

MIGRANT WORKERS TRACKING SYSTEM

Kerala is witnessing large inflow of migrant labour from different parts of country in recent years. Though labourers from state as far as West Bengal, Bihar, Uttar Pradesh and Orissa now flock to Kerala. Higher wages for unskilled labour in the state, large opportunities for employment and shortage of local labour, paradoxically despite the high unemployment rate in the state, led to the massive influx of migrant labours to the state.

The system provides a facility for migrant labours to register with the state authorities would be engaged for work in the construction sector. Construction sector employs large number of migrant labours in the state. Seeking to address their issues properly and know about their whereabouts, the government is planning to engage registered labours only in the sector. The government has also introduce a safety plan to ensure the rights of labours are not violated in view of complaints about poor working conditions and mishaps on construction sites. As per the plan, builder should submit a safety plan along with the building plan to get sanction for construction.

The Police has started audit of migrant workers using their ID cards. The rising rate of crimes with many of them attributed to the growing number of migrant workers has made their acceptance in to the local community harder. Thus this system provides a facility to ensure the rights of migrant labours as well as help to track them if they were involved in a specific crime.

The system contains 5 actors such as Admin, Agency, Job providers, Department, Workers. The admin control the entire system. He can add agencies, department, etc. The agency can recruit labourers. The job providers can register employees, provide insurance scheme for labourers, issue details of labourers to Police station, issue a safety plan for labourers etc. The labourers has a facility for complaint, report any problems occurred in a specific labours camp, receive the benefits of insurance etc.

Introduction

There are many factors those are attracting migrants to Kerala. The factors are like poverty, unemployment, density of population, bad yield from agriculture, low demand of workers etc.

Kerala provide better employment opportunities, better life standard , high wages compared to other states, lesser communal clashes, high health indices, provision of education for children are attract migrants to Kerala.

The proposed system has much more social relevant in the current situation. Because the rising rate of crimes those are associated with migrant workers. During the last 5years approximately 1770 cases registered in the state in which migrants were accused. Drug trafficking , fake currency, robbery are major cases involving migrants , while there were brutal murder cases also in which migrants were involved.

The proposed system provides a greater environment for managing the workers in an efficient way as well as ensures their safety plans in an accurate manner by associating different departments through this system.

Existing system

The existing system provides to store only the details of migrant workers in the Police station. The existing system is partially computerized. There is no centralized department to track and control the migrant workers efficiently.

Proposed system

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The proposed system contains a centralized department to track and control the migrant workers efficiently. There are many factors those are attracting migrants to Kerala. The factors are like poverty, unemployment, density of population, bad yield from agriculture, low demand of workers etc. Kerala provide better employment opportunities, better life standard , high wages compared to other states, lesser communal clashes, high health indices, provision of education for children are attract migrants to Kerala.

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This system will help the various government departments to co-ordinate and control the migrant workers in an efficient and effective manner. The system provides a facility to store the entire details of workers in the Police department. It will help to the Police department whether they will involve in any crimes.

Now the Kerala government is considering the literacy program for the migrant workers. Although a large number of the children of migrant workers are enrolled in government schools, the state education department has opened schools for the children of migrant workers under Sarva Shiksha Abhiyan. The Police has started audit of migrant workers in Kerala, through which biometric details have been captured and ID cards issued. In 2016 a new insurance scheme called Awas was launched to provide social security to the migrant workers and also to act as their database & registry as the crimes involving migrant workers are also rising along with the population.

Kerala currently offers free health care for each migrant worker and is planning legislation to address migrant workers issues. The proposed system facilitates a better insurance scheme and health policies for the workers. Thus the insurance scheme claim is provided for each worker those were involved in critical jobs. It consists of accident claim, medical claim, death claim etc.

Processes

- 1. Labour Commission of India**
- 2. QR Code Implementation**
- 3. Agency**
- 4. Police Station**
- 5. Salary calculation**

- It depends up on the type of job, age of the person, no. of working days, time duration, qualification etc.
- The salary issued for labourers are decided by the agencies because it is depends up on the native place of the labourer.
- Some percentage of salary is deducted by the agencies from labourers as their profits.

- 6. Report generation**

- It deals with different types of reports such as medical report of the labourers sent by the agencies to job providers.
- Previous history of labourers such as whether they were involved in any crimes those are sent by the agencies to the Police department.
- Medical reports of labourers that are frequently conducted by the health department.

