**Upload CSV**

**Problem Statement:**

You are provided with a csv file containing medicines details.You need to upload the data from the file to the database (preferably MYSQL or MongoDB) and expose few RESTful APIs from the web application to interact with the medicines.

The file contains following columns:

1.c\_name : Name of the medicine

2.c\_batch\_no : Batch Number of the medicine

3.d\_expiry\_date : expiry date of that batch of the medicine

4.n\_balance\_qty : stock quantity of that batch of the medicine.

5.c\_packaging: packaging of the medicine

6.c\_unique\_code: unique Code specific to this medicine.

7.c\_schemes : Scheme of the particular batch of the medicine.

8.n\_mrp : MRP of the medicine

9.c\_manufacturer: manufacturer for the medicine

11.hsn\_code : HSN no. of the medicine

You need to create a web application using SpringBoot framework and expose following RESTful APIs:

1. **/uploadCSV**: This api should take the csv file as input and update the database with the medicines.
2. **/searchMedicine** : This Api should take the search string as a requestParm and it will return most matching medicines as the response.

Eg: if a customer types “STATOR” it should return “STATOR 10MG (15'S)”, “STATOR CV 20MG TAB”.

Input : keyword string

Output : list of name of medicines matching the keyword

1. **/getMedicineDetails**: This API should return the details of any medicine from the Database based on the id.

Input : c\_unique\_id

Output : Medicine complete details. Details must include unique\_code, name, manufacturer, packaging, hsn no, mrp, total stock quantity and all batches specific informations like batchno, expiry, quantity, schemes (if any),

1. **/placeorder** : This api should place an order for a list of medicines. Input for the api should be a list of json objects. Format of json object is mentioned below:

{

“c\_unique\_id”:XXX,

“quantity” ; 10,

“c\_name”: XXXX

}

This api must return a unique order\_id for the order placed.