Understanding the problem:

Context:

AutoPartsPro is a mid **size company**, they handle cars reparations and car part sales.

They require a portal to handle this two tasks.

They currently have some challenges with their business:

* Sometimes they have parts shortages
* Sometimes they have excess stock
* Needs for a way to optimize parts allocation for repair jobs

Observations:

* Excess stock could be measured in time dependency.
* Parts holding leads to cost
* This 3 pain points shall be a priority for the system to be designed

The requested system:

How does the system behave at a high level?

What I imagine is a