7. Complaint management

- The labourers can complaint to the Police department whether their rights are violated.
- The job providers can complaint to the Police department whether any labourers involved in any crimes.

8. Job allotment

- The job allotment process is depends up on the type of job, age of the person, the qualification of labourer etc.

9. Insurance scheme

- The insurance claim is provided for all the labourers those were involved with critical job.
- It consists of accident claim, death claim, medical claim etc.

10. Crimes history management

- It is the main responsibility of the Police department to record the details of crimes associated with migrant labourers that should be needed for future purpose.

11. Current location & labourer identification

- It should be necessary to identify each labourer in an appropriate manner, and also the labourer should update his current location to the Police department.

12. Frequent labourer treatment

- It should be necessary to conduct the medical check-ups for labourers, because it will help to identify the labourer those are physically unfit, or those were affected by any spreading diseases.

Module Names

1. Labour commission

- **Verification**
- **Worker Details Passing**
- **Report passing**
- **WPC generation**
- **PCC checking**

2. Agency

- **Worker registration**
- **Report verification**
- **Salary**
- **Attendance**
- **Insurance**
- **Card Downloading**
- **Re-registration**
- **Notification checking**

3. Workers

- **Salary checking**
- **Insurance claim**
- **Attendance view**
- **Complaint**

4. Police Station

- **Report generation and passing**
- **Communication**
- **Registration**
- **Request checking**

5. Insurance Agency

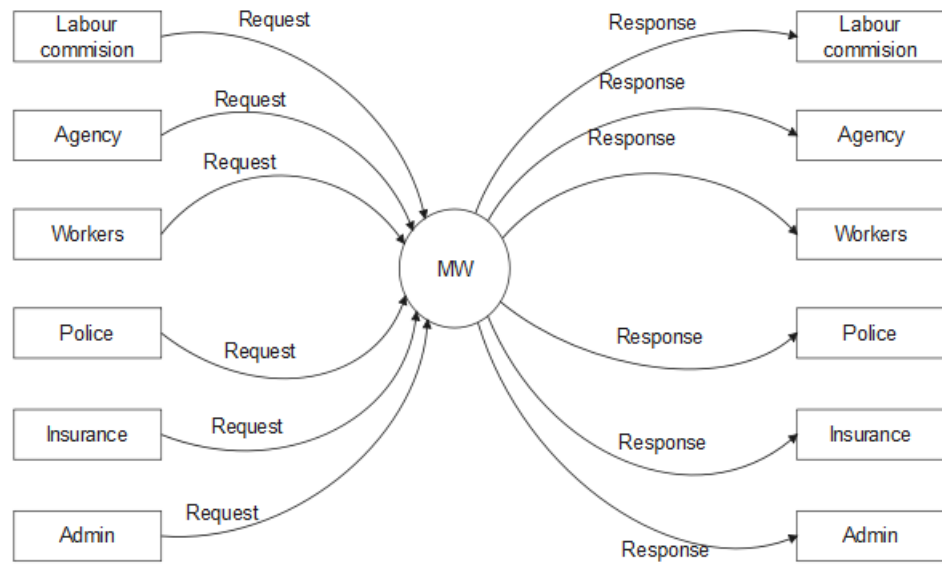
- **Application checking**
- **Scheme adding**
- **Registration**
- **Payment passing**
- **Communication**
- **Details verification**
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6. Admin Module

