

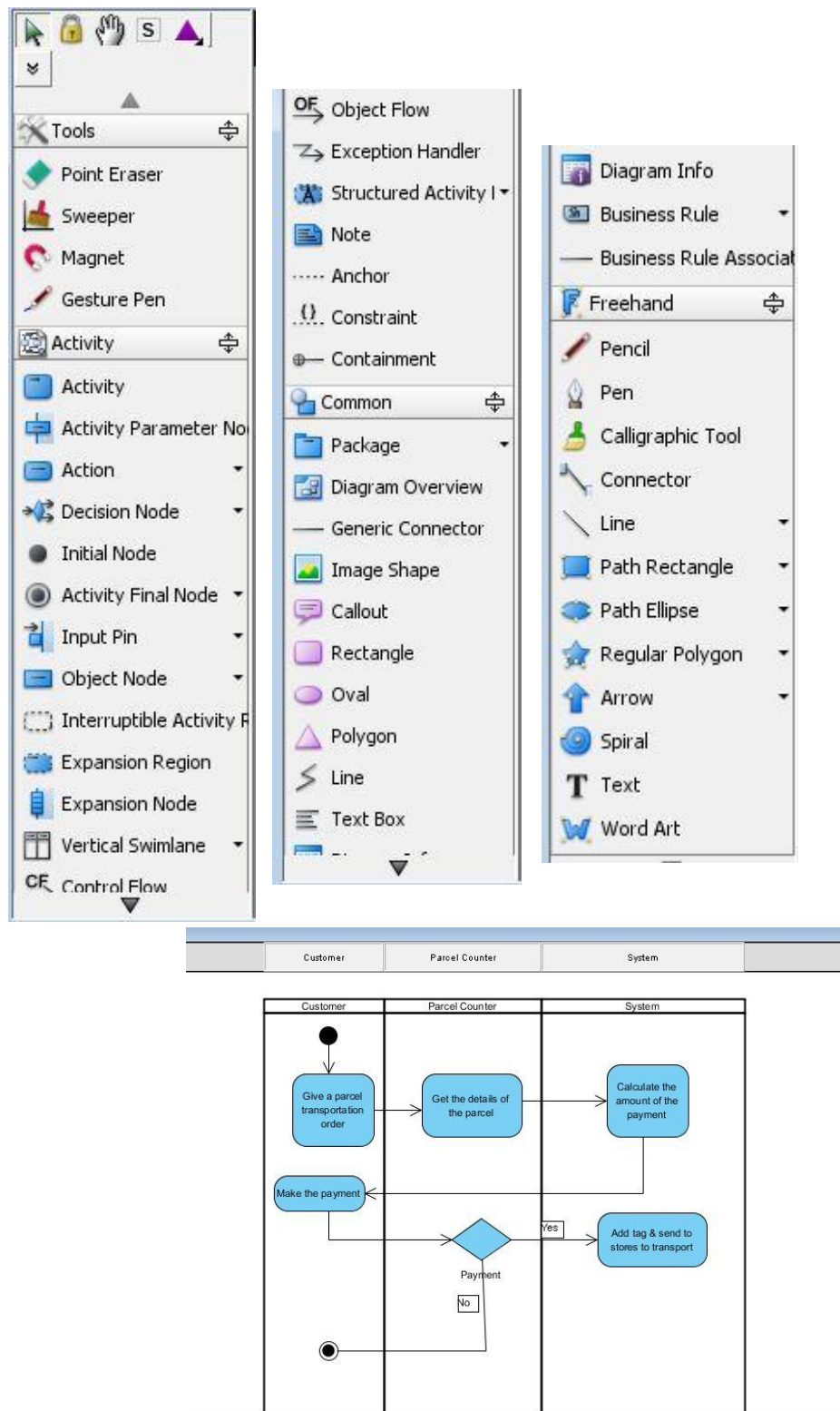
## CyberZone Software Solutions



Project: **Software System for Sri Lanka Railway Department**  
Practical no.4: Work Flow Diagrams

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Our team decided to use the same tool – Visual Paradigm, which we used to design our previous diagrams. This tool is very easy to use and gives sufficient functionalities especially diagram tools. So this tool is very effective to draw and manage workflow diagrams properly. In 'Violet' tool there is no way to draw swimlanes, but in Visual Paradigm we can do it. So it helps to draw our activity diagrams more efficiently by separately drawing our stakeholders. Below pictures show the diagram tools which are available in Visual Paradigm and a view of a diagram which we can design through this tool.



