**Project Design Phase-II**
**Data Flow Diagram &User Stories**

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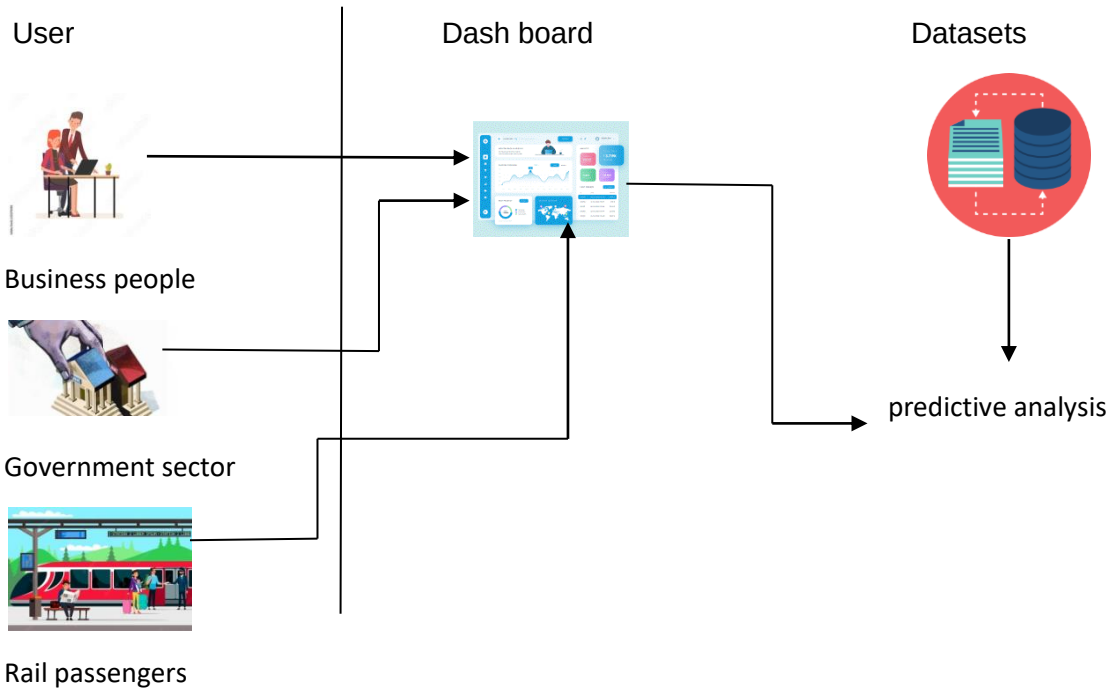
|---|---|
| Date | October 3 |
| Team ID | PNT2022TMID49243 |
| Project Name | Project – Traffic and Capacity Analytics for Major Ports. |
| Maximum mark | 4 marks |

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

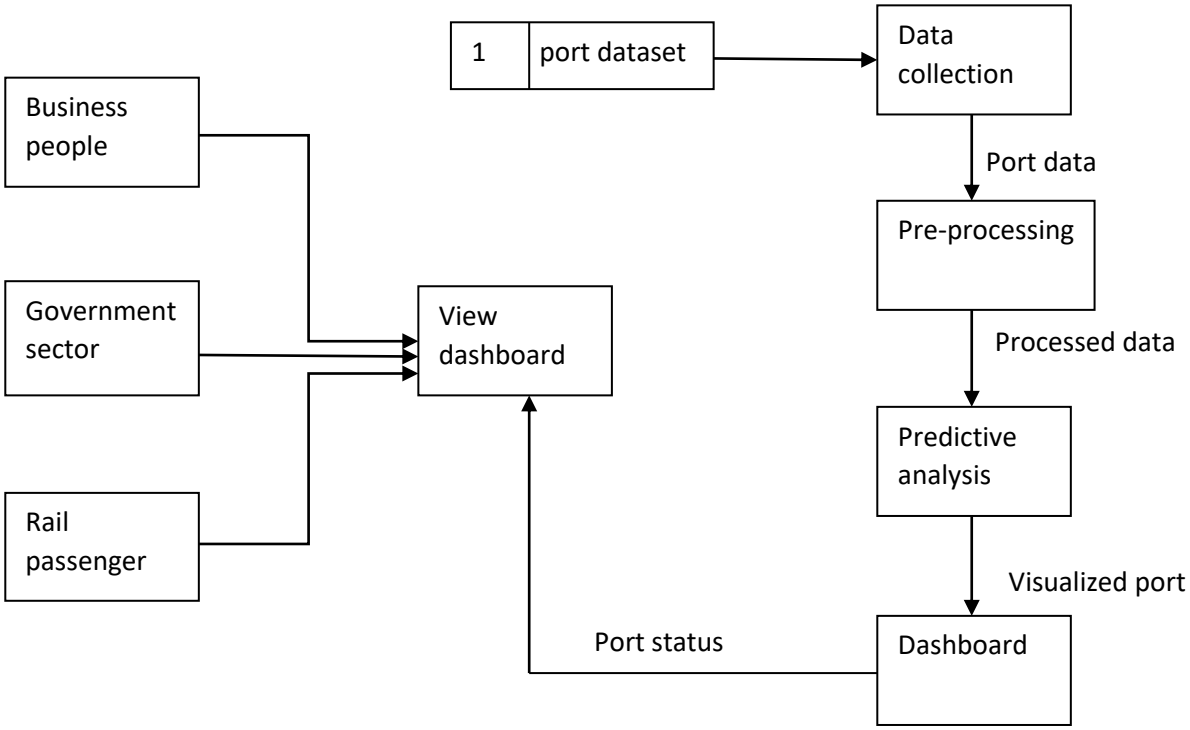



1. Predictive analysis will done from collected dataset and it will be updated in dash board.

2. Business people can able to view the dashboard to track their goods.

3. Government Sector people can able to predict the congestion in ports by viewing the dashboard and in helps to avoid congestion in future.

4. Rail passengers can able to track the correct time of rail in ports.




**User stories**

| User Type | Functional Requirement | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Business people | Monitoring | USN-1 | As a user, I can view the dashboard to see the port status | I can visualize the port status in dashboard. | High | Sprint-1 |
| | Tracking | USN-2 | As a user, I can track the goods. | I can track the goods by it's arrival/depature time. | High | Sprint-1 |
| Government sector | Viewing | USN-1 | As a user, I can view the port status regularly. | I can able to know the port status. | Low | Sprint-2 |
| | Predicting | USN-2 | As a user, I will reduce the congestion in ports by predicting the port congestion through dashboard. | I can able to predict the congestion in future. | High | Sprint-2 |
| Passenger | Tracing | USN-1 | As a user can, I can trace the arrival/depature time of rail in ports | I can able to track the correct time of rail. | High | Sprint-2 |