



I own a multi-specialty hospital chain with locations all across the world. My hospital is famous for vaccinations. Patients who come to my hospital (across the globe) will be given a user card with which they can access any of my hospitals in any location.

### Current Status:

We maintain all customers in one database. There are heaps of customers who have user cards. So, I decided to split up the customers based on the country and load them into corresponding country tables.

To pull customers by country, my developers should know where all the Customer Data is available. So, the data extracting will be done by our Source System. They will pull all the relevant customer data and will give us a pipe delimited data file.

In design documents, you will have:

- File Name Specification – Name String, Extension of the files
- Date and Time format of the File – YYYYMMDD, HHMMSSST or any other format
- Control File Specification – Name String, Extension of the files
- Header Records Layout – |H|Customer\_Records|20131012|1245872|
- Details Record Layout – |D|John|123456|20101012|20121013|MVD|Paul|NSW|AU|06031987|A
- Trailer Record Layout – |T|10|

Detail records will tell you what data you are getting from source, what data type, is it mandatory or not and the length of the column.

File Position	Column Name	Field Length	Data Type	Mandatory	Key Column
1	Customer Name	255	VARCHAR	Y	Y
2	Customer ID	18	VARCHAR	Y	N
3	Customer Open Date	8	DATE	Y	N
4	Last Consulted Date	8	DATE	N	N
5	Vaccination Type	5	CHAR	N	N
6	Doctor Consulted	255	CHAR	N	N
7	State	5	CHAR	N	N
8	Country	5	CHAR	N	N
9	Post Code	5	INT	N	N
10	Date of Birth	8	DATE	N	N
11	Active Customer	1	CHAR	N	N

- The sample file format will be:  
|H|Customer\_Records|20131012|1245872|  
|D|Alex|123457|20101012|20121013|MVD|Paul|SA|USA|06031987|A  
|D|John|123458|20101012|20121013|MVD|Paul|TN|IND|06031987|A  
|D|Mathew|123459|20101012|20121013|MVD|Paul|WAS|PHIL|06031987|A  
|D|Matt|12345|20101012|20121013|MVD|Paul|BOS|NYC|06031987|A  
|D|Jacob|1256|20101012|20121013|MVD|Paul|VIC|AU|06031987|A
- You need to load the data into tables, one table per country

## Technical Assessment: Deliverables

1. Create table queries
2. And any script or program which reads the data from files

Once you submit, we will review the deliverables and will reach out to schedule an interview if we like your approach. If we do move forward, we will like to see a demonstration of your working script/program during the interview.

We look forward to getting your repo back on [lifi@incubyte.co](mailto:lifi@incubyte.co) and if you have questions at any time, please feel free to send a message or call us on +91-98241-11764

To know more about the company, check out: <https://www.incubyte.co>