- **Station handling**
- **Insurance agency handling**
- **Agency handling**

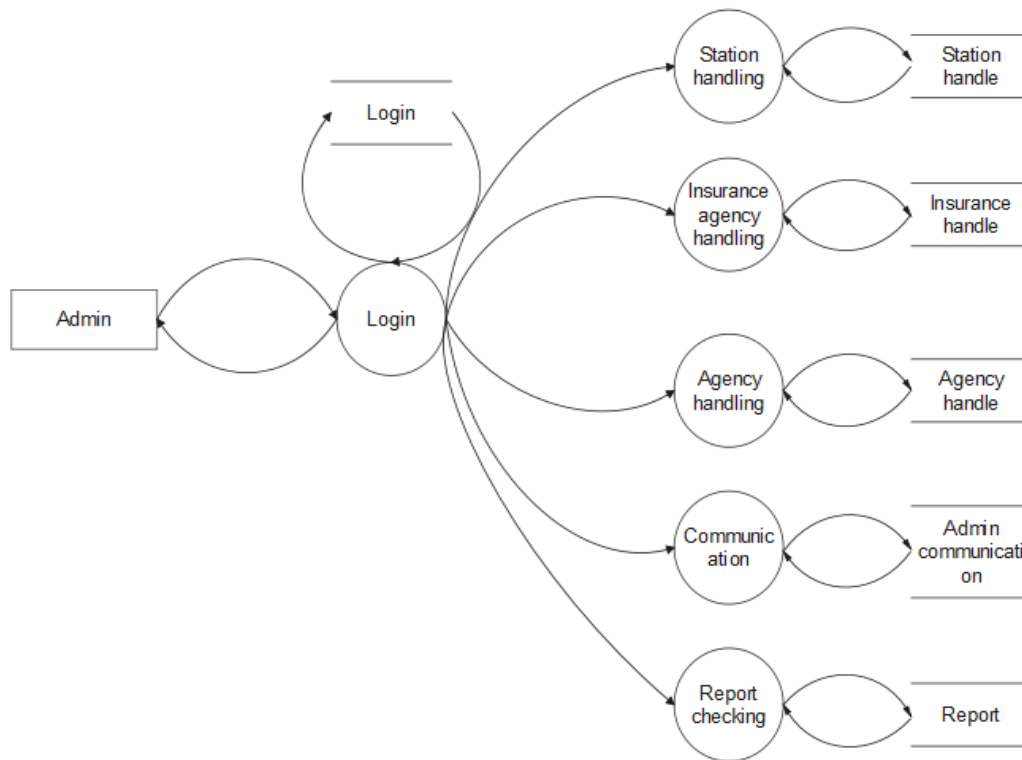
- **Communication**
- **Report checking**

DATA FLOW DIAGRAM



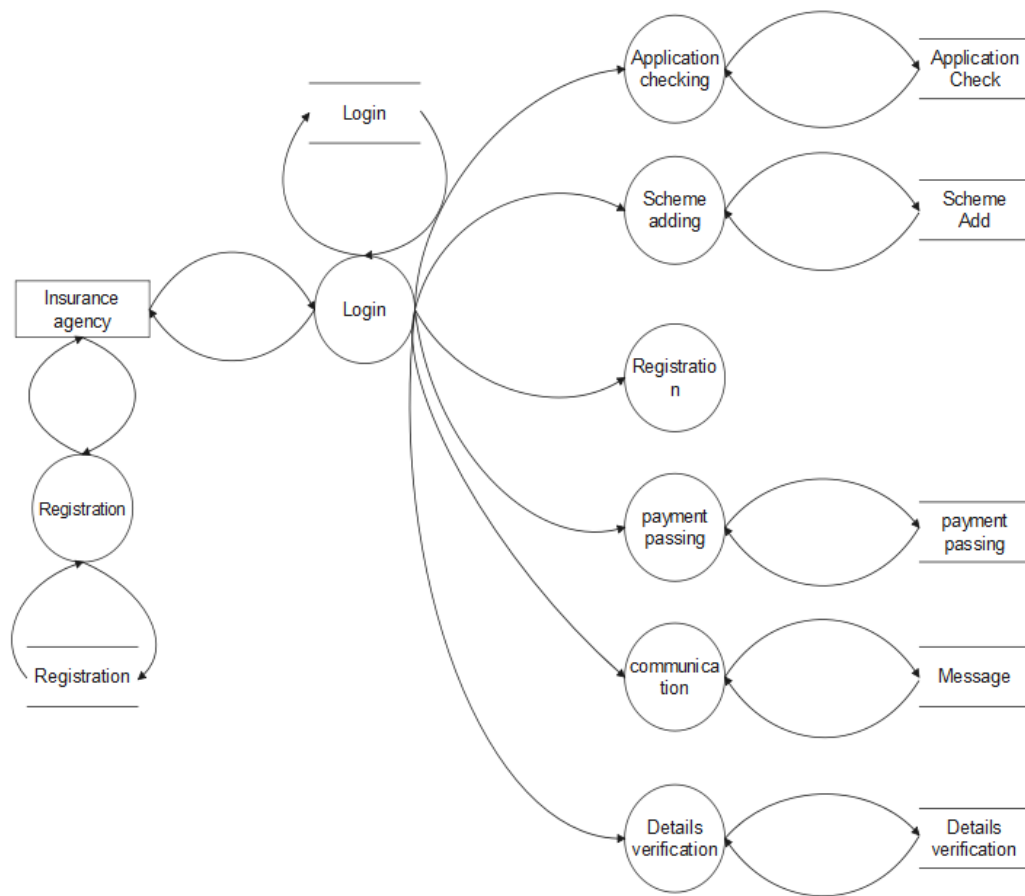
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ADMIN



