

Providing solutions to keep track of cards for a global company

Industry:

Enterprise

The Client:

Our client is the company that develops connectivity Solutions Company providing high-performance, low-power multi-gigabit Ethernet products.

Every card received from the manufacturer may go through different stages like card receiving process, different test stages, inventory, reject & return to vendor, shipping of the cards etc.

This system was developed to track the flow of the cards from its inception from the manufacturer to its shipping to the customers by maintaining the information of the each and every card at each different stage.

Business Objective:

It is quite cumbersome to track the flow of each card without having an automated system. It is also difficult to find out the number of cards received from the manufacturer, no of cards passed/failed at different stages of test floor, no of cards scrapped/returned back to vendor due to some kind of defects and actual no of cards shipped to the client from the cards received from particular vendor. Hence, our main objective was to propose a solution to track the flow of the cards in different stages. Also we developed various modules of the system using agile methodology.

Solution:

We provided the solution to track the flow of the cards in different stages like Card Receiving Process, different test stages, inventory, reject & return to vendor, shipping of the cards etc. We designed many modules. Receive Cards is a module that helps operator to scan cards received from manufacturer using bar code reader one by one. The Reject & Return cards to Vendor module helps operator to mark defected cards as rejected and return to vendor. The Move Cards to Inventory module helps user to move cards to inventory after cards are passed all the tests in Test Floor and add them in inventory stock. Finally, the Ship Cards module helps user to perform certain checks like valid MAC address, firmware and eeprom are up to date etc and then shipping of cards to the customers.

Challenge:

The biggest challenge we faced during the development of the project was to accommodate the frequently changing client's requirement into the developed modules without losing the quality code or missing the timelines of the deliverables. Also there was not enough documentation on the requirements. The customer did not want us to follow the processes in detail hence we proposed to have processes tailored to their requirements.

Benefits:

- Introduced the **automated** Card Tracking System, which enabled the Client to **track the flow** of each card easily at the different stages of the supply chain.
- Helped client to **find** out number of **misplaced cards** at different stages.
- Helped client to **reduce the cost of supplier defects** by having a statistical data of recurring problems in cards received from particular manufacturer.

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Case Study

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