Luminaires localization project

Internship project

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empathize

Problem

- Maintaining existing system
- Time consuming
- Manual process

Users

- Engineers

Assumptions

- Familiar with technicalities
- No limitations on advanced functionality

Goals

- Time saving
- Scalable
- Digitalize
- Interconnectivity

*From stakeholder interviews

define

How might we

- Create a complex yet easy to use interface
- Automate monotonous tasks
- Design product to complement existing system

Need

- Competitors ahead
- Speed up projects
- Manual to digital

Key

- Business benefit

Persona

- Bert, 35
- Logic prone
- Tech savvy

ideate

Features

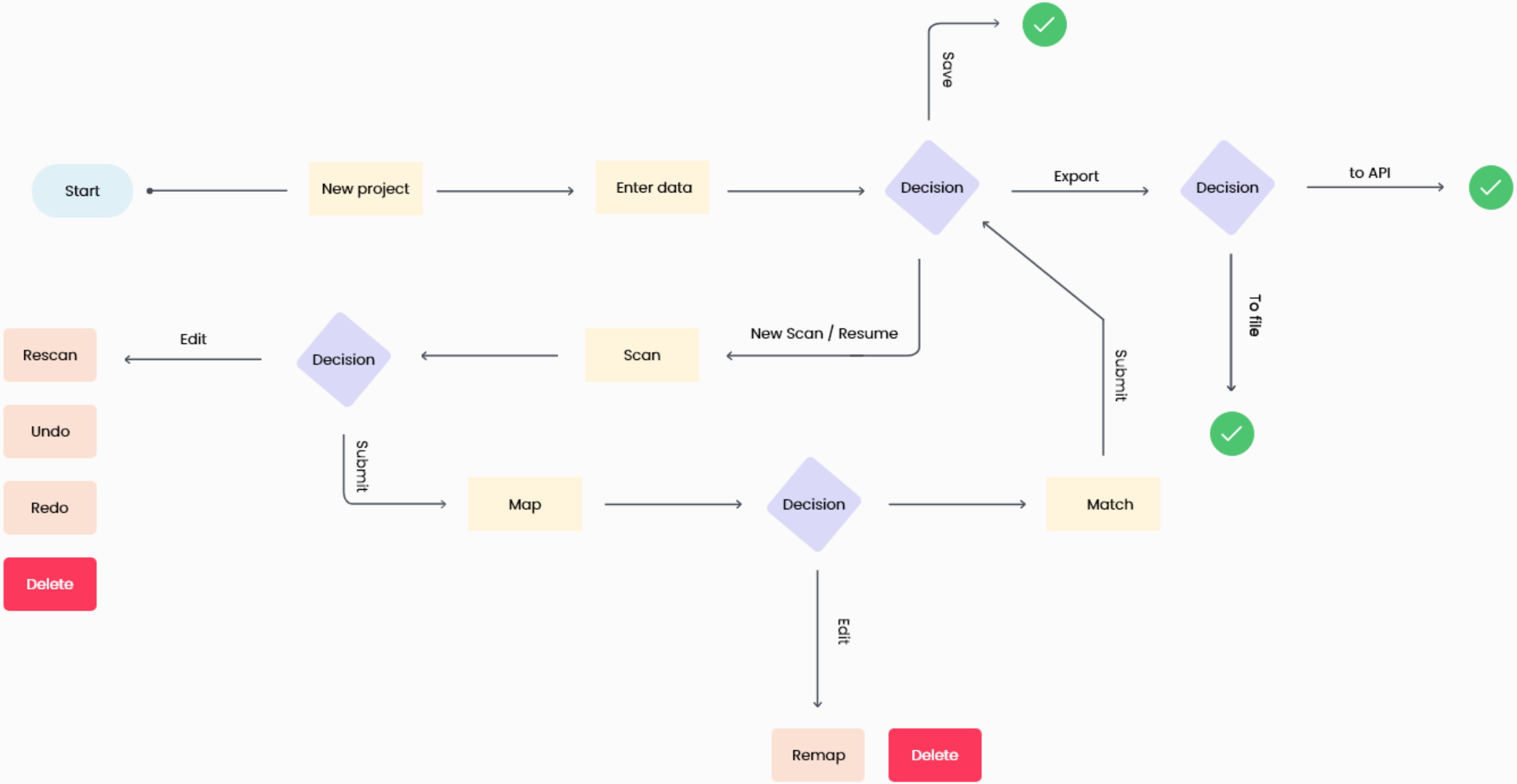
- Scan
- Map
- Coordinate system
- Segments VS full
- Data input
- Edit / merge / rescan
- Undo / Redo