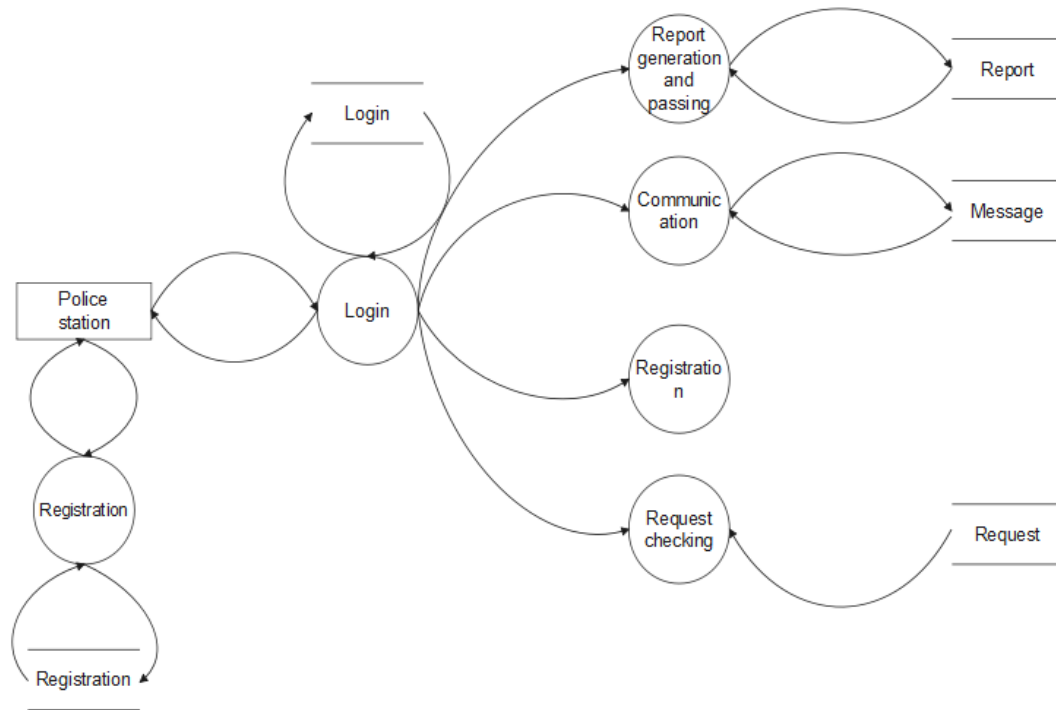
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INSURANCE AGENCY



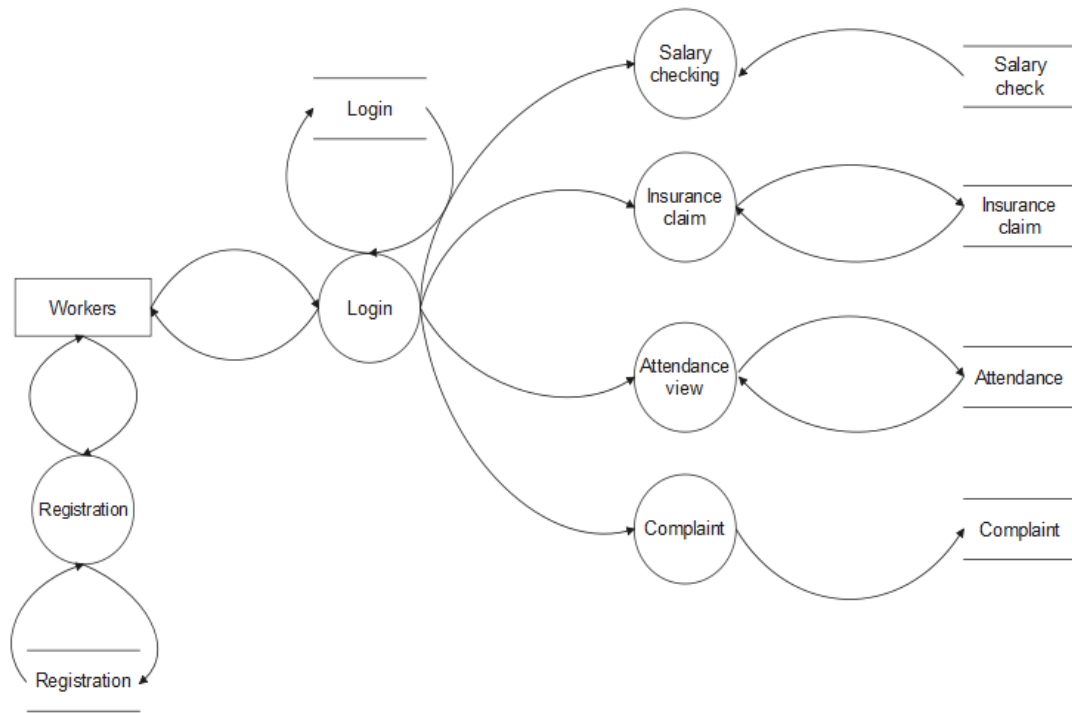
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POLICE STATION