In our system we have identified four main work flows.

- 1) Deal with customer to reservations, parcel and goods transportation etc.
- 2) Operations in yards such as engine repairs etc.
- 3) Operations in each railway stations such as signalling, track repairing etc.
- 4) The central operations controlling system

We have recognized these main work flows because each process gives huge contribution to the Sri Lanka Railway and acts main part of it.

The reservations, parcel and good transportation is one of the major processes in Sri Lanka Railway. These activities are done with directly deal with customers including Sri Lanka Petroleum Cooperation, Sri Lanka Post etc.

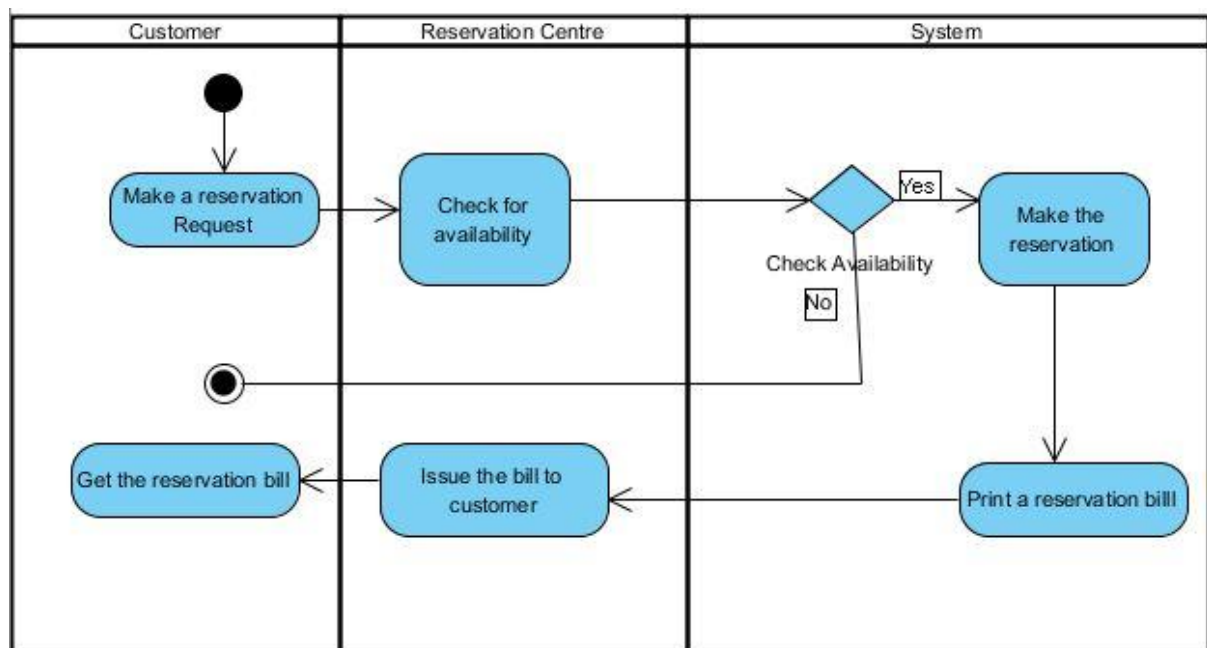
The yard is the place where manage all repairs and maintenance of a train. So it is a more important place to Sri Lanka Railway because operations in such yards are directly affect whole train travelling system in Sri Lanka.

