

DATA PRODUCT: POWER BI DASHBOARD FOR COVID-19 DATA

User Story

- Story 1: Client 1(public policy think tank) needs a dashboard to give idea on how govt reacts (stringency index) to rising or decreasing COVID-19 cases.
- Story 2: General public needs a dashboard to look at new cases/deaths in their province on day-to-day basis.

As a role: Client 1(public policy think tank)

I can activity : View how govts across the world reacted to COVID-19 cases in their country.

So that biz value They intend to write a paper on how certain govt reacted to pandemic

As a role: Public citizen

I can: View COVID-19 related data such as new cases/deaths in my country

Biz value: More citizens have access to real-time data.

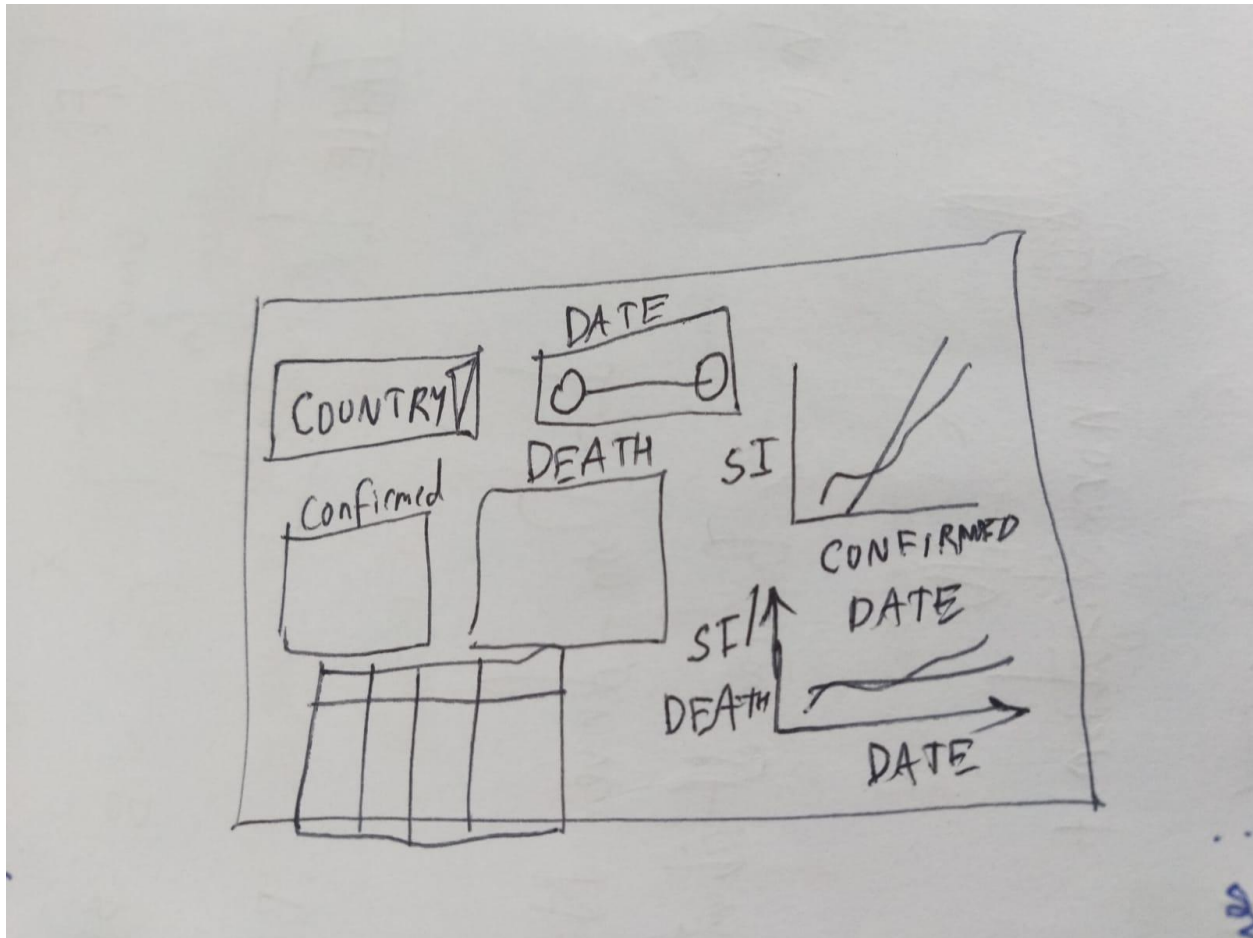
Acceptance criteria

Iteration 1 : Get specific data available for Story 1 - Stringency index and epidemic data

Iteration 2 : Graphs plotting Confirmed/Deaths vs Stringency index to measure the response of a particular govt

Iteration 1: Get epidemic data and total data on cases for each country

Iteration 2: Print the numbers on the dashboard along with visualizations over a time period.



