# DASHBOARD System

System:         Dashboard

Use case:       Show Worldwide Dashboard

Actors:         Dashboard,Case Info System

Data:           System asks for Worldwide Infected, Deaths, Recovered data from Case Info System

Stimulus:       A user who wants to see the dashboard worldwide visits the page.

Response:       Worldwide data showed on a line chart.


System:         Dashboard

Use case:       Show Countrywide Dashboard

Actors:         Dashboard,Case Info System

Data:           System asks for Countrywide Infected, Deaths, Recovered data from Case Info System

Stimulus:       A user who wants to see the countrywide dashboard visits the page.

Response:       Countrywide data showed on a line chart.


System:         Dashboard

Use case:       Show Countrywide Report

Actors:         Dashboard,Case Info System

Data:           System asks for Countrywide Infected, Deaths, Recovered  and Regions data from Case Info System

Stimulus:       A user who wants to see the countrywide report visits the page.

Response:       Countrywide data showed on a table.

System:      Dashboard

Use case:    Show Regionwide Report

Actors:      Dashboard,Case Info System

Data:        System asks for Regionwide Infected, Deaths, Recovered  data from Case Info System

Stimulus:    A user who wants to see the regionwide report clicks the Region button in Countrywide Report.

Response:    Regionwide datas showed on a Table.

Comment:     There is no direct way to access Region data directly. First, the user should open the nationwide report page. And the Region button is not always active because some countries do not share such data.


System:      Dashboard

Use case:    Show Data Ingestion Report

Actors:      Dashboard,Case Info System

Data:        System asks for Recorded Data Ingestion Reports date and status from Case Info System

Stimulus:    A admin who wants to see the Data Ingestion Report visits the page.

Response:    Data Ingestion Reports showed on a table.


System:      Dashboard

Use case:    Show Data Ingestion Report Detail

Actors:      Dashboard,Case Info System

Data:        System asks for Data ingested at reports date from Case Info System

Stimulus:    A admin who wants to see the Data Ingestion Report Details clicks the Detail button in Data Ingestion Report.

Response:    Data Ingestion Report Details showed on a table.

| | |
|---|---|
| Comment: | There is no direct way to access Data Ingestion Report Details directly. First, the Admin should open the Data Ingestion Report page. |
| System: | Dashboard |
| Use case: | Login |
| Actors: | Dashboard,Case Info System, Authentication System |
| Data: | System sends user info to Case Info System for verification. If verification is successful Case Info System asks for a Authentication token from Authentication System. |
| Stimulus: | A user who wants to see admin options in dashboard t visits the special URL and sends its user name and password. |
| Response: | User in Dashboard will be settled as Admin for that session. |

# DATA INGESTOR System

System:          Data Ingestor

Use case:       Take from Data Source

Actors:          Data Ingestor

Data:            Reads data from sevral data source. It reads infected,death ,recovered, date, data on world, country and region bases.

Stimulus:        System admin starts the ingestion process.

Response:        Readed data from Data Sources.



System:          Data Ingestor

Use case:       Write to DB

Actors:          Data Ingestor,Data Management

Data:            Formats readed data in Take from Data Source and writes it to DB.

Stimulus:        System admin starts the ingestion process. After done reading it will begin.

Response:        Formated datas in database.

Comment:        We will add a self triggering system in next update and it will be automated.

# CASE INFORMATION System

System:        Case Information

Use case:      Send Worldwide Data

Actors:        Case Information System

Data:          Worldwide Infected, Deaths, Recovered data.

Stimulus:      Get request for endpoint.

Response:      Worldwide datas.


System:        Case Information

Use case:      Send Countrywide Data

Actors:        Case Information System

Data:          Countrywide Infected, Deaths, Recovered data.

Stimulus:      Get request for endpoint.

Response:      Countrywide datas.


System:        Case Information

Use case:      Send Regionwide Data

Actors:        Case Information System

Data:          Regionwide Infected, Deaths, Recovered data.

Stimulus:      Get request for endpoint.

Response:      Regionwide datas.

System:         Case Information

Use case:       Send Data Ingestion Report

Actors:         Case Information System,Data Ingestor System

Data:           While the Data Ingestor does its  job, It writes a report of date and success status.

Stimulus:       Get request for endpoint.

Response:       Data Ingestor Report.


System:         Case Information

Use case:       Send Authentication Token

Actors:         Case Information System, Authentication System

Data:           Authentication token.

Stimulus:       Authentication request.

Response:       Authentication token in successful verification, Error in failed one.