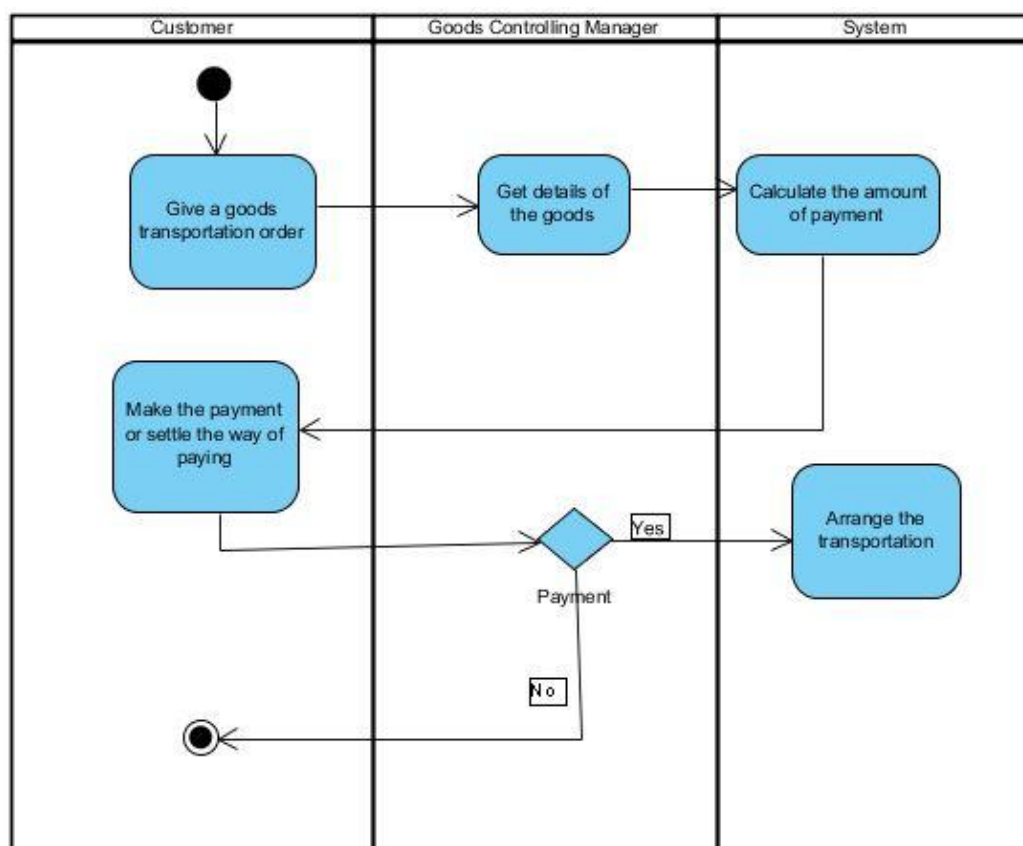
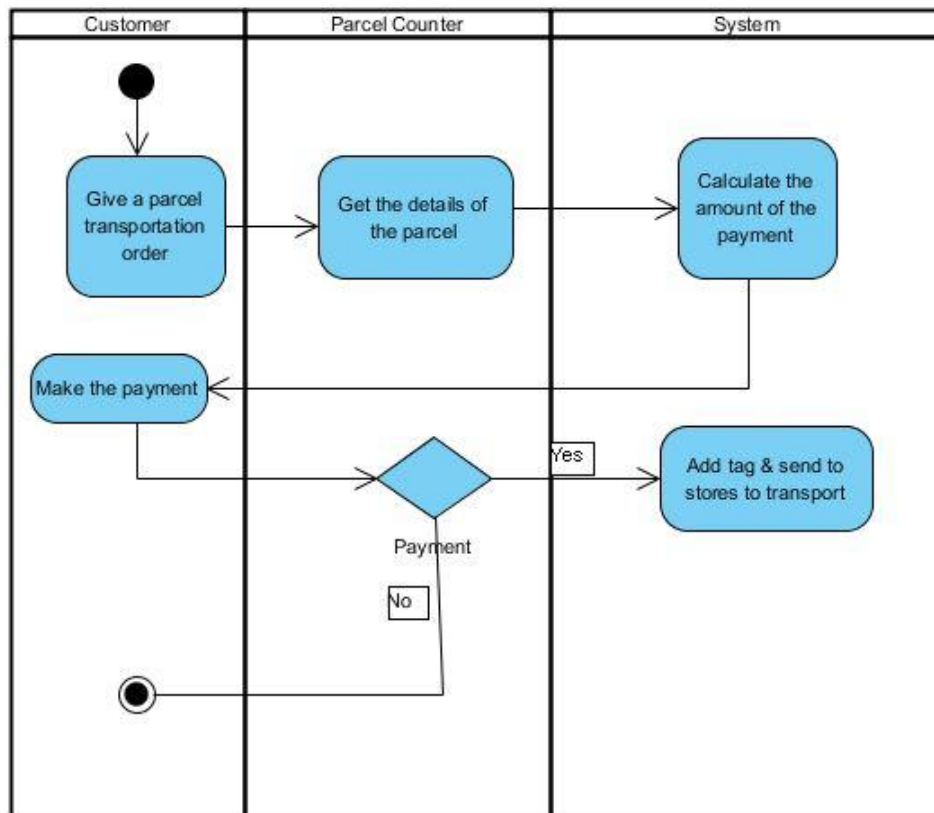
Manage the processes in each and every railway stations in Sri Lanka, is also a more important process. Give correct and quick signals to trains, maintain railway tracks properly, give correct information to people about trains etc.