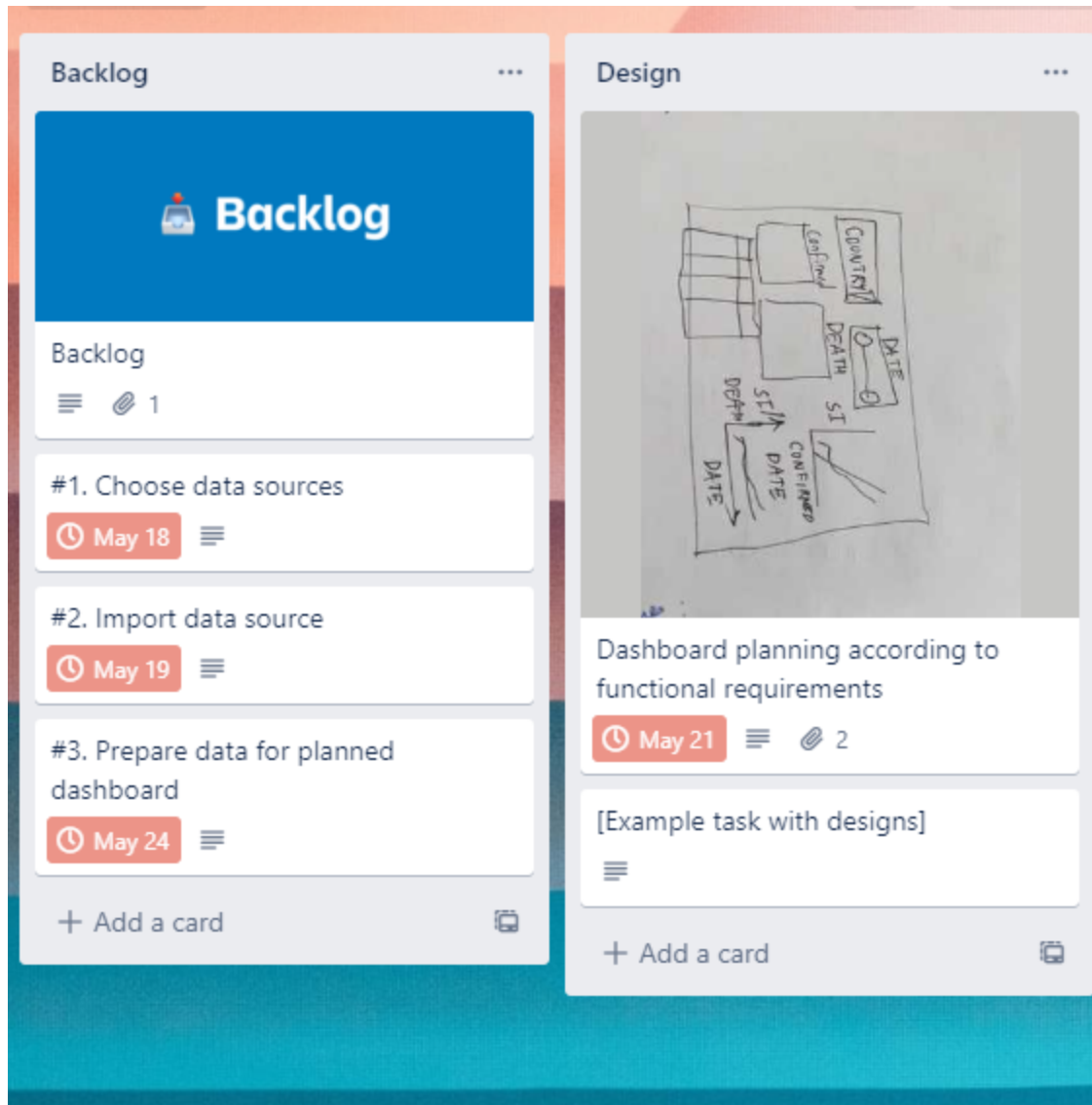
Release plan - 1 month - product backlog -> 2 User Stories

