



Supplier Quality Management App

Application subjects to control

- ▶ Supplier certifications (standard and expiration)
- ▶ Supplier complaints
- ▶ Supplier score cards
- ▶ Payments / Subscriptions

Supplier certifications

- ▶ Supplier must be linked to Customer ID
- ▶ Must contain field for Supplier certification (ISO, IATF, etc.)
- ▶ Must have a field for certificate emission and expiration
 - ▶ Option to send notification to Main/User accounts if near expiration
- ▶ Could be used to link to a Social Network part where Customers can see their scores per several customers (but info of customers is hidden)
- ▶ Might be possible to add a list of suppliers by updating a list from excel (mostly used) and convert it to a JSON, and “addMany”



Supplier Complaints

- ▶ Must be linked to Supplier ID, Score ID and Customer ID (has it's own ID)
- ▶ Has to have 8 steps in industry standard problem solving 8D by sections
 - ▶ Define team
 - ▶ Define problem
 - ▶ Containment action (with due date field) -> (shipment, delivery of parts, etc.)
 - ▶ Root Cause analysis (field to upload the analysis, or to input)
 - ▶ Identification of Corrective actions (due dates)
 - ▶ Implementation/verification of Corrective actions (due dates)
 - ▶ Implementation of preventative actions (due dates)
 - ▶ Sign off of the customer/user for approval -> closure date
- ▶ All fields should have option to upload files (pdf, excel ...)
- ▶ And also could be possible to add scoring logic (e.g. quality of each step)

8D Approach | Problem Solving Steps

- D1 • Establish the Team
- D2 • Defining the problem or Problem description
- D3 • Containment/Short-term/Interim Actions
- D4 • Identifying & Verifying Root Cause
- D5 • Identify/choose Permanent Corrective Actions
- D6 • Implement Permanent Corrective Actions
- D7 • Preventive Actions
- D8 • Team Recognition

Supplier Score Cards

- ▶ Linked to Supplier ID and to Customer ID
- ▶ Must contain Deliveries on time
- ▶ Quantity delivered by period (monthly)
- ▶ Defects (Parts per Million)
- ▶ Complaints opened
- ▶ Complaints closed
- ▶ Output of pdf file to send to registered supplier account/download



Logic Design

- ▶ Accounts (roles):
 - ▶ MasterDev
 - ▶ Main/Admin (customer)
 - ▶ User (at customer side)
 - ▶ Supplier user (supplier of customer)
- ▶ Possible Schemes besides User:
 - ▶ Supplier
 - ▶ Complaint
 - ▶ ScoreCard
 - ▶ Report (contains all above, linked specifically to Supplier and Main/Admin/User)

Logic Design

- ▶ Possible pages:
 - ▶ Main page (just log-in, and brief introduction to app, with login/signup)
 - ▶ Main user page (dashboard with filters of 3 main sections),

What goes first?

- ▶ A starting point could be just Certification management, the next one in complexity is problem solving, and the top is the Scorecard.
 - ▶ Every starting point could have report section where user can filter (and even see graphs).
- ▶ The last to add could be the payment/subscription api.