The central operations controlling system is the place where all above related processes are combine together. It coordinates all processes between all stations and yards in Sri Lanka. It also has information about each and every worker in Sri Lanka Railway. So it also manages to allocate workers(drivers, guards, labours, etc)

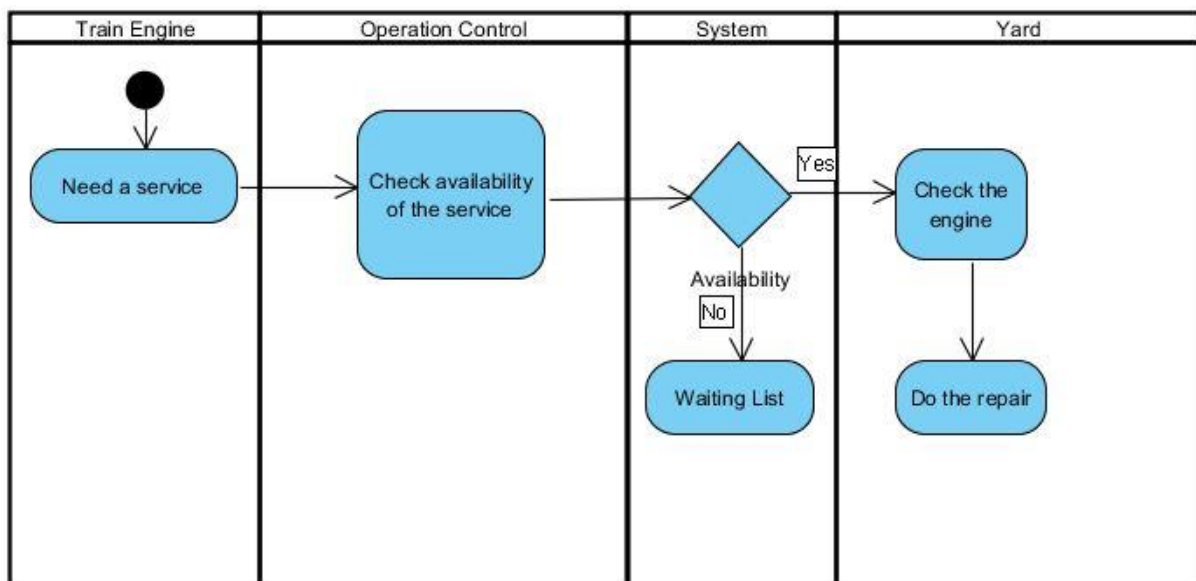
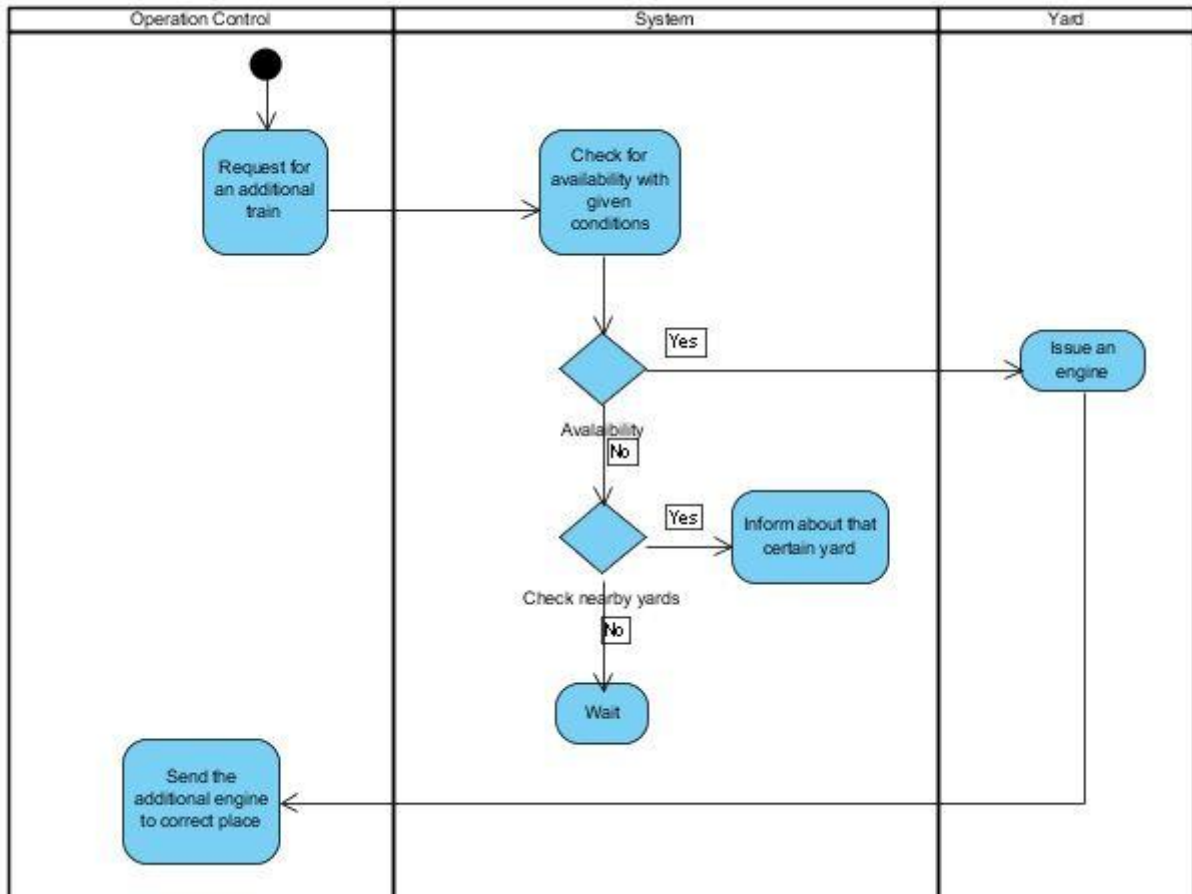
So below activities diagrams show each process in Sri Lanka Railway.

