Project Requirement Document

# 📊 Project Title: COVID-19 Dashboard Using Containers in Tableau

Tool Used: Tableau

Focus Areas: Layout Design, KPI Visualization, Container Structuring, Dashboard Usability

# ✅ Project Objective

Design a user-friendly, well-structured Tableau dashboard using Horizontal and Vertical Containers to present COVID-19 data insights effectively. The dashboard should prioritize KPIs, allow comparative analysis through grouped visualizations, and be filterable for better interactivity.

# 🧱 Dashboard Layout Requirements

## Step 1: Initiate a New Dashboard

* Open Tableau and create a new dashboard.
* Ensure all necessary sheets (KPIs, Charts, Filters) are created beforehand.

## Step 2: Add Vertical Container – Main Structure

* Drag a Vertical Container to serve as the primary layout column.
* This container will stack:
* - KPI Section (top)
* - Charts Section (middle)
* - Filters or Additional Info (bottom)

## Step 3: Insert Horizontal Container for KPI Cards

* Drag a Horizontal Container into the top of the vertical container.
* Add 4 KPI sheets:
* - Total Confirmed
* - Total Deaths
* - Total Recovered
* - Active Cases
* Set each to “Fit → Entire View”.
* Resize each KPI card for balanced visual weight.

## Step 4: Add Analytical Charts Below KPIs

* Below the KPI container, add sheets directly to the vertical container:
* - Donut Chart: Confirmed by WHO Region
* - Bar Chart: Top 10 Countries by Confirmed Cases
* - Death Rate Over Time
* - 1-week Change in Cases

## Step 5: Group Comparative Charts Horizontally

* For comparative analysis (e.g., Recovery vs Death Rate):
* - Insert another Horizontal Container below main charts.
* - Place relevant sheets side-by-side within it.

## Step 6: Optional – Add Filter Container

* Add a Horizontal Container to the side or top.
* Insert filters such as:
* - Country Selector
* - WHO Region
* Apply filters to “All using this data source.”

## Step 7: Tidy Up and Add Descriptive Elements

* Use Blank objects for spacing between elements.
* Add Text Boxes to label sections:
* - Example: “🧾 Weekly Trend”, “🌍 Regional Summary”
* Adjust borders and padding for a clean look.
* Set each chart to “Fit → Entire View”.

## Step 8: Finalize and Share

* Use Presentation Mode to preview.
* Verify alignment, layout flow, and responsiveness.
* Save, export as PDF or publish to Tableau Public.

# 🔍 Expected Outcome

A visually organized, container-structured dashboard that:

* Displays key metrics clearly at the top
* Groups charts for storytelling and comparison
* Includes filter controls for interactivity
* Is clean, balanced, and professional-looking