

Group 4: Sprint 2: Sprint Items

1 Story point = 1 hour

Total PBI estimation: 107 hours

Current sprint estimation: 50 hours

Estimated velocity: 35 hours/sprint

Goal of this sprint: Implement the main functionality of feature 2

Bob is an accountant living in Victoria. He is now working from home and interested in knowing when he can travel abroad again.

Alice is a doctor living in Victoria. Her job includes predicting the patient load to stock medical supplies.

Charlie is a travel agent living in Victoria. He needs information to advise customers on travel.

Sprint
backlog

Product
backlog

Completed

ID	Item	Priority	Story Points
2.3	As Alice, after choosing the country, I want to be able to see the daily cases displayed on the line graph if it is available so that I can see the cases data in a visual format	14	6
2.4	As Alice, after choosing the country, I want to be able to see the death rate displayed on the line graph if it is available so that I can see the death rate data in a visual format	15	6
2.5	As Alice, after choosing the country, I want to be able to see the vaccination rate displayed on the line graph if it is available so that I can see the vaccination data in a visual format	16	6
2.12	As Bob, I want Australia to be the default country so that I can obtain the information most relevant to me conveniently.	17	2
2.6	As Alice, I want to be able to choose what types of data are (cases/death/vaccine) displayed on the map to only focus on the data I am interested in	19	4
2.1	As Bob, I want to be able to choose a country from the drop-down menu to be able to only see the information related to the country I am interested in.	20	3
2.14	As Bob, after choosing the country and period, I want to be able to click a button to see the graph, so that I can lock in my preferences about the graph.	21	3
2.7	As Bob, I want the graph to dynamically update its title and legends as the data options changes	22	2
2.2	As Charlie, I want the graph to display its title, axis labels and legends to make it easier to understand the graph.	23	2

2.9	As Alice, I want to be able to choose an option for the period (e.g., last week, last week, last month, last year, other) so that I save time while choosing.	24	4
2.10	As Alice, after choosing the "Other" option, I want to be able to specify the upper bound and lower bound of time-period using a calendar so that I can choose any date as the start and end	25	4
2.11	As Bob, I want different types of data to be colour coded so that I can distinguish between them when they are displayed on the same graph	26	2
2.15	As a user, I want to be able to choose between regular or night mode by clicking on a floating toggle, so that I choose my own operational mode	27	6
1.1	As Alice, I want to immediately see the daily number of cases in large font so that I can quickly get a sense of whether I should worry about COVID flare ups.	28	2
1.4	As Alice, I want to be able to view a line graph of daily COVID cases so that I can anticipate the trend and order appropriate amounts of medical supplies	29	6
1.3	As Alice, I want to be able to switch between viewing the case number and the graph by clicking on a different tab to be able to see information easily	30	3
1.2	As Alice, I want to be able to see the date for the displayed "daily case number" so that I can make my own judgement on the data's relevancy with how up to date it is.	31	2
3.7	As Charlie, I want to see the country I am in, preselected as the default in the engine, so that I can more conveniently use the feature	12	4
3.3	As Charlie, I want to see instructions for using the engine's prediction feature, so I can use it correctly	13	2
3.2	As Charlie, I want to be able to input the target vaccination rate, so I can see relevant prediction and information when the vaccination rate is as specified	2	3
3.4	As Charlie, I want to start the engine when submit button is pushed, so I can lock in my inputs	3	6
3.5	As Charlie, I want to see the estimation of cases and death rates, so I can plan travels ahead	4	2
3.6	As Charlie, I want to view the output on the same page of the engine, so I don't have to go back after	5	2
3.a	Documentation for accessing API	6	4
3.b	Design for features 1, 2 & 3	7	4
3.c	Finalising SIR model inc. vaccination rates (Documentation)	8	4
3.d	Finalising SIR model inc. vaccination rates (Implementation)	9	4
3.e	Developing product framework	10	4
3.f	Preparing test cases for engine	11	2