

Mastercard D&S Platforms Team India

COVID-19 Project Test Plan

May 20, 2020



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POINT OF CONTACTS

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PM-D Point of Contact	
Key Clients	Mastercard Internal Team

INTRODUCTION

The scope of this project is to create an interactive dashboard which can enable users to perform the following tasks:

1. Study the spread of the COVID-19 Pandemic over time and across 5 countries (India, Italy, Germany, Singapore, USA)
2. Perform detailed analysis by further stratification of the spread based on demographic indicators (age, income, population density)
3. Study recoveries and deaths in addition to the positive cases over time and across the selected geographies
4. Analyse the impact of the spread on 3 Industries (Airlines, Travel & Entertainment, Food)
5. Study and Compare the Government Policy actions and interventions on the 5 countries, as well as their impact on various indicators

The final deliverables of the project are:

1. Working link of the final web dashboard
2. All the code scripts on the Github repository of the project
3. Proper Documentation of each code snippet for the entire project
4. Presentation of the project with individual experience and learning

The task of the SQE during the course of this project would be to ensure the following:

1. Prepare the test plans for the features and components of the project
2. Write automated tests for the working of all Front-End features of the dashboard and ensure they are working properly across browsers and locations
3. Write Front-End Testing to verify graphs and all statistical information is being displayed properly
4. Write and execute analytic testing to verify data on graphs
5. Perform API testing for all APIs to ensure that the entire code pipeline is running smoothly and all use cases and edge cases have been handled.

FEATURE SUMMARY

Requirements

1. Time Series Graphs for the entire country

On clicking a country name card on the Homepage, we are directed to the detailed analysis section for that country. The Section for each country contains the following graphs (country level) to aid data visualisation:

- I. Daily Cases Plot(Confirmed, Recovered, Deceased)
- li. Active Vs Recovered Plot
- lii. Recovered Vs Deceased Plot
- Iv. Confirmed VS Recovered Plot
- V. Total Cases Plot (Active, Confirmed, Recovered, Deceased) for the top 10 states

2. Latest Statistical information for each State

The section for each country also includes an information section which displays the updated values for the following fields:

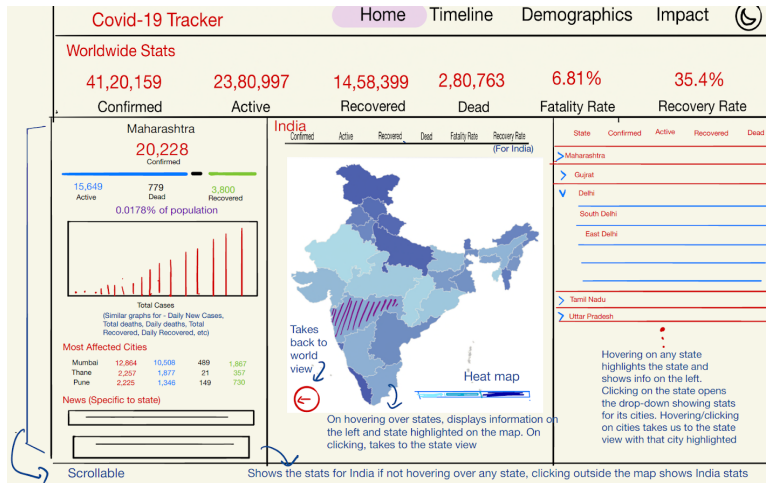
- I. Confirmed Cases for each state
- li. Active cases for each state
- lii. Deaths for each state
- Iv. Recoveries for each state

