

User story

As a superuser, I want users to sign up so that I can keep track of the details of those who are using the application which includes phone number and email address.

Independent	Yes, by creating an account won't affect other users from using the app.
Negotiable	Yes, as it is easy to modify the feature if the client wants it.
Valuable	Yes, an account is valuable for users to access the application.
Estimate	Yes, we can estimate the time required to implement it.
Small	Yes, user accounts are fairly simple to implement and store.
Testable	Yes, we just need to create multiple dummy accounts for us to see the details.

As a superuser, I want users to login first before they are allowed to use the application so that not everyone can access the application.

Independent	Yes.
Negotiable	Yes, as it is easy to modify or remove the feature if the client wants it.
Valuable	Yes
Estimate	Yes
Small	Yes
Testable	Yes

As a user, I want the user interface themes to be soothing with not too bright colours so that the UI looks more welcoming.

Independent	Yes, even without special colour themes the user can still access the app.
Negotiable	Yes, user or client can choose what colour they prefer
Valuable	Yes, particularly for people who prefer dark mode or colourblind people
Estimate	Yes, we can estimate the time required to implement it.
Small	Yes
Testable	No, it depends on the client.

As a user, I want my details to be stored in a safe and reliable database so that I will be able to access the application from multiple devices.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, we can also use other alternatives for storage if client insists
Valuable	Yes, users are able to use different devices to access the application.
Estimate	Yes, we can estimate time to build the database
Small	Yes
Testable	Yes, development members can test out during the development stage.

As a user, I want to reset my password so that I can still access my account after forgetting my password.

Independent	Yes, even without this feature the user can still access their account and use the app.
Negotiable	Yes, as it is easy to modify or remove the feature if the client wants it.
Valuable	Yes, client noted that it would be a nice feature to have
Estimate	Yes
Small	Yes
Testable	Yes, we just need to reset one or multiple user's password to be sure.

As a user, I want to be able to use the application on both pc and mobile so that I can use it from both devices at any time.

Independent	Yes
Negotiable	Yes, good programming practices will make the web app suitable for both pc and mobile
Valuable	Yes, users are able to view data easily at a glance.
Estimate	Yes, we can estimate time to structure our application.
Small	Yes
Testable	Yes, development members can test out after the implementation stage.

As a superuser, I want to view a table containing the username of everyone who uses the app in a separate page so that I can identify those who have used the app.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, as it is easy to modify or remove the feature if the client wants it.
Valuable	Yes, the superuser can know each user's username.
Estimate	Yes, we can estimate time to structure our application.
Small	Yes
Testable	Yes, development members can test out after the implementation stage.

As a superuser, I want to view a table containing the phone number of everyone who uses the app in a separate page so that I can have the contact information of those who have used the app.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, as it is easy to modify or remove the feature if the client wants it.
Valuable	Yes, the superuser can know the user's contact information.
Estimate	Yes, we can estimate time to structure our application.
Small	Yes
Testable	Yes, development members can test out after the implementation stage.

As a superuser, I want to view a table containing the email address of everyone who uses the app in a separate page so that I can have the contact information of those who have used the app.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, it is flexible to remove this feature if the client does not require it.
Valuable	Yes, the superuser can know each user's email address/
Estimate	Yes, we are able to estimate the time required for this functionality
Small	Yes.
Testable	Yes, development members can test out after the implementation stage.

As a superuser, I want to view a table containing the number of times that a user has logged into the app in a separate page.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, it is flexible to remove this feature if the client does not require it.
Valuable	Yes, the superuser can check the number of times the user has logged into the app.

Estimate	Yes, we are able to estimate the time required for this functionality
Small	Yes
Testable	Yes, development members can test out after the implementation stage.

As a superuser, I want to view a table containing the last login date of each user who has logged into the app in a separate page so that I can know when the last time a user has logged into the app.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, it is easy to remove or change this feature.
Valuable	Yes, the superuser can check the last login date of each user of the application.
Estimate	Yes, we are able to estimate the time required for this functionality
Small	Yes
Testable	Yes, development members can test out after the implementation stage.

User Stories for widget

As a user, I want to see number of COVID-19 cases so that I can quickly get updated on the current pandemic situation

Independent	Yes, this user story can be implemented independently
Negotiable	Yes, it is negotiable
Valuable	Yes, as the client wants to know about this
Estimate	Yes, time can be estimated based on implementation of API
Small	Yes
Testable	Yes, it can be tested to see if the correct number is shown

As a user, I want to see a widget that shows a graph of daily cases of Covid-19 in Malaysia so that I would have a better visualisation of the Covid-19 confirmed cases trend.

Independent	Yes, this user story can be implemented independently.
Negotiable	Yes, we can easily remove or change it.
Valuable	Yes, the graph is valuable to the user.
Estimate	Yes, time to implement this widget can be estimated.
Small	Yes.
Testable	Yes, it can be tested.

