 (spostamento n. 3)	Etion Pinari	02/12/2020 18:46:00
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A relational DBMS is required for managing store and tickets data and to allow lookups.

Pagina 14: ha eliminato	Etion Pinari	02/12/2020 18:47:00
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Shop manager's PC that runs desktop app will have Windows 10 as operating system.

I.

Pagina 14: ha eliminato	Etion Pinari	01/12/2020 21:55:00
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Desktop

I.

Pagina 14: ha inserito	Etion Pinari	01/12/2020 21:55:00
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Shop manager's device

I.

Pagina 14: ha eliminato	Etion Pinari	01/12/2020 21:55:00
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app

I.

Pagina 14: Commentato [CS15]	Cristian Sbrolli	26/11/2020 21:49:00
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Or some sort or VPN?

Pagina 14: ha eliminato	Etion Pinari	03/12/2020 20:27:00
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Pagina 14: Formattato	Etion Pinari	03/12/2020 20:27:00
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Normale

**Pagina 15: ha eliminato**

**Etion Pinari**

**02/12/2020 18:27:00**

**Pagina 15: ha inserito**

**Etion Pinari**

**03/12/2020 20:35:00**

## B.1) Formal Functional Requirements<sup>1</sup>

R1	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store, virtually
R2	The system shall allow users to get a ticket with a date and time that shows when to go to a certain store, physically
R3	The system shall allow users to book a visit virtually with their desired store, up to the next 7 upcoming days
R4	The system shall allow users to look up on a map available stores where to go to
R5	The system shall ask users how much he or she thinks the trip will last
R6	The system shall allow users to be identified by their phone unique ID
R7	The system shall allow users to be identified by a username of their choosing
R8	The system shall notify the user who has been inactive for 30 seconds while on the confirmation page of booking a ticket, on other available stores he could go to
R9	The system shall allow its users to insert information about which categories or items they want to buy
R10	The system shall infer how long it will take for customers to buy all products
R11	The system shall store data about registered users' habits of expenses
R12	The system shall inform users every 6 hours of the 10 closest stores' available time slots for the day
R12.1	The system shall allow its users to select which store(s) to get informed about, by default none
R12.2	The system shall allow its users to select which time slots he is interested to get informed about, by default none
R13	The system shall allow the user to scan its QR code in entrance through the turnstiles
R14	The system shall allow the user to scan its QR code in exit through the turnstiles or cash register
R15.1	The system shall open turnstiles after a unique QR code scan in entrance, for 5 seconds
R15.2	The system shall open turnstiles after a unique QR code scan in exit, for 5 seconds
R16	The system shall calculate the maximum number of people allowed outside each store as to provide social distancing
R17	The system shall count the number of entrances and exits each day, for each market
R18	The system shall store the number of entrances and exits for each market
R19	The system shall allow store managers to regulate the number of entrances allowed in the store hourly.
R20	The system shall calculate the maximum number of people allowed inside each store as to provide social distancing
R21	The system shall allow store managers to see how many customers have entered the store for the past 7 days

<sup>1</sup> Requirements' related actors:

-Red: users

-Green: store managers (next page)

New as of 3 December 2020

<b>Pagina 15: Commentato [EP17]</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:41:00</b>
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And their qr codes (?)

<b>Pagina 15: Commentato [EP18]</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:30:00</b>
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New as of 03 Dec

<b>Pagina 15: Commentato [EP19]</b>	<b>Etion Pinari</b>	<b>03/12/2020 22:27:00</b>
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What if turnstiles have no inherent qr code scanner?

