We have to create a report in which we can have the successful and failed card report detail.

For this purpose, we (Ashish and Fahad) discussed and finally reached to a conclusion that we will make this in the below steps:

1. Create a page to load all the card number and show its status.
2. During load time we will match the card number from two pages and update the result.
   1. Activity log database: **CardProduction** Table.
   2. NanoPerso Database: **Inv\_Production** Table.
3. Once page will be loaded a SP will be running that will check both table and show the output and update the NanoPerso Database: **Inv\_Production** Table.
4. I have used an unused field **Prime\_update** column which will be initially 0. Once the card has been printed in failure and success both cases column will be updated by 1 and when the page will be loaded next time it will ignore those records to match from the production table.
5. Below is a table of Activity log database: **CardProduction** Table in which a complete printing/Personalization successful cycle can be seen. Every Card printing will have these continuous lines for a successful card printing.
   1. Started printing of job
   2. Microchip
   3. Magnetic stripe encoding successful
   4. Card unloaded
   5. Finished printing of job

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Job Printing | Job Printing Start | Started printing of job | NULL | NULL |
| Card Printing | Card Encoding Status | Microchip encoding successful | B4285330000019801 | 4285330000019801=2012201141624100 |
| Card Printing | Card Encoding Status | Magnetic stripe encoding successful | B4285330000019801 | 4285330000019801=2012201141624100 |
| Card Printing | Card Printing Status | Card unloaded positive | B4285330000019801 | 4285330000019801=2012201141624100 |
| Job Printing | Job Printing End | Finished printing of job | NULL | NULL |

This Is a complete cycle of successful case.