Iteration plan - 2 Iterations - 2 weeks ->

Iteration 1: 1 week - May 17 - May 24

Daily plan - Activities:

1. Choose data sources - 1day
2. Import data source - 1day
3. Dashboard planning according to functional requirements - 3days
4. Prepare data for planned dashboard - 3days



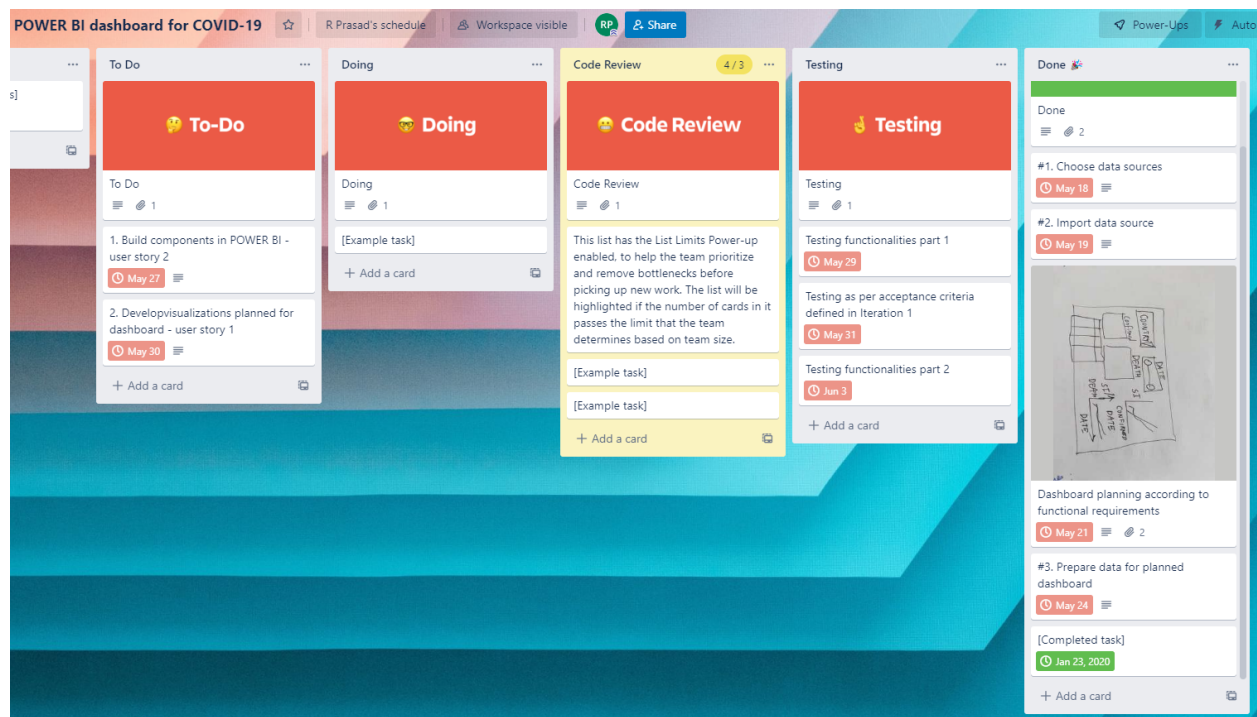
Iteration 2: May 24 - Jun 3

Daily plan - Activities:

1. Build components in POWER BI - user story 2 - 3days

Build a list of components necessary for the product (User story 2)

- Country slicer
- Date slicer
- Total Confirmed/ Death numbers
- Daily new cases
- Death Rate
- Table of Countries| Deaths| Confirmed | Recovered | Stringency index