#### Dealing with the customer

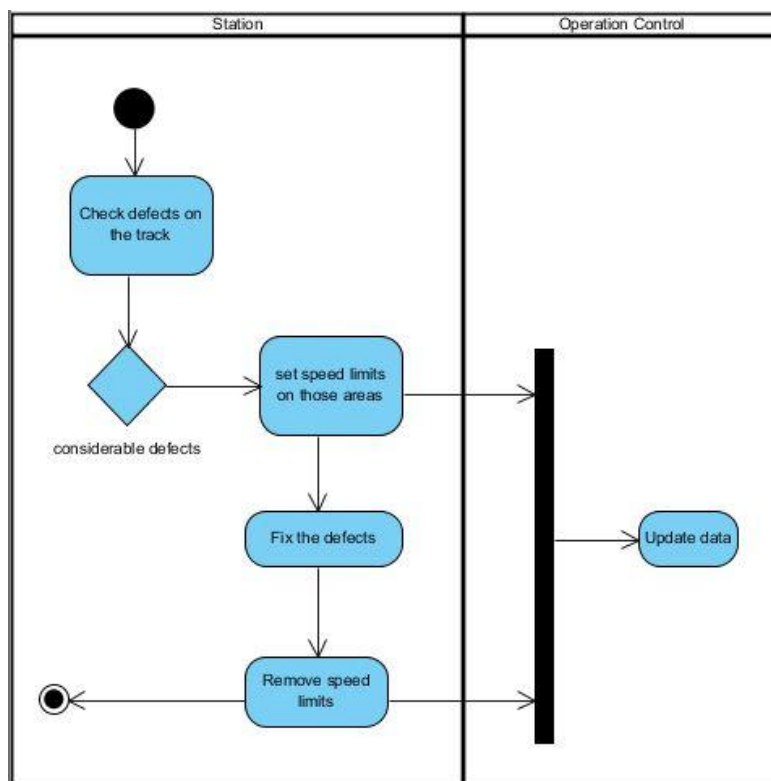
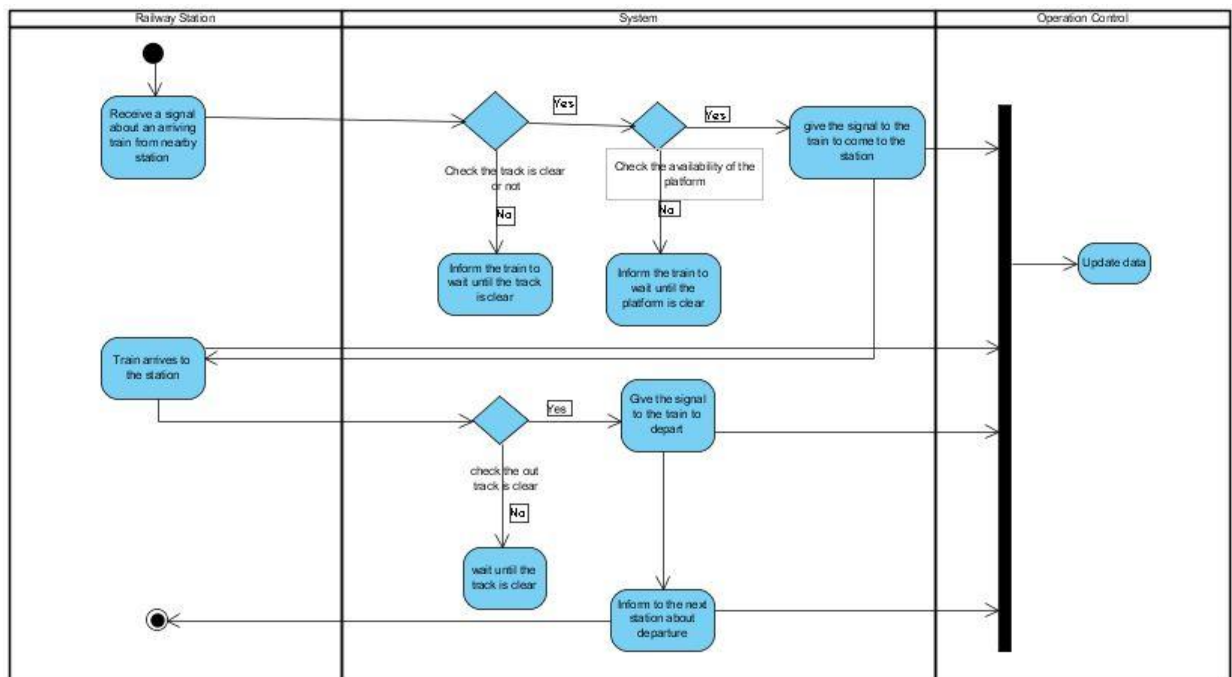