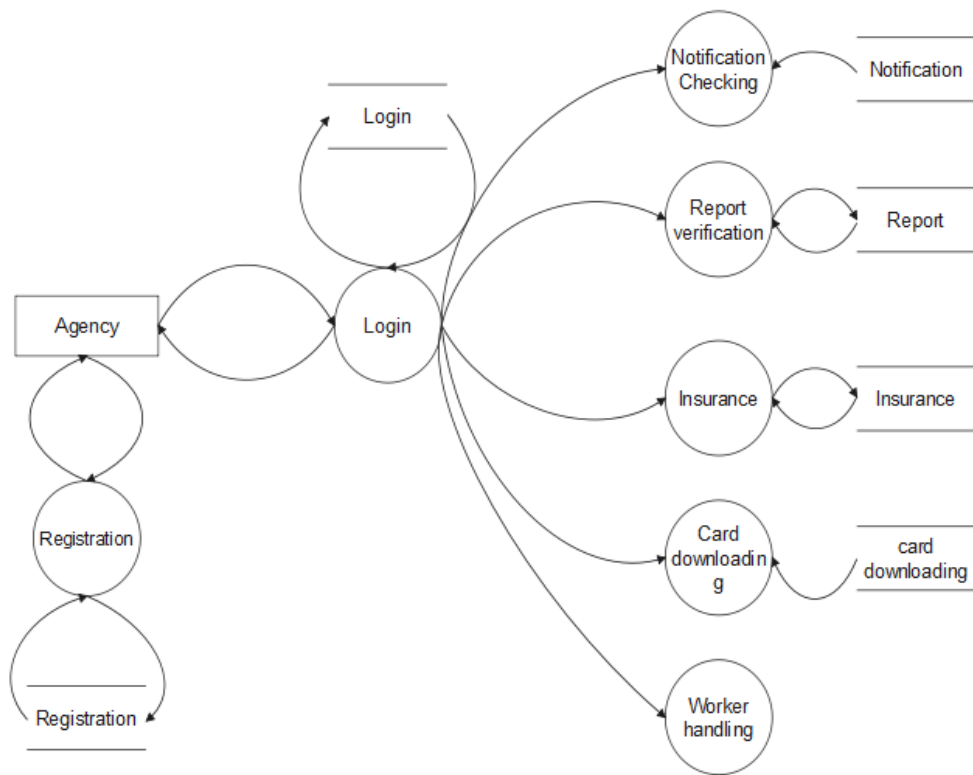
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WORKERS



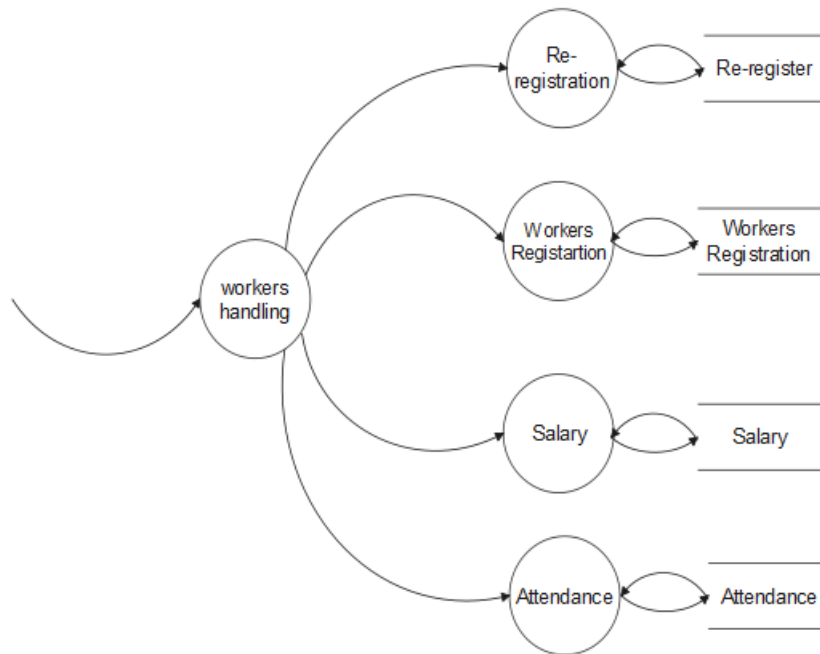
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AGENCY