<b>Pagina 15: Commentato [EP20]</b>	<b>Etion Pinari</b>	<b>03/12/2020 20:30:00</b>
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New as of 03 Dec

<b>Pagina 15: Commentato [EP21]</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:04:00</b>
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!!!!

we might add FR which say that system allows stores to register themselves and input their location

<b>Pagina 15: Formattato</b>	<b>Etion Pinari</b>	<b>03/12/2020 21:04:00</b>
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Tabulazioni: 15,72 cm, Allineato a sinistra

<b>Pagina 16: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 20:24:00</b>
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*Virtual User's registration*

*B.1.1)*

<b>Pagina 16: ha inserito</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 20:24:00</b>
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*Register Account*

*B.1.1)*

<b>Pagina 16: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:55:00</b>
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<b>Pagina 16: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:55:00</b>
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Through the store manager actor, we also represent all store stakeholders that have as a goal to have as many people as possible inside stores

*Virtual User's Login*

*B.1.1)*

*B.1.1) Login into Account*

Actors	Virtual User
Entry condition	The virtual user is already into the CLup app homepage
Events flow	<ol style="list-style-type: none"> <li>1) If the user wants to login as a guest, he directly selects either "Get a ticket" or "Book a visit" button, otherwise he inserts username and password into the "Username" and "Password" fields, respectively.</li> <li>2) The user clicks on the "Login" button.</li> <li>3) The system redirects the user to the CLup app homepage</li> </ol>
Exit condition	The virtual user is successfully redirected to the CLup app homepage
Exceptions	<ol style="list-style-type: none"> <li>1) The virtual user clicks on the "Login" button but either the username or the password is wrong. The system notifies the user about the error. The Events flow starts again from point 1.</li> </ol>

## *Get Physical Ticket*

### *B.1.1)*

Pagina 17: Formattato

Giorgio Romeo

04/12/2020 20:24:00

Normale, Nessun elenco puntato o numerato

Pagina 29: Spostato a pagina 29 (spostamento n. 1) Giorgio Romeo

02/12/2020 00:54:00

Actors	Virtual User
Entry condition	The virtual user is already into the CLup app homepage
Events flow	<p>If the user wants to login as a guest, he directly selects either “<i>Get a ticket</i>” or “<i>Book a visit</i>” button, otherwise he inserts username and password into the “<i>Username</i>” and “<i>Password</i>” fields, respectively.</p> <p>The user clicks on the “<i>Login</i>” button.</p> <p>The system redirects the user to the CLup app homepage</p>
Exit condition	The virtual user is successfully redirected to the CLup app homepage



Pagina 29:  
ha  
eliminato

Exceptions	The virtual user clicks on the “Login” button but either the username or the password is wrong. The system notifies the user about the error. The Events flow starts again from point 1.
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Giorgio Romeo

02/12/2020 00:54:00

Pagina 29:  
Tabella  
formattata

Actors	Virtual User
Entry condition	The virtual user is already into the CLup app homepage
Actors	Virtual User
Events flow	If the user wants to login as a guest, he directly selects either “Get a ticket” or “Book a visit” button, otherwise he inserts username and password into the “Username” and “Password” fields, respectively.
Entry condition	The virtual user is already into the CLup app homepage
Events flow	The user clicks on the “Login” button. The system redirects the user to the CLup app homepage
Exit condition	The user’s fields, successfully redirected to the CLup app homepage
Exceptions	The virtual user clicks on the “Login” button but either the username or the password is wrong. The system notifies the user about the error. The Events flow starts again from point 1.
Exit condition	The virtual user is successfully redirected to the CLup app homepage
Exceptions	The virtual user clicks on the “Login” button but either the username or the password is wrong. The system notifies the user about the error. The Events flow starts again from point 1.

Giorgio Romeo

02/12/2020 00:49:00

Tabella formattata

Pagina 29: Spostato da pagina 29 (spostamento n. 1) Giorgio Romeo

02/12/2020 00:54:00

Actors	Virtual User
Entry condition	The virtual user is already into the CLup app homepage

Events flow	If the user wants to login as a guest, he directly selects either “Get a ticket” or “Book a visit” button, otherwise he inserts username and password into the “Username” and “Password” fields, respectively. The user clicks on the “Login” button. The system redirects the user to the CLup app homepage
Exit condition	The virtual user is successfully redirected to the CLup app homepage
Exceptions	The virtual user clicks on the “Login” button but either the username or the password is wrong. The system notifies the user about the error. The Events flow starts again from point 1.

