

Traffic And Capacity Analytics For Major Ports

Functional Requirement

Functional Requirements:

Following are the functional requirements of the proposed solution.

| Sl.NO | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|-------|--|--|
| 1 | User Registration | Registration through Form Registration through Gmail |
| 2 | User Confirmation | Confirmation via Email |
| 3 | User Input Acceptance | The dashboard accepts user input by means of selecting the location of the ports. |
| 4 | Options for User to filter location of ports | The user can use filter options to view ports by countries. |
| 5 | Visualization of ports. | The dashboard provides various visualization techniques to understand the flow. |
| 6 | Providing Delay Information of trains. | The dashboard is able to provide the user the information like delay of a particular train to the ports. |

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Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

| Sl.NO | Non-Functional Requirement | Description |
|-------|----------------------------|---|
| 1 | Usability | The dashboard is able to provide the users the consistency and the aesthetic they expect. The user can constantly use the dashboard without any flaw in the visual quality. |
| 2 | Security | The dashboard is much secured that the data of the users are kept confidential and also it is not prone to any kind of attacks. |
| 3 | Reliability | The failure rate is minimal and the failure can easily be rectified using the measures. Thus this makes the dashboard much reliable. |
| 4 | Performance | The dashboard gives better performance. It provides the user a convenient and flexible User Interface. |
| 5 | Availability | The dashboard is always available to serve the users. The availability is ensured in such a way that the user can access the dashboard any time anywhere. |
| 6 | Scalability | The dashboard is highly scalable. It can withstand any increase or decrease of loads. |

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