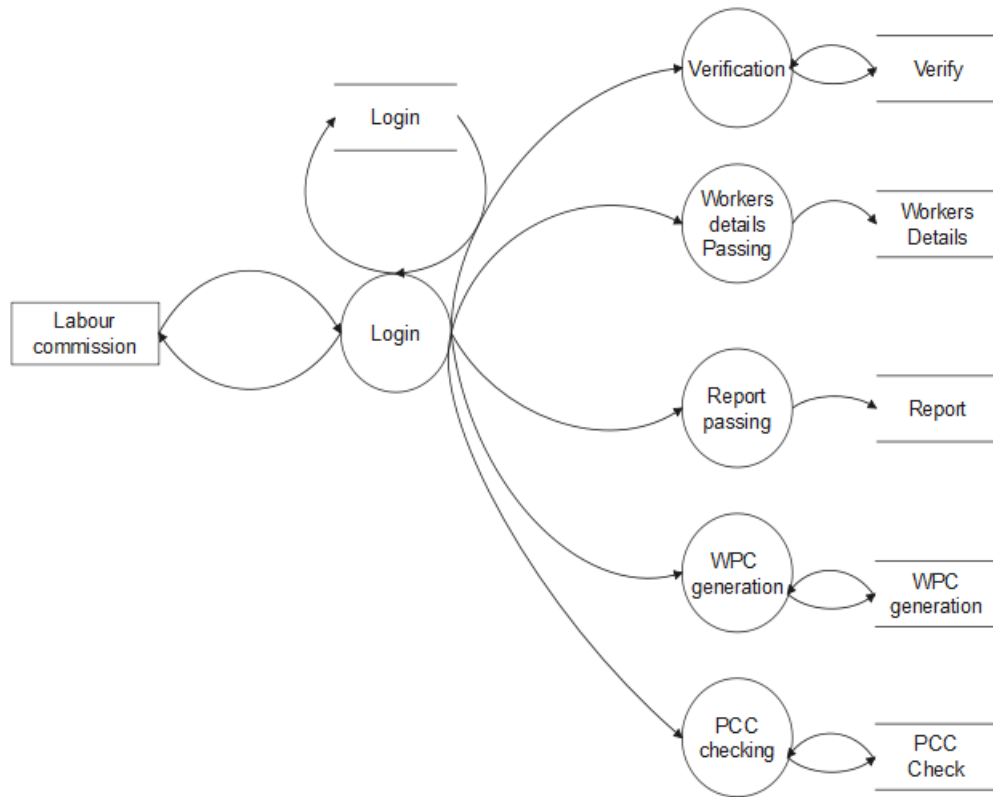
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AGENCY 1.1