**Giorgio Romeo**

**02/12/2020 00:51:00**

Tabella formattata

**Giorgio Romeo**

**02/12/2020 00:53:00**

Tipo di carattere: Non Corsivo

**Giorgio Romeo**

**02/12/2020 00:53:00**

Tipo di carattere: Non Corsivo

**Giorgio Romeo**

**04/12/2020 20:26:00**

Actors	Physical User
Entry condition	The user is in front of the ticket dispenser of the store where he would want to do the shopping
Events flow	<ol style="list-style-type: none"> <li>1) The user clicks on the “Get ticket” button</li> <li>2) The user visualizes through the ticket dispenser’s screen the first available time slot.</li> <li>3) The user clicks on the “Confirm” button</li> <li>4) The ticket dispenser prints to the user the physical ticket containing: <ol style="list-style-type: none"> <li>a) The provided time slot.</li> <li>b) The store’s name and address.</li> <li>c) The QR code to enter (and exit) the store.</li> </ol> </li> </ol>
Exit condition	The user successfully receives the physical ticket.

Exceptions	<p>1) The user refuses the provided time slot clicking on the “Cancel” button.</p> <p>The ticket is not dispensed. The user either goes away or starts again the procedure to get a physical ticket (Events flow restarts from event 1).</p>
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B.1.1)

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or he wants to access as a guest
Events flow	<p>5) The user selects the “<i>Get a ticket</i>” button.</p> <p>6) The system redirects the user to a page where he can select the store where he would want to go (from a map).</p> <p>7) The user selects a store from the map.</p> <p>8) The system provides the first available time slot for the selected store.</p> <p>9) The user clicks on the “<i>Confirm</i>” button.</p> <p>10) The system notifies the user that the procedure has been successfully managed.</p> <p>11) The system sends to the user the virtual ticket containing:</p> <ul style="list-style-type: none"> <li>d) The user’s selected time slot.</li> <li>e) The store’s name and address.</li> <li>f) The QR code to enter (and exit) the store.</li> </ul>
Exit condition	The user successfully receives the virtual ticket.
Exceptions	<p>2) The user refuses the provided time slot clicking on the “Cancel” button.</p> <p>The system redirects the user to the homepage (<i>Events flow</i> starts again from event 1).</p>

*Suggestion Alternative Stores (Get Virtual Ticket)*

*B.1.1)*

Migliorabile

Pagina 20:  
ha inserito

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or he wants to access as a guest
Events flow	<p>The user selects the “<i>Get a ticket</i>” button.  The system redirects the user to a page where he can select the store where he would want to go (from a map).  The user selects a store from the map.  The system provides the first available time slot for the selected store.  The user clicks on the “<i>Confirm</i>” button.  The system notifies the user that the procedure has been successfully managed.  The system sends to the user the virtual ticket containing:</p> <ul style="list-style-type: none"> <li>The user’s selected time slot.</li> <li>The store’s name and address.</li> <li>The QR code to enter (and exit) the store.</li> </ul>
Exit condition	The user successfully receives the virtual ticket.
Exceptions	<p>The user refuses the provided time slot clicking on the “<i>Cancel</i>” button.  The system redirects the user to the selection page (<i>Events flow</i> starts again from event 3).</p>

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or he wants to access as a guest
Events flow	<ol style="list-style-type: none"> <li>1) The first four events are the same of the “<i>Get Virtual Ticket</i>” use case.</li> <li>2) The user remains inactive for 30 seconds.</li> <li>3) The system notifies to the user the possibility to check among a list of further suggested stores.</li> <li>4) The user clicks on the received notification.</li> <li>5) The system provides to the user a list with further available stores with an available time slot preceding the already provided one.</li> </ol>
Exit condition	The user successfully receives the list of further suggested stores.
Exceptions	<ol style="list-style-type: none"> <li>1) The user clicks on the “<i>Confirm</i>” button without being inactive 30 seconds. The <i>Events flow</i> proceeds from event 6 of “<i>Get Virtual Ticket</i>” use case.</li> <li>2) The user does not click on the notification. The user can only confirm or reject the provided time slot for the selected store (the <i>Events flow</i> proceeds from event 5 of “<i>Get Virtual Ticket</i>” use case).</li> </ol>

