**Toy Story**

Here my project starts for donating used toys to under privileged children.

I know it will be a pleasant journey for me. I am eagerly waiting to see that smile on a little child when I gift a donated expensive toy, whose parent cannot afford to buy it.

I am looking for donors who can donate their toys to underprivileged children.

Destiny has chosen your child to be born in your family so he can play with toys which millions of kids born in a poor family cannot afford. To bring a smile on the faces of these innocent poor kids is all my effort for.

I develop a system wherein you can trustfully donate toys you are willing to donate. My system will be as transparent as it can. I intend to operate a frontend and backend service.

The frontend service is for receiving donation requests.

The backend service is for stocking, refurbishing and distributing.

There are 3 players in this system viz., the donor, the admin and the receiver.

The internet based system is mainly for the interaction for the donor and admin. Admin is supposed to keep the functioning as transparent as possible, so that we build a trust. Overall this IT system is a Non-Profit organization.

The interaction with the system involves as first step for a donor is to register itself. So that they can track their donated goods.

There will be forms of registration as common service. This will be called by donor microservice.

We will be having 3 microservices viz., registration, donor and admin.

The donor microservice will take care of requesting toys pickup.

The admin microservice is responsible for confirming reception of toys.

The registration microsevice is responsible for registering donors and other roles.

The form for donor after registration will contain number of items they are willing to donate, and then can see their request being processed.

A pickup service will be arranged for them. Once they arrive at the store room the status of the toys donated changes to received.

Now judgement is made whether these toys need repair. If it requires repair, then it is send to the workshop. After enough collection is made then a poor locality is found and the toys are distributed to the local school or given to individual kids.

There will be additional information to describe about poor locality.

Socio-economic status of the states around India.

This website aspires to do more for poor and down trodden.

Technical discussion. Every microservice will point to one db. Hence every microservice will contain the configuration of the db. I plan to use docker for myself connection before I move to production. The db script will be written using Liquibase.

The first entity will be the donor.

For db connection on docker,

If you choose to use docker to run your local databases you can do the following steps:

1. Install docker (Configure it to use windows containers)
2. Pull the mssql development image using the command:

docker pull microsoft/mssql-server-windows-express

1. Run the command:

docker run -d -p 1433:1433 -e sa\_password=Aa@123 -e ACCEPT\_EULA=Y microsoft/mssql-server-windows-express

1. Change the ip:port part of the database URL in the application.properties to 127.0.0.1:1433
2. To stop the running image use the command

docker stop <container-id>

you can get the container id by running the command:

docker ps

Note that you cannot run a mysql image on windows operating system. Also, you cannot run a mssql image on linux based system.

For this we will change the configuration file depending on the operating system.