# About this specification

This specification is simply a starting point for the design of inventory 1.0. It is by no means the final blueprint. As work on this project progresses, I expect many changes and redefinitions because lots of things won’t work exactly as planned. I’ll try to keep this specification up to date as things change. This spec is a work in progress.

# Overview

This piece of software **allows people to organize, track and manage printer cartridges in small to medium businesses.**

Many companies all over the world use printers and therefore need cartridges. The supply of cartridges to this printers has to be continuous thus the need for a system to manage this supply.

This are the main functions of inventory

1. Add/Delete/Edit cartridge.
2. Add/Delete/Edit cartridge model.
3. Add/Delete/Edit cartridge manufacturer.
4. Add/Delete/Edit organizations
5. Add/Delete/Edit cartridge journal
6. Add/Delete/Edit status

This is a summary of how inventory works:

1. A new cartridge is added to the database.
2. As needed the cartridge is assigned to a department
3. If the cartridge is defective it is marked as defective
4. If the cartridge is empty it is marked as empty
5. Empty and defective cartridges are then refurbished
6. Then back to step 2
7. If a cartridge for whatever reason cannot be refurbished, It is marked as disposed

# ER diagram