Giorgio Romeo

02/12/2020 00:23:00

Tabella formattata

Pagina 20: ha inserito

Giorgio Romeo

01/12/2020 15:52:00

Pagina 20: ha eliminato

Etion Pinari

02/12/2020 18:48:00

Pagina 20: ha inserito

Giorgio Romeo

01/12/2020 11:22:00

B.1.6) *Book Visit*

Actors	Virtual User
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Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<ol style="list-style-type: none"> <li>1) The user selects the “<i>Book a visit</i>” button.</li> <li>2) The system redirects the user to a page where she can select the time slot or the store where she would want to go (from a map)</li> <li>3) <ol style="list-style-type: none"> <li>a) The user selects the time slot, the system provides, through the map, the first 10 available stores closest to the user’s current position.</li> <li>b) The user selects a store from the map, the system provides the list of available time slots for the next 7 days.</li> </ol> </li> <li>4) The user selects either a store from the map (case a) or a time slot (case b), then she clicks on the “<i>Confirm</i>” button.</li> <li>5) The system redirects the user to a page where she can indicate the approximate expected duration of the visit, the exact list of items and the categories of items she intends to purchase.</li> <li>6) The user optionally fills the previous fields, then she clicks on the “<i>Confirm</i>” button.</li> <li>12) The system notifies the user that the procedure has been successfully managed.</li> <li>13) The system sends to the user the virtual ticket containing: <ol style="list-style-type: none"> <li>a) The user’s selected time slot.</li> <li>b) The store’s name and address.</li> <li>c) The QR code to enter (and exit) the store.</li> </ol> </li> </ol>
Exit condition	The user successfully receives the virtual ticket.
Exceptions	<ol style="list-style-type: none"> <li>1) The user clicks on the “<i>Cancel</i>” button. The system redirects the user to the homepage (<i>Events flow</i> starts again from event 1).</li> <li>2) The user’s GPS is unavailable (case 3.a). The system asks the user to insert an address and provides the 10 available stores closest to the user’s address (<i>Events flow</i> continues from event 4).</li> </ol>

<b>Pagina 21: Tabella formattata</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 20:29:00</b>
Tabella formattata		
<b>Pagina 21: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:49:00</b>
Tipo di carattere: 13,5 pt		
<b>Pagina 21: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:49:00</b>
Tipo di carattere: 13 pt		
<b>Pagina 29: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 11:23:00</b>

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<p>The user selects the “<i>Book a visit</i>” button.</p> <p>The system redirects the user to a page where she can select the time slot or the store where she would want to go (from a map):</p> <p style="padding-left: 40px;">If the user selects the time slot, the system provides, through the map, the first 10 available stores closest to the user’s current position.</p> <p style="padding-left: 40px;">If the user selects a store from the map, the system provides the list of available time slots for the current day.</p> <p>The user selects either a store from the map (case a) or a time slot (case b), then she clicks on the “<i>Confirm</i>” button.</p> <p>The system redirects the user to a page where she can indicate the approximate expected duration of the visit, the exact list of items and the categories of items she intends to purchase.</p> <p>The user optionally fills the previous fields, then she clicks on the “<i>Confirm</i>” button.</p> <p>The system notifies the user that the procedure has been successfully managed.</p> <p>The system sends to the user the virtual ticket containing:</p> <p style="padding-left: 40px;">The user’s selected time slot.</p> <p style="padding-left: 40px;">The store’s name and address.</p> <p style="padding-left: 40px;">The QR code to enter (and exit) the store.</p>

Exit condition	The user successfully receives the virtual ticket.
Exceptions	<p>The user clicks on the “<i>Cancel</i>” button in the event 3. The system redirects the user to the initial selection page (Events flow starts again from event 2).</p> <p>The user clicks on the “<i>Cancel</i>” button in the event 5. The system redirects the user to the second selection page (Events flow starts again from event 3).</p>

*Book Visit*

<b>Pagina 29: Tabella formattata</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 11:21:00</b>
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Tabella formattata

<b>Pagina 29: Commentato [GR24]</b>	<b>Giorgio Romeo</b>	<b>25/11/2020 08:12:00</b>
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It probably can be written better.