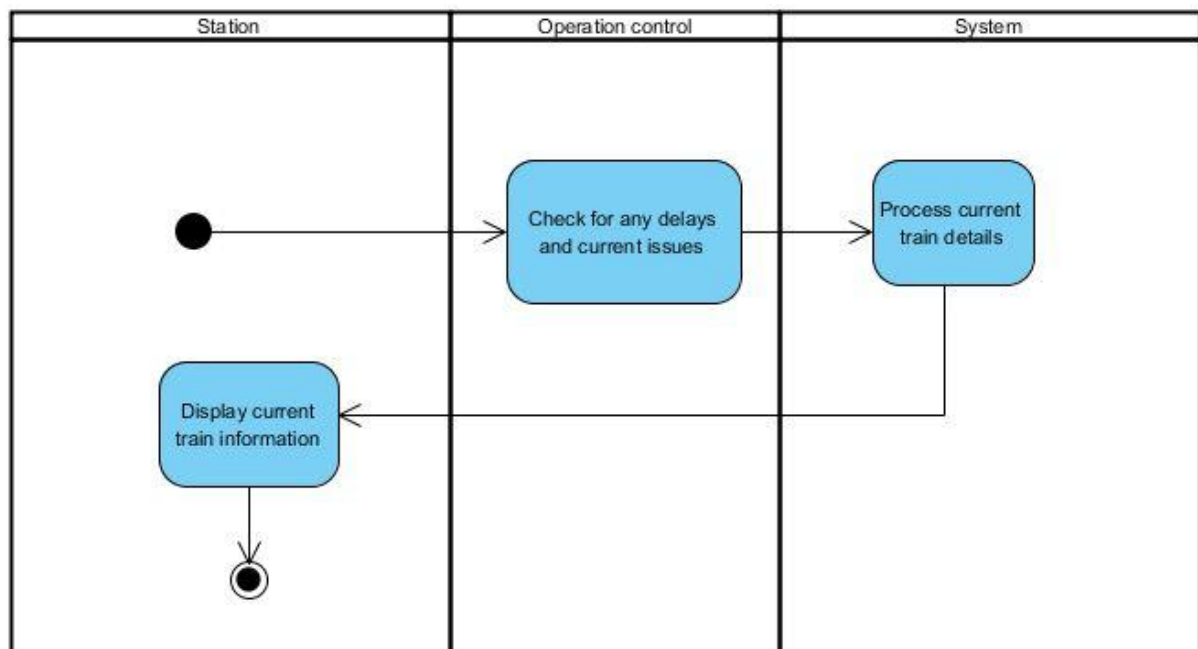
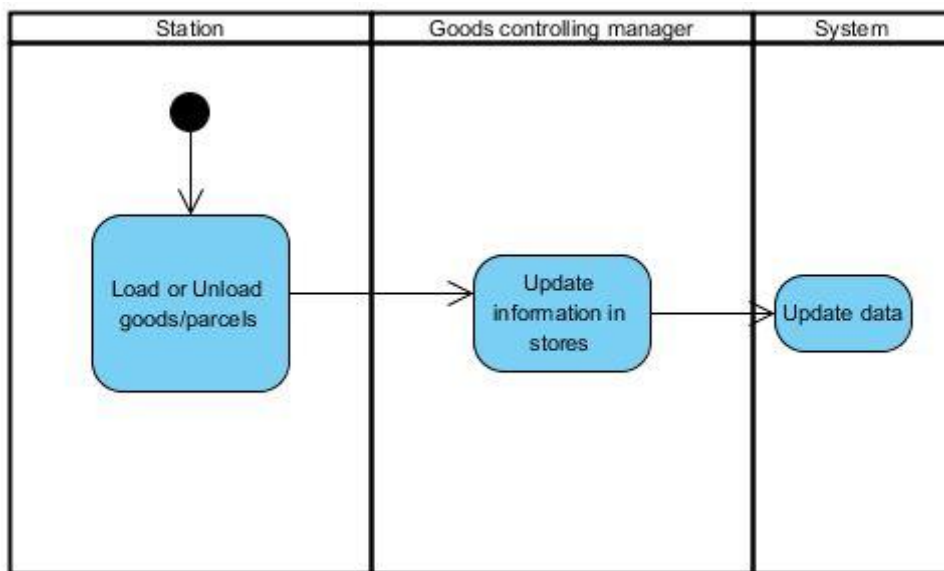


## Operation in yards



## Operations in railway stations





### Central operations controlling system