As a user, I want to see a widget containing a graph of the total death cases caused by COVID-19 in Malaysia so I will know the amount of deaths currently in the country that were caused by this pandemic.

Independent	Yes, this user story can be utilised independently.
Negotiable	Yes, this widget is negotiable.
Valuable	Yes, the data in the widget is valuable to the user.
Estimate	Yes, time can be estimated based on the graph and API implementation.
Small	Yes
Testable	Tes, the development members are able to test this widget.

As a user, I want to see a widget containing a pie chart of the vaccination status in Malaysia so that I can easily have an idea on how many percent of people are fully vaccinated, partially vaccinated etc, with just a simple glance.

Independent	Yes, this functionality can be utilised independently.
Negotiable	Yes, graphs can be changed if clients insist.

Valuable	Yes, data can be valuable to user by just a simple glance
Estimate	Yes, time can be estimated on the graph and API implementation
Small	Yes
Testable	Yes, development members can test it during the implementation stage.

As a user, I want to see a widget that displays a triple line graph which shows the total population and the number of cumulative vaccinations for at least one dose and fully vaccinated so that I can know how many people are left to be vaccinated.

Independent	Yes, this user story can be implemented independently.
Negotiable	Yes, this widget is negotiable.
Valuable	Yes, vaccination data can be visualized directly.
Estimate	Yes, time can be estimated on the graph and API implementation.
Small	Yes
Testable	Yes, development members can test by comparing with real time data.

As a user, I want to see a widget on the dashboard which displays a line graph showing the number of daily vaccinations in Malaysia so that I can see the vaccination trend in Malaysia.

Independent	Yes
Negotiable	Yes
Valuable	Yes
Estimate	Yes
Small	Yes
Testable	Yes

As a user, I want to see number of COVID-19 recovered cases so that I can quickly get updated on the current pandemic situation

Independent	Yes, this user story can be implemented independently
Negotiable	Yes, it is negotiable
Valuable	Yes, as the client wants to know about this
Estimate	Yes, time can be estimated based on implementation of API
Small	Yes
Testable	Yes, it can be tested to see if the correct number is shown

As a user, I want to see the number of COVID-19 deaths so that I can quickly get updated on the current pandemic situation.

Independent	Yes, this user story can be implemented independently
Negotiable	Yes, it is negotiable
Valuable	Yes, as the client wants to know about this
Estimate	Yes, time can be estimated based on implementation of API
Small	Yes
Testable	Yes, it can be tested to see if the correct number is shown

Product Backlog

User Stories	Story Point	Rank
As a superuser, I want users to sign up so that I can keep track of the details of those who are using the application which includes phone number and email address.	5	2
As a superuser, I want users to login first before they are allowed to use the application so that not everyone can access the application.	1	2
As a user, I want the user interface themes to be soothing with not too bright colours so that the UI looks more welcoming.	5	1
As a user, I want my details to be stored in a safe and reliable database so that I will be able to access the application from multiple devices.	20	1
As a user, I want to reset my password so that I can still access my account after forgetting my password.	8	5
As a user, I want to be able to use the application on both pc and mobile so that I can use it from both devices at any time.	5	1
As a superuser, I want to view a table containing the username of everyone who uses the app in a separate page so that I can identify those who have used the app.	2	1
As a superuser, I want to view a table containing the phone number of everyone who uses the app in a separate page so that I can have the contact information of those who have used the app.	2	4
As a superuser, I want to view a table containing the email address of everyone who uses the app in a separate page so that I can have the contact information of those who have used the app.	2	4
As a superuser, I want to view a table containing the number of times that a user has logged into the app in a separate page.	5	4
As a superuser, I want to view a table containing the last login date of each user who has logged into the app in a separate page so that I can know when the last time a user has logged into the app.	5	4
As a user, I want to see number of COVID-19 cases so that I can quickly get updated on the current pandemic situation	1	3
As a user, I want to see a widget that shows a graph of daily cases of Covid-19 in Malaysia so that I would have a better visualisation of the Covid-19 confirmed cases trend.	1	3

As a user, I want to see a widget containing a graph of the total death cases caused by COVID-19 in Malaysia so I will know the amount of deaths currently in the country that were caused by this pandemic.	1	3
As a user, I want to see a widget containing a pie chart of the vaccination status in Malaysia so that I can easily have an idea on how many percent of people are fully vaccinated, partially vaccinated etc, with just a simple glance.	1	3
As a user, I want to see a widget that displays a triple line graph which shows the total population and the number of cumulative vaccinations for at least one dose and fully vaccinated so that I can know how many people are left to be vaccinated.	1	3
As a user, I want to see a widget on the dashboard which displays a line graph showing the number of daily vaccinations in Malaysia so that I can see the vaccination trend in Malaysia.	1	3
As a user, I want to see number of COVID-19 recovered cases so that I can quickly get updated on the current pandemic situation	1	3
As a user, I want to see the number of COVID-19 deaths so that I can quickly get updated on the current pandemic situation.	1	3