<b>Pagina 22: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 12:11:00</b>
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<b>Pagina 22: Formattato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 11:22:00</b>
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Numerazione automatica + Livello:1 + Stile numerazione: 1, 2, 3, ... + Comincia da:1 + Allineamento: A sinistra +  
Allinea a: 1,75 cm + Imposta un rientro di: 2,38 cm

<b>Pagina 22: ha inserito</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 13:07:00</b>
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(*Book visit*)  
B.1.1)

<b>Pagina 29: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:24:00</b>
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**Pagina 29:**

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<p>The first two events are the same of the "<i>Book visit</i>" use case.</p> <p>If the user remains inactive (no actions performed) for 30 seconds, the system both provides a list of available times for the current day and notifies to the user the possibility to lookup further available time slots for days other than the current one.</p> <p>If the user selects clicks on the notification, the system provides to the user a second list with further available times. Otherwise, the user can select only an available time from the initial list.</p>
Exit condition	The user successfully receives the list of further available times.
Exceptions	

<b>Commentato [GR25]</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 09:00:00</b>
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Meglio non specificare?

<b>Pagina 29: Commentato [GR26]</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 09:02:00</b>
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Va bene?

<b>Pagina 22: ha inserito</b>	<b>Giorgio Romeo</b>	<b>02/12/2020 00:24:00</b>
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Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<ol style="list-style-type: none"><li>1) The first three events are the same of the <i>"Book visit"</i> use case (the user selects a store: case 3.b).</li><li>2) The user remains inactive for 30 seconds.</li><li>3) The system notifies to the user the possibility to check available time slots of further suggested stores.</li><li>4) The user clicks on the received notification.</li><li>5) The system provides to the user a list of available time slots of further suggested stores close to selected one.</li></ol>
Exit condition	The user successfully receives the list of available time slots.
Exceptions	<ol style="list-style-type: none"><li>1) The user selects a provided time slot without being inactive 30 seconds. The <i>Events flow</i> proceeds from event 5 of <i>"Book visit"</i> use case.</li><li>2) The user does not click on the notification. The user can select only the initial provided time slots (the <i>Events flow</i> proceeds from event 4 of <i>"Book visit"</i> use case).</li></ol>

*B.1.1)*      (*Book visit*)

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<ol style="list-style-type: none"> <li>1) The first three events are the same of the “<i>Book visit</i>” use case (the user selects a time slot: case 3.a).</li> <li>2) The user remains inactive for 30 seconds.</li> <li>3) The system notifies to the user the possibility to lookup further available stores for the selected time slot.</li> <li>4) The user clicks on the received notification.</li> <li>5) The system provides to the user a list with further available stores.</li> </ol>
Exit condition	The user successfully receives the list of further available stores.
Exceptions	<ol style="list-style-type: none"> <li>1) The user selects a provided store without being inactive 30 seconds. The <i>Events flow</i> proceeds from event 5 of “<i>Book visit</i>” use case.</li> <li>2) The user does not click on the notification. The user can select only the initial provided stores (the <i>Events flow</i> proceeds from event 4 of “<i>Book visit</i>” use case).</li> </ol>

*B.1.9) Enter/Exit Store*

Actors	User, Cashier
Entry condition	The user is in front of the store indicated in his ticket
Events flow	<ol style="list-style-type: none"><li>1) The user scans his QR code through the QR code reader of the turnstile in entrance.</li><li>2) The user enters the store.</li><li>3) The user does the shopping.</li><li>4) The user pays at the cash register.</li><li>5) The cashier scans the QR code of the user's ticket through the QR code reader of the cashier desk</li><li>6) The user exits the store</li></ol>
Exit condition	The user successfully enters/exits the store.

