

Instructions: Based on the scenario, place the Product Features into the phases on the Product Roadmap. The product features should be ordered so that the highest value features are delivered to users first and the simple to implement features are delivered before the more complex features. The product Features are listed in Column A. Each Cell in the four phases of the Product Roadmap has a dropdown list that allows you to select the product features that you want to appear in that phase of the roadmap. Every feature must be added to a Phase of the roadmap.

Product Feature List	Phase 1	Phase 2	Phase 3	Phase 4
Initial Architecture/Database Setup & Design	Initial Architecture/Database Setup & Design			
Develop iOS Compatible Mobile App			Develop iOS Compatible Mobile App	
Develop Android Compatible Mobile App			Develop Android Compatible Mobile App	
Develop Web Portal application		Develop Web Portal application		
Upgrade Database			Upgrade Database	
Security Update				Security Update
Manual Importing	Manual Importing			
Automated Integration for Importing				Automated Integration for Importing
Mobile App User Interface Refinement			Mobile App User Interface Refinement	
Authentication- Login/Logout		Authentication- Login/Logout		
Basic Dashboard with heatmap display	Basic Dashboard with heatmap display			
Basic Data Searching Capability				
Automated Amber Alerts				Automated Amber Alerts
Customizable/Interactive Dashboard with heatmaps, bar charts, and zooming capabilities				Customizable/Interactive Dashboard with heatmaps, bar charts, and zooming capabilities
User Based Preferences- Save Search & Reports		User Based Preferences- Save Search & Reports		
Web Portal Redesign			Web Portal Redesign	
Export CSV of Reported Data		Export CSV of Reported Data		
Send Manual Amber Alerts by Region	Send Manual Amber Alerts by Region			
Web Report of Data (View only no Export)		Web Report of Data (View only no Export)		
In-App messaging for Doctors and Patients				In-App messaging for Doctors and Patients

Instructions: Below are 7 user roles that have been identified for the product and a brief description for how each user will interact with the product. These user roles can be used to create user stories in the blue "User Story" tab.

Roles	Personas
CDC Officials	Will use product to determine where to apply funding and send test kits
System Administrators	Responsible for governing all roles of the product. This role is not a health professional. This role maintains and governs the system, the process, and does troubleshooting if other users have problems with their roles and access. This role also publishes product information and ensures that the system is performing as intended.
Patients	Will use the product to report, track, and monitor cases of the outbreak
Test Centers	Will use the product to report test kit usage
Doctors	Will use the product to share successful treatment remedies
Medical Examiners	Will use the product to report deaths caused by outbreak
Healthcare Companies	Will use the product to report test kit production and deliveries

Instructions: Create User Stories and Acceptance Criteria in the sheet using the 7 user roles that have been identified in the yellow user role tab.

Two user stories have been provided for you for each role.

Create at least 2 more user stories for each role based on the needs of each user.

You will have at least 28 total user stories when finished.

List at least 2 acceptance criteria for each User Story

As a..	...I can...	...so that...	Completed User Story	Acceptance Criteria (Minimum of 2)
CDC Official	view the number of patients that have reported testing positive	so that I can analyze the outbreak	As a CDC Official I can view the number of patients that have reported testing positive so that so that I can analyze the outbreak .	-Patient names are anonymous -User can see a summary of the numbers provided -User must be logged in from a government IP address to view
CDC Official	see a report of the # of test kits that health care companies have created	that I can send funding	As a CDC Official I can see a report of the # of test kits that health care companies have created so that that I can send funding.	-User can see a summary of the total number of test kits -User can see a summary of the number of test kits produced by healthcare company -User can see the names of the health care company -User can see amount of funds sent to each health care company
Doctor	add the name of patients I have treated	I can add treatments	As a Doctor I can add the name of patients I have treated so that I can add treatments .	-Alpha Numeric characters are allowed -Patient First and Last Name required -Patient DOB required -Patient Location Required -Patient Gender is optional
Doctor	login to the system	I can enter patient treatment information	As a Doctor I can login to the system so that I can enter patient treatment information.	-User name and email address required -User is locked out after 3 incorrect entries
Healthcare Company	add the number of test kits produced	the CDC can determine where test kits should be sent	As a Healthcare Company I can add the number of test kits produced so that the CDC can determine where test kits should be sent.	-Only numeric characters allowed -User can see data that previously entered
Healthcare Company	reset my password by myself	that I can login again.	As a Healthcare Company I can reset my password by myself so that that I can login again. .	-User must verify email address -User must verify answer security question to reset password
Medical Examiner	add a person's gender	deaths can be tracked by gender	As a Medical Examiner I can add a person's gender so that deaths can be tracked by gender .	-User can select from list of genders -User can update gender selection -Users gender selection is not shared with CDC Officials
Medical Examiner	am automatically logged out of the system	no one can access my account	As a Medical Examiner I am automatically logged out of the system so that no one can access my account.	-Timeout occurs after 15 mins of inactivity -After timeout user is returned to login page
Patient	change my test results	the system data is accurate	As a Patient I can change my test results so that the system data is accurate.	-User can modify test results twice -Doctors are notified when a patient changes test results
Patient	enter any stores that I visited 3 days before testing positive	others are aware of their potential exposure to the virus	As a Patient I can enter any stores that I visited 3 days before testing positive so that others are aware of their potential exposure to the virus.	-Option only visible for patients that report positive test -Can specify store name, date entered, city, and state

