Insurance Data Structure

Schema List:

|  |  |
| --- | --- |
| **Field name** | **Description** |
| claim\_id | Claim Id |
| customer\_id | Customer Id |
| customer\_name | Customer Name |
| Customer\_age | Customer Age |
| agent\_id | Insurance Agent Id |
| agent\_name | Insurance Agent Name |
| claim\_category | Claim Category (Dental, Vision, Medical, Life, etc) |
| amount | Claim Amount ($) |
| reason | Reason for Claim |
| agent\_rating | Customer rating for their respective agent |
| datetime | Date and time when the claim is filed |
| country | Customer Country |
| state | Customer State |
| approval | Reimbursement Approved or Denied (Y=Approved. N=Denied) |
| reimbursement\_id | Reimbursement Confirmation Id |
| failure\_reason | Reason for reimbursement failure |

Customers

Customer ID | Customer Name | Customer Age | Clam ID| Customer Country | Customer State | Agent Rating

Claims

Claim ID | Claim Category | Amount | Reason | Customer ID | Agent ID | Approval | Reimbursement ID | Failure ID

Agents

Agent ID | Agent Name| Customer Name : Agent Rating|

**Claim Categories:**

Keep as a string

Dental, Vision, Medical, *Life*

**Reasons**

Keep as a string

If Its Dental

* 6 months check up
* Crown
* Cavity

If its Vision

* Annual check up
* Emergency visit

If its Medical

* Annual check up
* Emergency Visit
* Prescriptions

Life

* Death
* Dismemberment

**Code Ideas**

Names

For a String => String is “John Smith”

Split string on ” ”

word a is First name

word b is is Last name

State/Country

Put all State/Country into a set

State/country b is = state/country set

for a in list = state/country b

Create Data

Random generate Data sets as a Tuple insert Tuple into Insurance Claim.

Claims