Exceptions	<p>1) The user arrives to the store 5 minutes or more after the time slot indicated in his ticket. The user either gets a physical ticket (see “Get physical ticket” use case) or goes away.</p> <p>2) The user does not buy anything. The user exits the store scanning his QR code through the QR code reader of the turnstile in exit.</p> <p>3) After the user enters the store, his physical ticket is lost or his virtual ticket becomes unavailable. The user exits the store without scanning the QR code. Moreover, the ticket is considered scanned two hours after the time slot indicated in the user’s ticket</p>
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#### *B.1.10) Periodic Notification of Time Slots*

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<ol style="list-style-type: none"> <li>1) The user accesses the notification panel.</li> <li>2) The user selects one or more stores she wants to be notified about.</li> <li>3) The user selects a day or a time range.</li> <li>4) The user selects how often she wants to be notified.</li> <li>5) The user clicks on the “<i>Confirm</i>” button.</li> <li>6) The system notifies the user that the procedure has been successfully completed.</li> </ol>
Exit condition	The user’s notification preferences are correctly updated.
Exceptions	

*Monitor Entrances*  
*B.1.1)*

<b>Pagina 23: Formattato</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 20:27:00</b>
Normale, Nessun elenco puntato o numerato		
<b>Pagina 24: Commentato [GR27]</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 20:28:00</b>
Rivedere		
<b>Pagina 24: Commentato [GR28]</b>	<b>Giorgio Romeo</b>	<b>04/12/2020 12:48:00</b>
DA rivedere		
<b>Pagina 24: Formattato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 16:03:00</b>
Normale, Nessun elenco puntato o numerato		
<b>Pagina 25: Formattato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 16:18:00</b>
Normale, Nessun elenco puntato o numerato		
<b>Pagina 25: Formattato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 11:22:00</b>
Numerazione automatica + Livello:1 + Stile numerazione: 1, 2, 3, ... + Comincia da:1 + Allineamento: A sinistra + Allinea a: 1,75 cm + Imposta un rientro di: 2,38 cm		
<b>Pagina 29: ha eliminato</b>	<b>Giorgio Romeo</b>	<b>01/12/2020 16:03:00</b>

Actors	Virtual User
Entry condition	The virtual user is already logged into CLup app or she wants to access as a guest
Events flow	<p>The user selects a time.</p> <p>The system both provides the available stores (selectable through the map) for the current day and notifies to the user the possibility to lookup further available stores for the selected time slot.</p> <p>If the user clicks on the notification, the system provides to the user a list with further available stores. Otherwise, the user can select only an available store from the map.</p>
Exit condition	The user successfully receives the list of further available stores.
Exceptions	

Giorgio Romeo

02/12/2020 00:26:00

Actors	Store Manager
Entry condition	The store manager access CLup app through an authorized account.
Events flow	<ol style="list-style-type: none"><li>1) The store manager selects a store between those he manages.</li><li>2) The system redirects the store manager to a page where he can:<ol style="list-style-type: none"><li>a) See the statistics about entrances of the selected store.</li><li>b) Regulate the influx of people entering the store by setting a parameter.</li></ol></li></ol>
Exit condition	The store manager can see the statistics and regulate the influx of people entering the selected store
Exceptions	

Etion Pinari

02/12/2020 19:24:00

Giorgio Romeo

01/12/2020 16:25:00

Pagina 26: ha inserito	Etion Pinari	02/12/2020 19:24:00
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*A)*

Pagina 26: ha formattato	Etion Pinari	02/12/2020 19:24:00
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Tipo di carattere: 18 pt

Pagina 26: ha eliminato	Etion Pinari	02/12/2020 19:24:00
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Pagina 26: Formattato	Etion Pinari	02/12/2020 19:24:00
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Normale, Nessun elenco puntato o numerato