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As a..	...I can...	...so that...	Completed User Story	Acceptance Criteria (Minimum of 2)
System Administrator	give access to the system	users can access,import, share data.	As a System Administrator I can give access to the system so that users can access,import, share data..	-First and Last Name required -Enter email addresses -Gmail email address are not allowed access
System Administrator	remove access	users are not able to access the system	As a System Administrator I can remove access so that users are not able to access the system.	-Removed user receives email confirmation of removal -Removed user can't login once removed -System administrator must confirm the user that they are removing before leaving the page
Test Center	update/change the number of test kits received	data is accurate	As a Test Center I can update/change the number of test kits received so that data is accurate.	-Only allow update one time -Make user confirm change before leaving the page
Test Center	I want to be notified when my stock falls before a certain level,	I can proactively order additional testing supplies	As a Test Center I can I want to be notified when my stock falls before a certain level, so that I can proactively order additional testing supplies.	-System notifies user by email -User can set number that stock must reach for email to be sent -System notifies user upon login that stock is low
Patient	I want to report about my positive status with virus	system can be provided data as soon as possible	As a Patient I can I want to report about my positive status with virus so that system can be provided data as soon as possible.	- Form to report - Admin confirm reports - Systems show notices to relevant users
Patient	I want to contact with doctors from home if I can not go to the hospital	I can treat myself in the worst situation	As a Patient I can I want to contact with doctors from home if I can not go to the hospital so that I can treat myself in the worst situation.	- System connects patients with available doctors - System provide hotline for emergencies
CDC Official	I want to watch the heat maps of the outbreaks	new flexible strategies can be planned soon	As a CDC Official I can I want to watch the heat maps of the outbreaks so that new flexible strategies can be planned soon.	- User can search by town, districts, distance - Display on map - Map interaction
CDC Official	I want to be provided the final result of analytics about the spread of virus regionally	new flexible strategies can be planned soon	As a CDC Official I can I want to be provided the final result of analytics about the spread of virus regionally so that new flexible strategies can be planned soon.	- System collect data from users' reports - Automatically analyze and return results
Doctor	I want to create and update treatment guideline to system	the patients can access and treat themselves if necessary	As a Doctor I can I want to create and update treatment guideline to system so that the patients can access and treat themselves if necessary.	- Allow to create and update guideline - User can access it
Doctor	I can real-time chat with patients	the patients can be supported in emergency situation	As a Doctor I can I can real-time chat with patients so that the patients can be supported in emergency situation .	- Real time chat - In-app message - Notification
Healthcare Company	report amount of available testkits and their price	the patient can buy with affordable price	As a Healthcare Company I can report amount of available testkits and their price so that the patient can buy with affordable price.	- Form to report - Announce to users about accurate data

List at least 2 acceptance criteria for each User Story

[illegible]

Instructions: All of the user stories that you created will automatically appear in this sheet.
 Prioritize the user stories so that the highest value features are delivered to users first using the following parameters:
 There are 3 Releases- Release 1-MVP, Release 2, and Release 3 (All contained in the dropdown menus in Column D)
 -Release 1-MVP can only have 10 user stories
 -Release 2 can only have 10 user stories
 -Release 3 can only have 5 user stories
 -All remaining user stories are assigned to "Backlog for Future Release"

Hints/Tips:

-Question if a user role has too much functionality to be in the MVP release.
 -Question what is a nice-to-have vs high-value based on the scenario and vision.
 -Question if you should trade off- what is the worst thing that could happen if the user had to wait for that functionality to come later.
 -Refine, rewrite, or delete a user story in the blue user story tab if it doesn't fit into your Release or MVP plan

