* state data

1. States: [“No claim”, “Registration”, “Claim investigation”, “Policy review”,” Damage Evaluation”, ”Claim approve”, “Claim”]
2. State:0
3. Name: “”
4. Policy Number: “”
5. Vehicle: {make: “”,year:””, registration:””, licence plate number:””}
6. Accident Date:””
7. Time:””
8. Location: “”
9. Extent of injuries:””
10. Number of passengers involved:””
11. Extent of damage to the vehicle:””
12. Accident Description:””
13. Names of the drivers:””
14. Driver’s licence numbers:””
15. Name of the insurance companies:””
16. Auto insurance policies of all drivers involved:””
17. Name of the investigating officer:””
18. Batch number of the investigating officer:””

* Identify the transition functions

Transitions

1. SubmitClaim(Name,PolicyNumber, DriverSLicenceNumber, LicensePlateNumber)
2. Incomplete (Name,PolicyNumber)
3. Rejected (Name,PolicyNumber)
4. Approved (Name,PolicyNumber)
5. Claim((Name,PolicyNumber)

Functions

SubmitClaim

(Name,Policy Number,Vehicle: {make: “”,year:””, registration:””, licence plate number:””},Accident Date,Time,Location: Extent of injuries, Number of passengers involved, Extent of damage to the vehicle, Accident Description,Names of the drivers,Driver’s licence numbers,Name of the insurance companies,Auto insurance policies of all drivers involved,Name of the investigating officer,Batch number of the investigating officer)

SubmitToPolice(Name,Policy Number,Vehicle: {make: “”,year:””, registration:””, licence plate number:””},Accident Date,Time,Location: Extent of injuries, Number of passengers involved, Extent of damage to the vehicle, Accident Description,Names of the drivers,Driver’s licence numbers,Name of the insurance companies,Auto insurance policies of all drivers involved,Name of the investigating officer,Batch number of the investigating officer)

ClaimInvestigation (Insurance Company, Investigating officer)

PolicyReview(Insurance Company, Investigating officer)

DamageEvaluation(Insurance Company, Investigating officer)

ApproveClaim(Name, PolicyNumber)

RejectClaim(Name, PolicyNumber)

* Identify roles

SubmitClaim(Name,Policy Number,Vehicle: {make: “”,year:””, registration:””, licence plate number:””},Accident Date,Time,Location: Extent of injuries, Number of passengers involved, Extent of damage to the vehicle, Accident Description,Names of the drivers,Driver’s licence numbers,Name of the insurance companies,Auto insurance policies of all drivers involved,Name of the investigating officer,Batch number of the investigating officer)

) – Policy Owner

SubmitContract(Name) - sales agent  CheckContract(Name, Credit, Phone) - system/manager

○  Incomplete(Name,Policy Number) - system

Rejected(Name,Policy Number) – Insurance company

Approved((Name,Policy Number) – Insurance company

CheckStatus(Name,Policy Number) – Policy Owner/Insurance agent/system/Insurance manager