2. Develop visualizations planned for dashboard - user story 1 - 3days

Line graphs plotting Deaths, Stringency Index vs Date

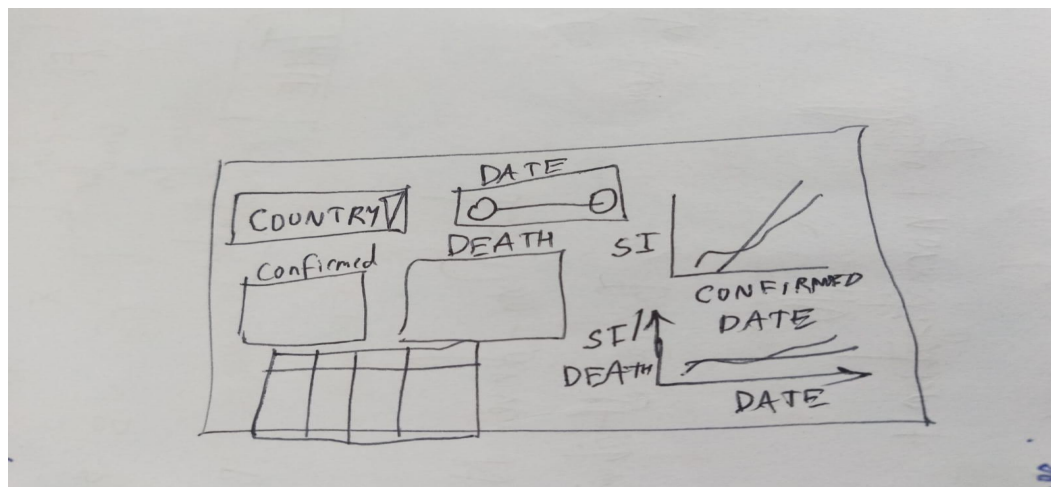
Confirmed, SI vs Date

Recovered, SI v Date

Daily new cases, SI v Date

4. Testing functionalities part 1

5. Testing as per acceptance criteria defined in Iteration 1





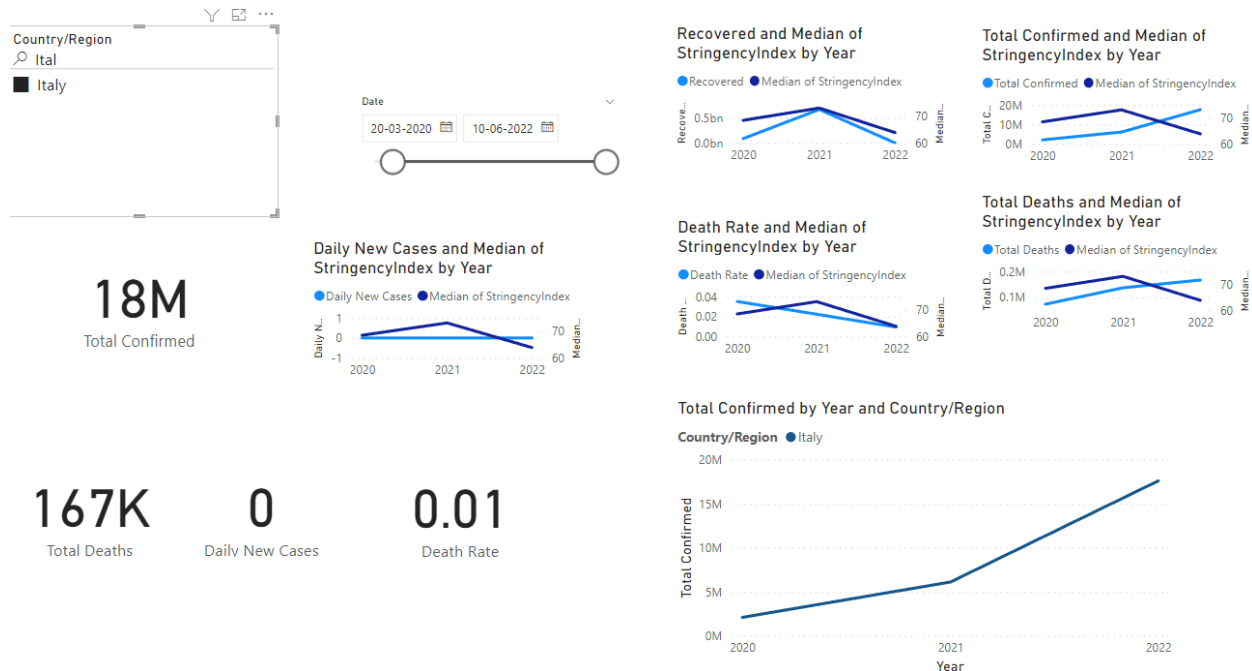
6. Testing functionalities part 2

TDD

For each micro functionality - acceptance tests

a. Choosing a Country - "ITALY"

You can look at the dashboard components including Total Deaths/Confirmed and other graphs defined for user story 1



b. Choosing a country in 2nd page of dashboard: You can see the table displaying only "ARMENIA".