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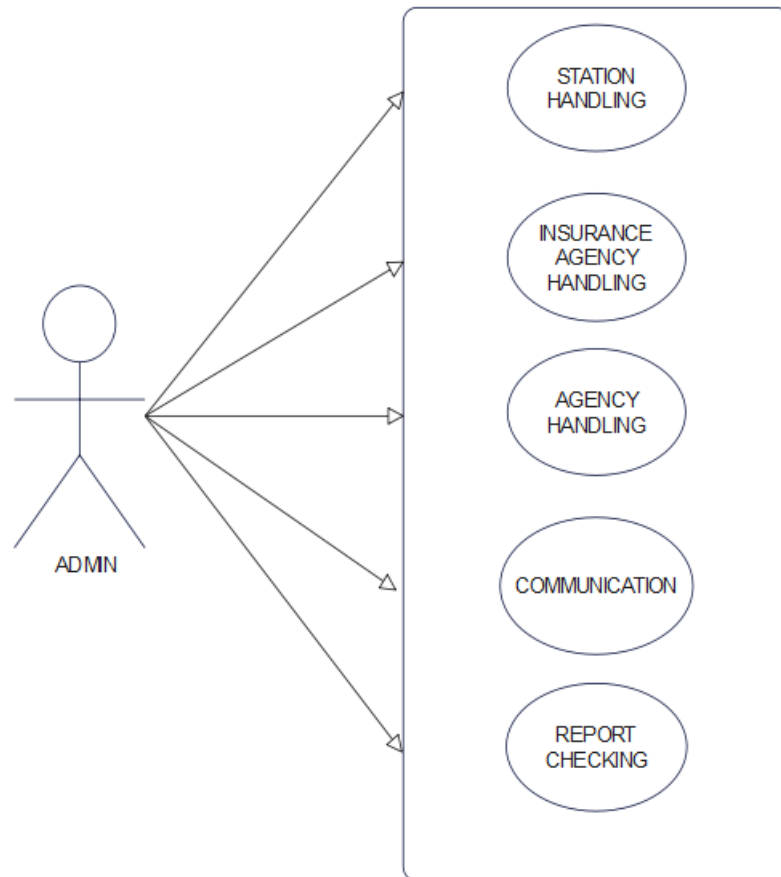
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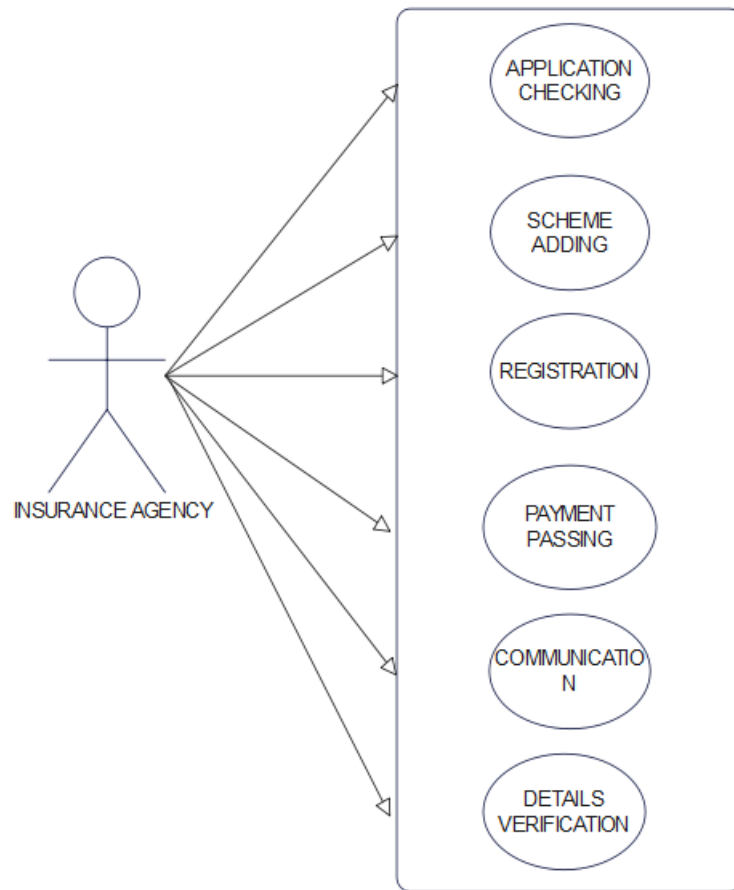
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UML DIAGRAM