Principles

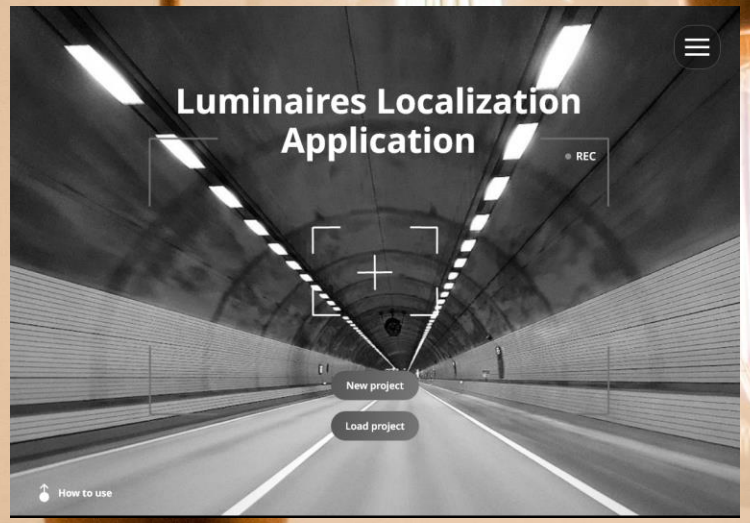
- Law of common region
- Law of proximity
- Miller's law
- Tesler´s law

User flow

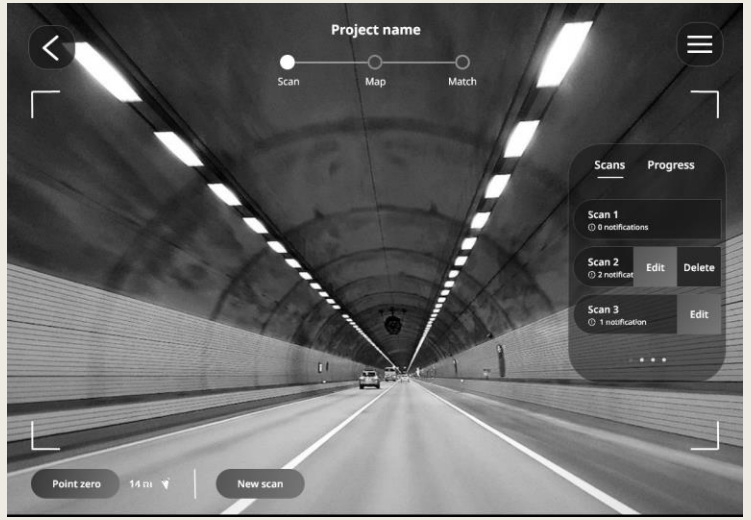
- Next page

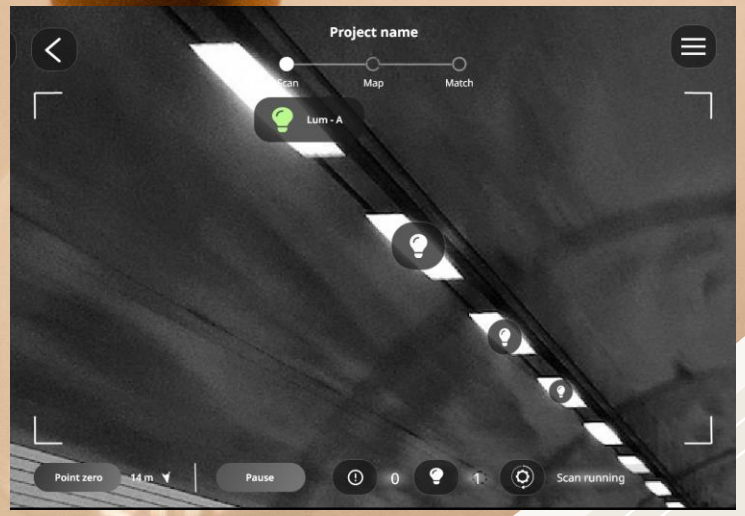

Start
New project
Enter data
Decision
Save
Export
Decision
to API
To file
Submit
New Scan / Resume
Scan
Decision
Edit
Rescan
Undo
Redo
Delete
Submit
Map
Decision
Match
Edit
Remap
Delete

prototype


Luminaires Localization Application
REC
New project
Load project
How to use

Tunnel setup
Input
Template
Download Config
Notes
N° Lights
0
Light Distance
0 m
Blink interval
0 sec
Light Height
0
Tunnel length
0
Upload config
REC
project name
Save project


Project name
Scan
Map
Match
Scans
Progress
Scan 1
0 notifications
Scan 2
Edit
Delete
Scan 3
1 notification
Edit
Point zero
New scan


Project name
Scan
Map
Match
Lum - A
Point zero
14 m
Pause
0
1
Scan running

Project name
Scan
Map
Match
Lum - A
Lum - B
Scan 7
Delete
Save
Resume
Options
x 143
y 22
Low luminosity
Lum - C
Lum - D
Point zero
14 m
1
4
Scan paused

Project name
Scan
Map
Match
Scan 1
Lights
245
Changelog
2
Notifications
0
Rename
Split
Merge
Undo
Redo
Delete
Point Zero
14 m
New Scan

future

Proposal to be sent to customer for consideration.

Additional iterations if project is picked up.

Thank you for
reading