Pagina 26: ha inserito	Etion Pinari	02/12/2020 19:08:00
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On the basis of studies done by ISTAT on the Italian number of population and by the US government on the habits of customers of grocery shops (references in point 6 of document), we extract some main points needed on the calculation of the performance requirements. These main points are:

- i) There are around 750 thousand families in Milan only.*
- ii) There are around 25 million families in Italy.*
- iii) On average Saturday sees more families go grocery shopping (from 10% to 40% more)*
  - (1) In the US from 29-30 million go on a weekday, while on the weekend 33-41 million families go grocery shopping*
- iv) The average family goes grocery shopping 1.6 times a week as of 2019*



Based on this information we can deduce that on the worst case the system to be will have to manage on peak hours 360 thousand users contemporarily in one hour in Italy.

Since it is important to have fast responses to users' requests, a response time to any request, comprising those of the external API's should be under 0.5 seconds.

<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:25:00</b>
Tipo di carattere: 18 pt		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:15:00</b>
Tipo di carattere: 18 pt		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:19:00</b>
Tipo di carattere: 18 pt		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:19:00</b>
Tipo di carattere: 10 pt		
<b>Pagina 26: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:19:00</b>
Formattato		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:24:00</b>
Tipo di carattere: 18 pt		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:25:00</b>
Tipo di carattere: Non Corsivo		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:25:00</b>
Tipo di carattere: Non Corsivo		
<b>Pagina 26: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:24:00</b>
Normale, Nessun elenco puntato o numerato		
<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:29:00</b>
Tipo di carattere: 12 pt		
<b>Pagina 26: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:14:00</b>

*A.1)*

The software will comply with local laws regarding COVID-19 and its safety related regulations.

Furthermore, the software will comply with local laws about data treatment and usage such as the EU General Data Protection Regulation [GDPR 2016/679](#).

<b>Pagina 26: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:14:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:18:00</b>
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Tipo di carattere: Bell MT, 12 pt

<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:14:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 26: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:06:00</b>
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<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:34:00</b>
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Tipo di carattere: 12 pt, Non Corsivo

<b>Pagina 26: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:42:00</b>
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*A.1)*

There are inherent hardware limitations in which the system will find itself.

For example, the dispenser will only have two buttons and a non-touch screen so the system cannot be much interactive.

It is important for the software to be designed in a way that keeps count of its portability. This way it will need to be run on computationally weak (old) devices too.

<b>Pagina 26: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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*Other Constraints:*

<b>Pagina 26: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 19:42:00</b>
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Tipo di carattere: 12 pt, Non Corsivo

<b>Pagina 26: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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*A.1)*

The system will have to handle up to 10% more requests with respect to the worst-case scenario defined in the Performance Requirements section.

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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Inglese (Regno Unito)

<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:19:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:24:00</b>
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<b>Pagina 27: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:23:00</b>
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*A.1)*

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:23:00</b>
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*A.1)*

Because of the system's importance on the provision of social distancing for one of the most crucial aspects of our lives, it will have to be up for 99.9% of the time. (Downtime: less than 9 hours)

<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:23:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:23:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:27:00</b>
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*A.1)*

Security is important for the sole reason of the registered users' passwords that will have to be stored. Since these passwords might be shared with other applications or programs with more sensitive data, the passwords should be encrypted with up-to-date technologies. All data should be stored in compliance with GDPR's regulation.

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:27:00</b>
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Inglese (Regno Unito)

<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:27:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:28:00</b>
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<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:34:00</b>
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*A.1)*

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:34:00</b>
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Tipo di carattere: 18 pt, Corsivo

<b>Pagina 27: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:34:00</b>
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<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:34:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:34:00</b>
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The system-to-be has a strong need of maintainability and extendibility because of its nature. The core system will have to adapt to many different countries' laws so the most important aspect will be its reusability of logical components such as the booking aspect or the queue managing.

<b>Pagina 27: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:41:00</b>
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*A.1)*

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:41:00</b>
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*A.1)*

Since the goal is to make it easy for all people to use our system-to-be, it must be operatable in different operating system environments.