3. Drop-Down Stats bar for each State

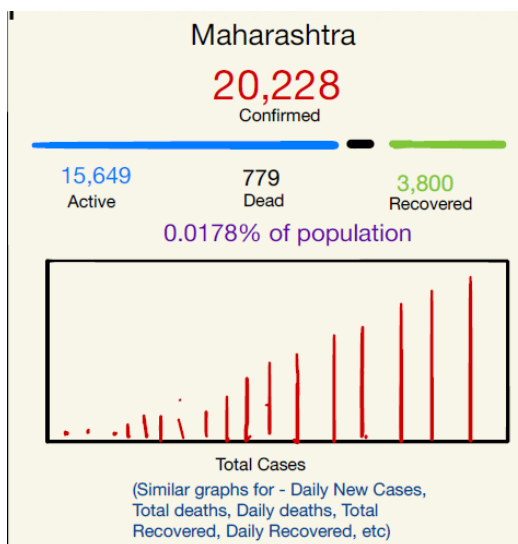
The right-hand section for each country's page features a list of its States with a drop-down button for each state. Upon clicking the dropdown button, the statistical information (Confirmed/Active/Recovered/Deaths) about its top cities is displayed.

Mockups

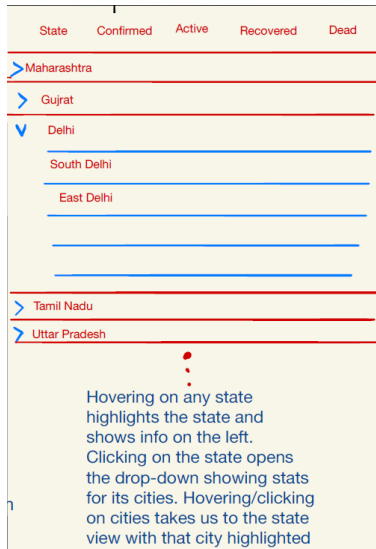
1. Country View for the selected Country



2. Graphs & Latest Statistical information for the selected state displayed on the left



3. Drop-down Stats Bar for each state



Github Project Task Link

The task status for this feature can be accessed at this [link](#).

DO NOT FORGET LIST

	Feature	Status
Check scaling of graphs during Zoom In/Out	Country Graphs	
Check repetition of values for drop-down menu	Drop-Down Menu	

FRONT END TESTING

Requirement	Case #	Test Steps	Expected Results	Screenshot	Status	Bugs/ Notes
Time-series Graph for the entire country	1	Click on country card on the homepage	<ul style="list-style-type: none"> <input type="checkbox"/> Detailed analysis section for that country should get displayed <input type="checkbox"/> All 5 plots for the country should be clearly visible <input type="checkbox"/> Drop-down Menu for each state should be present at the right with the arrow button <input type="checkbox"/> The Title, axes labels and legend should be present with legible font size and colour <input type="checkbox"/> Data on the graph is updated as per the latest day <input type="checkbox"/> Scale of the graph is appropriate as per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different 			

			and distinguishable			
	2	Hover cursor over graph	<input type="checkbox"/> Cursor should change into a tool-tip to enable detailed inspection of the graph <input type="checkbox"/> Information about that data point should be visible			
	3	Zoom In/Out on the webpage	<input type="checkbox"/> The shape of the graph should adjust itself accordingly			
Statistical Info Section for each state	1	Hover cursor over the state on the country map	<input type="checkbox"/> The information section should display the stats for the state selected <input type="checkbox"/> The information should be updated and latest <input type="checkbox"/> The font, size and colour of the display values and labels should be legible <input type="checkbox"/> Spelling of the value labels and state names should be correct			
Drop-down stats bar for each state	1	Click on drop-down button for	<input type="checkbox"/> Statistical information for the top cities of			

		a state	<p>that state should be visible as a dropdown</p> <ul style="list-style-type: none"> <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected 			
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Graph Test Cases for each Country:

Country	Test Case	Graph Category	Expected Results	Screenshot	Notes/Bugs
India	1.11	Daily Cases Plot	<ul style="list-style-type: none"> <input type="checkbox"/> Title of the plot is legible (Font size, colour, spelling is correct) <input type="checkbox"/> Axes labels for both Y and X axis are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Legend is clearly visible <input type="checkbox"/> Labels in the Legend are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Data on the graph is updated <input type="checkbox"/> Scale of the graph is appropriate as 		
	1.12	Active Vs Recovered Plot			
	1.13	Recovered Vs Deceased Plot			
	1.14	Confirmed Vs Recovered Plot			
	1.15	Total Cases Plot (Top 10 States)			

			<ul style="list-style-type: none"> per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different and distinguishable <input type="checkbox"/> Cursor should change into a tool-tip to enable detailed inspection of the graph 		
Italy	1.21	Daily Cases Plot	<ul style="list-style-type: none"> <input type="checkbox"/> Title of the plot is legible (Font size, colour, spelling is correct) <input type="checkbox"/> Axes labels for both Y and X axis are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Legend is clearly visible <input type="checkbox"/> Labels in the Legend are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Data on the graph is updated <input type="checkbox"/> Scale of the graph is appropriate as per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different and distinguishable <input type="checkbox"/> Cursor should change into a 		
	1.22	Active Vs Recovered Plot			
	1.23	Recovered Vs Deceased Plot			
	1.24	Confirmed Vs Recovered Plot			
	1.25	Total Cases Plot (Top 10 States)			

			tool-tip to enable detailed inspection of the graph		
Germany	1.31	Daily Cases Plot	<input type="checkbox"/> Title of the plot is legible (Font size, colour, spelling is correct) <input type="checkbox"/> Axes labels for both Y and X axis are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Legend is clearly visible <input type="checkbox"/> Labels in the Legend are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Data on the graph is updated <input type="checkbox"/> Scale of the graph is appropriate as per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different and distinguishable <input type="checkbox"/> Cursor should change into a tool-tip to enable detailed inspection of the graph		
	1.32	Active Vs Recovered Plot			
	1.33	Recovered Vs Deceased Plot			
	1.34	Confirmed Vs Recovered Plot			
	1.35	Total Cases Plot (Top 10 States)			
Singapore	1.41	Daily Cases Plot	<input type="checkbox"/> Title of the plot is legible (Font size, colour,		
	1.42	Active Vs Recovered Plot			
	1.43	Recovered Vs Deceased			

		Plot		
	1.44	Confirmed Vs Recovered Plot	spelling is correct) <input type="checkbox"/> Axes labels for both Y and X axis are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Legend is clearly visible <input type="checkbox"/> Labels in the Legend are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Data on the graph is updated <input type="checkbox"/> Scale of the graph is appropriate as per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different and distinguishable <input type="checkbox"/> Cursor should change into a tool-tip to enable detailed inspection of the graph	
	1.45	Total Cases Plot (Top 10 States)		
USA	1.51	Daily Cases Plot	<input type="checkbox"/> Title of the plot is legible (Font size, colour, spelling is correct) <input type="checkbox"/> Axes labels for both Y and X axis are legible (Font size, colour, spelling is correct)	
	1.52	Active Vs Recovered Plot		
	1.53	Recovered Vs Deceased Plot		
	1.54	Confirmed Vs Recovered Plot		
	1.55	Total Cases Plot (Top 10 States)		

			<input type="checkbox"/> Legend is clearly visible <input type="checkbox"/> Labels in the Legend are legible (Font size, colour, spelling is correct) <input type="checkbox"/> Data on the graph is updated <input type="checkbox"/> Scale of the graph is appropriate as per the range of the data <input type="checkbox"/> Colour for the plot of each dataset should be different and distinguishable <input type="checkbox"/> Cursor should change into a tool-tip to enable detailed inspection of the graph		
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Statistical Information Section Test cases for each state

Country	Results	Screenshots	Bugs/Notes
India			
Italy			
Germany			
Singapore			
USA			

The tests mentioned below will be performed for each of the 5 countries and will be recorded in the table above:

1. India

State	Test Case	Statistical Info Section	Expected Results	Drop-down Menu	Expected Results	Screenshots
Andhra Pradesh	2.01	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Arunachal Pradesh	2.01	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Assam	2.02	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font,	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down	

			size, colour and spelling should be correct)		<input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Bihar	2.03	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Chhattisgarh	2.04	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Goa	2.05	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Gujarat	2.06	Active Confirmed Deaths	<input type="checkbox"/> Stats for the selected state is displayed	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that	

		Recovered	<input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)		state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Haryana	2.07	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Himachal Pradesh	2.08	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Jammu and Kashmir	2.09	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal	

			spelling should be correct)		when a new state is selected	
Jharkhand	2.1	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Karnataka	2.11	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Kerala	2.12	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Madhya Pradesh	2.13	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information	

			<input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)		<input type="checkbox"/> should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Maharashtra	2.14	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Manipur	2.15	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Meghalaya	2.16	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	

Mizoram	2.17	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Nagaland	2.18	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Orissa	2.19	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Punjab	2.2	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font,	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down	

			size, colour and spelling should be correct)		<input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Rajasthan	2.21	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Sikkim	2.22	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Tamil Nadu	2.23	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Telagana	2.24	Active Confirmed Deaths	<input type="checkbox"/> Stats for the selected state is displayed	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that	

		Recovered	<input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)		state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Tripura	2.25	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Uttaranchal	2.26	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Uttar Pradesh	2.27	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal	

			spelling should be correct)		when a new state is selected	
West Bengal	2.28	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Andaman and Nicobar Islands	2.29	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Chandigarh	2.3	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Dadra & Nagar Haveli and Daman & Diu	2.31	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information	

Diu			<input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)		<input type="checkbox"/> should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Delhi	2.32	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Jammu and Kashmir	2.33	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Jammu (Winter)	2.34	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	

Lakshadweep	2.35	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Puducherry	2.36	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	
Ladakh	2.37	Active Confirmed Deaths Recovered	<input type="checkbox"/> Stats for the selected state is displayed <input type="checkbox"/> The information is updated <input type="checkbox"/> The display values should be legible (font, size, colour and spelling should be correct)	Click on drop-down button	<input type="checkbox"/> Statistical information for the top cities of that state should be visible as a dropdown <input type="checkbox"/> All information should fit within the boundaries of the drop-down <input type="checkbox"/> The previous drop-down should revert to normal when a new state is selected	

PERFORMANCE TESTING

Requirement	Case #	Test Steps	Time Consumed	Status	Notes/Bugs
Country Page	1	Access country card from Homepage			
Graph	1	Wait for each graph to load			
Statistical	1	Hover over a			

Information Section		state on the Map			
Drop-down Menu	1	Click on the drop-down button for a state			

AUTOMATION TESTING

Requirement	Scenario#	Operation	Pull Request Link
Access Country page	1	Open country page by clicking on the country card	
Access State information	2	Hover cursor over the state on the map	

Drop-down Menu	3	Click on the drop-down button for a state	
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ANALYTIC TESTING

Scenario	DB	Description	Value	Expected	Actual	Status
1	CovidViz	Test Plot	Data is NULL	'No Data available' should be displayed		
2			Data is 0	0 should be displayed		

3			Data input is Negative	'Invalid Data' should be displayed		
4			<i>Value is 10⁹</i>	Complete value should be displayed without any overlap		
5		Test Stat Information section	Data is NULL	'No Data available' should be displayed		
6			Data is 0	0 should be displayed		
7			Data input is Negative	'Invalid Data' should be displayed		
8			<i>Value is 10⁹</i>	Complete value should be displayed without any overlap		
9		Drop-down menu	Data is NULL	'No Data available' should be displayed		
10			Data is 0	0 should be displayed		
11			Data input is Negative	'Invalid Data' should be displayed		
12			<i>Value is 10⁹</i>	Complete value should be displayed without any overlap		