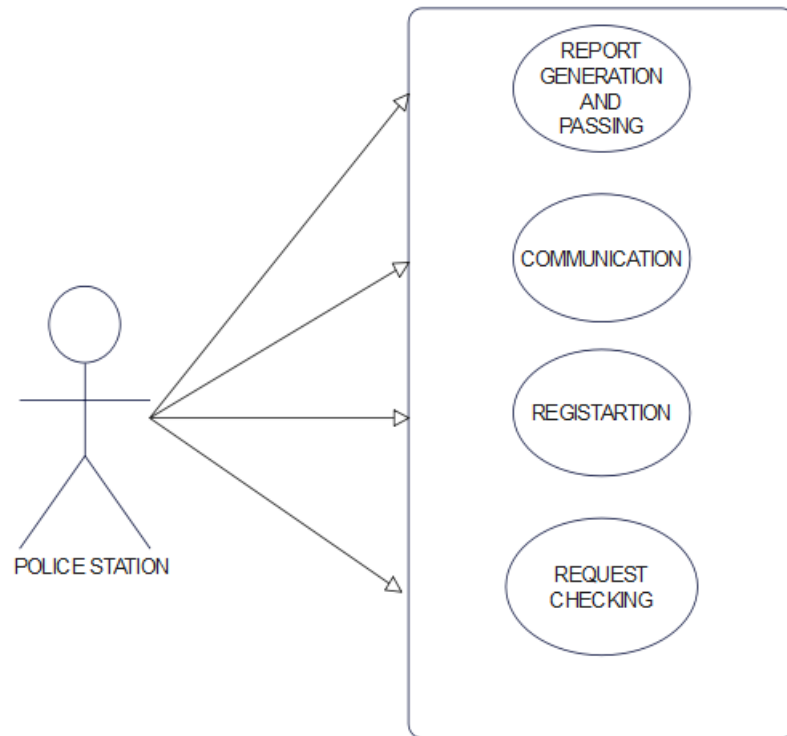
ADMIN



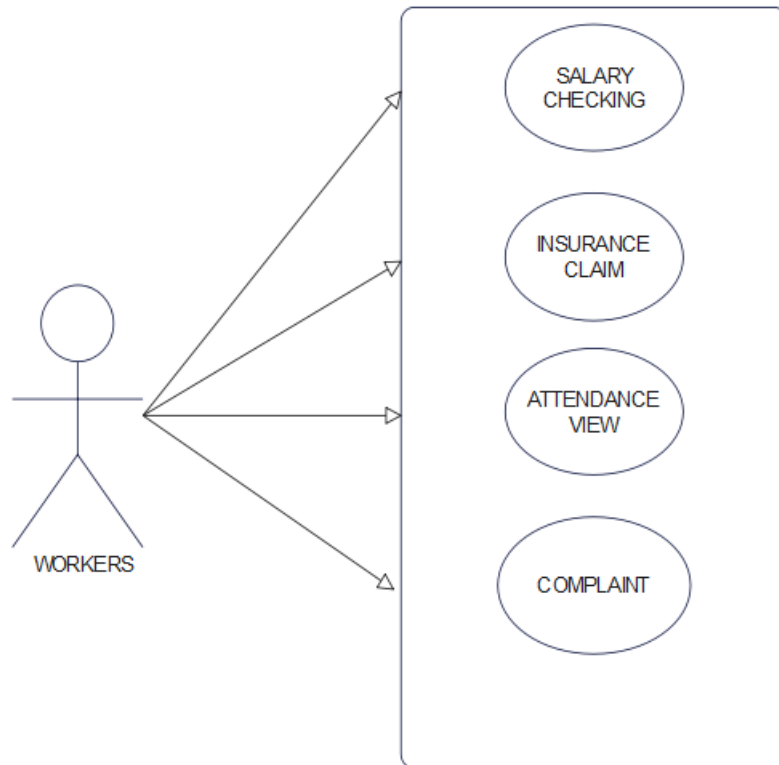
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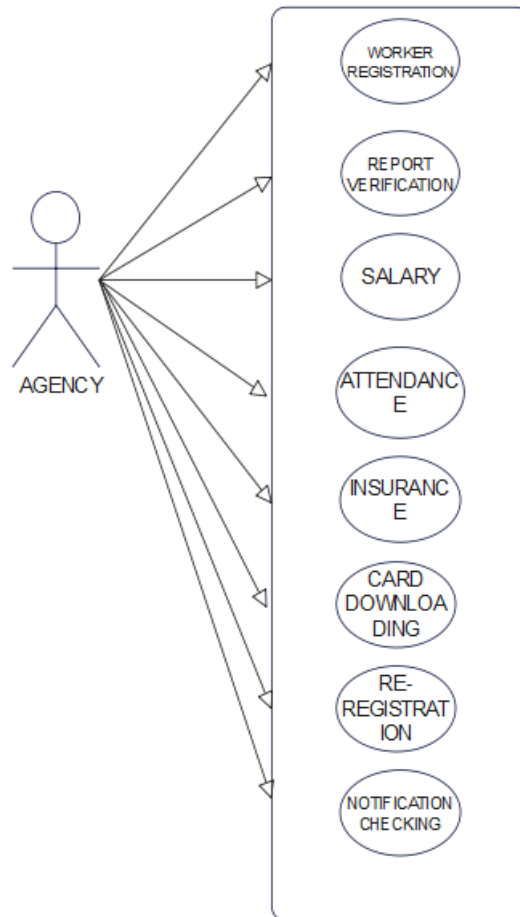
POLICE STATION



WORKERS



AGENCY



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