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:41:00</b>
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Tipo di carattere: 18 pt, Corsivo

<b>Pagina 27: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:46:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 27: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:41:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 27: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:50:00</b>
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*1.*

<b>Pagina 28: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Normale, Nessun elenco puntato o numerato

<b>Pagina 29: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:48:00</b>
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1.

- How often families go grocery shopping per week : <https://www.statista.com/statistics/251728/weekly-number-of-us-grocery-shopping-trips-per-household/>
- How many families are there in Milan: <https://www.tuttitalia.it/lombardia/18-milano/statistiche/popolazione-andamento-demografico/>

Which day is the busiest for grocery shopping:

<https://www.forbes.com/sites/joanverdon/2020/04/08/best-time-for-grocery-shopping-tips-from-in-store-traffic-data/#:~:text=The%20busiest%20days%3F,box%20stores%2C%E2%80%9D%20he%20said.>

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<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:49:00</b>
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Inglese (Stati Uniti)

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:49:00</b>
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Inglese (Stati Uniti)

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Tipo di carattere: 11 pt

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Tipo di carattere: 20 pt

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Inglese (Stati Uniti)

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Collegamento ipertestuale, Tipo di carattere: +Corpo (Calibri), 12 pt, Inglese (Regno Unito)

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Tipo di carattere: 12 pt

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:51:00</b>
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Tipo di carattere: 22 pt

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:52:00</b>
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Tipo di carattere: 11 pt

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:52:00</b>
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Collegamento ipertestuale, Tipo di carattere: +Corpo (Calibri), 11 pt, Inglese (Regno Unito)

<b>Pagina 29: ha eliminato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:53:00</b>
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<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:51:00</b>
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Tipo di carattere: 11 pt, Non Corsivo, Inglese (Stati Uniti)

<b>Pagina 29: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:52:00</b>
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- How many families go grocery shopping on weekends in respect to weekdays:  
<https://www.insider.com/best-time-to-go-grocery-shopping-2018-3>

How many families are there in Italy: <https://www.istat.it/it/files/2018/12/C03.pdf>

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<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:53:00</b>
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Collegamento ipertestuale, Tipo di carattere: +Corpo (Calibri), 11 pt, Inglese (Regno Unito)

<b>Pagina 29: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:49:00</b>
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Puntato + Livello:1 + Allinea a: 0,63 cm + Imposta un rientro di: 1,27 cm

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:51:00</b>
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Tipo di carattere: 11 pt, Non Corsivo, Inglese (Stati Uniti)

<b>Pagina 29: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 20:50:00</b>
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Inglese (Stati Uniti)

Modifiche Intestazione e piè di pagina

Modifiche caselle di testo

<b>Pagina 13: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:42:00</b>
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Allineato al centro

<b>Pagina 13: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:42:00</b>
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Allineato al centro

Modifiche caselle di testo Intestazione e piè di pagina

Modifiche note a piè di pagina

<b>Pagina 12: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:14:00</b>
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<sup>1</sup> Mockups are taken from an interactive graphic demo with graphic-driving purposes only, linked in the “reference documents” paragraph.



<b>Pagina 12: Formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 18:15:00</b>
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Nessuna spaziatura, Rientro: Sinistro: 0 cm

<b>Pagina 15: ha inserito</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:32:00</b>
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<sup>1</sup> Requirements' related actors:

-Red: users      -Green: store managers (next page)

Through the store manager actor, we also represent all store stakeholders that have as a goal to have as many people as possible inside stores

<b>Pagina 15: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:33:00</b>
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Colore carattere: Colore personalizzato( RGB(255;51;0))

<b>Pagina 15: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:34:00</b>
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Colore carattere: Evidenziatore 6

<b>Pagina 15: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:44:00</b>
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Colore carattere: Automatico

<b>Pagina 15: ha formattato</b>	<b>Etion Pinari</b>	<b>02/12/2020 22:32:00</b>
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Inglese (Stati Uniti)

Modifiche note di chiusura