Role	User Story	Acceptance Criteria	Sprint	Release 1-MVP Total Stories =10	Release 2 Total Stories =10	Release 3 Total Stories =5	Backlog for Future Release
CDC Official	As a CDC Official I can view the number of patients that have reported testing positive so that so that I can analyze the outbreak .	-Patient names are anonymous -User can see a summary of the numbers provided -User must be logged in from a government IP address to view	Release 1-MVP	10	9	5	4
CDC Official	As a CDC Official I can see a report of the # of test kits that health care companies have created so that that I can send funding.	-User can see a summary of the total number of test kits -User can see a summary of the number of test kits produced by healthcare company -User can see the names of the health care company -User can see amount of funds sent to each health care company	Release 1-MVP				
Doctor	As a Doctor I can add the name of patients I have treated so that I can add treatments .	-Alpha Numeric characters are allowed -Patient First and Last Name required -Patient DOB required -Patient Location Required -Patient Gender is optional	Release 2				
Doctor	As a Doctor I can login to the system so that I can enter patient treatment information.	-User name and email address required -User is locked out after 3 incorrect entries	Backlog for Future Release				
Healthcare Company	As a Healthcare Company I can add the number of test kits produced so that the CDC can determine where test kits should be sent.	-Only numeric characters allowed -User can see data that previously entered	Release 1-MVP				
Healthcare Company	As a Healthcare Company I can reset my password by myself so that that I can login again. .	-User must verify email address -User must verify answer security question to reset password	Backlog for Future Release				
Medical Examiner	As a Medical Examiner I can add a person's gender so that deaths can be tracked by gender .	-User can select from list of genders -User can update gender selection -Users gender selection is not shared with CDC Officials	Release 3				
Medical Examiner	As a Medical Examiner I am automatically logged out of the system so that no one can access my account.	-Timeout occurs after 15 mins of inactivity -After timeout user is returned to login page	Release 3				
Patient	As a Patient I can change my test results so that the system data is accurate.	-User can modify test results twice -Doctors are notified when a patient changes test results	Release 2				
Patient	As a Patient I can enter any stores that I visited 3 days before testing positive so that others are aware of their potential exposure to the virus.	-Option only visible for patients that report positive test -Can specify store name, date entered, city, and state	Backlog for Future Release				
System Administrator	As a System Administrator I can give access to the system so that users can access,import, share data..	-First and Last Name required -Enter email addresses -Gmail email address are not allowed access	Release 1-MVP				
System Administrator	As a System Administrator I can remove access so that users are not able to access the system.	-Removed user receives email confirmation of removal -Removed user can't login once removed -System administrator must confirm the user that they are removing before leaving the page	Release 1-MVP				

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Role	User Story	Acceptance Criteria	Sprint	Release 1-MVP Total Stories =10	Release 2 Total Stories =10	Release 3 Total Stories =5	Backlog for Future Release
Test Center	As a Test Center I can update/change the number of test kits recieved so that data is accurate.	-Only allow update one time -Make user confirm change before leaving the page	Release 1-MVP				
Test Center	As a Test Center I can I want to be notified when my stock falls before a certain level, so that I can proactively order additional testing supplies.	-System notifies user by email -User can set number that stock must reach for email to be sent -System notifies user upon login that stock is low	Release 2				
Patient	As a Patient I can I want to report about my positive status with virus so that system can be provided data as soon as possible.	- Form to report - Admin confirm reports - Systems show notices to relevant users	Release 2				
Patient	As a Patient I can I want to contact with doctors from home if I can not go to the hospital so that I can treat myself in the worst situation.	- System connects patients with available doctors - System provide hotline for emergencies	Release 3				
CDC Official	As a CDC Official I can I want to watch the heat maps of the out breaks so that new flexible strategies can be planned soon.	- User can search by town, districts, distance - Display on map - Map interaction	Release 1-MVP				
CDC Official	As a CDC Official I can I want to be provided the final result of analytics about the spread of virus regionally so that new flexible strategies can be planned soon.	- System collect data from users' reports - Automatically analyze and return results	Release 2				
Doctor	As a Doctor I can I want to create and update treatment guideline to system so that the patients can access and treat themselves if necessary.	- Allow to create and update guideline - User can access it	Release 1-MVP				
Doctor	As a Doctor I can I can real-time chat with patients so that the patients can be supported in emergency situation .	- Real time chat - In-app message - Notification	Release 3				
Healthcare Company	As a Healthcare Company I can report amount of available testkits and their price so that the patient can buy with affordable price.	- Form to report - Announce to users about accurate data	Release 2				
Healthcare Company	As a Healthcare Company I can provide data about test deliveries so that the CDC can arrange appointments for tests also according to future test capacity.	- Report ETA for a test, also specifying the test center used as destination - Update status of delivery	Release 2				
Medical Examiner	As a Medical Examiner I can report a death caused by the virus so that data is accurate.	- report a of death caused by virus - generate reports relate to the number of death caused by the virus	Release 1-MVP				
Medical Examiner	As a Medical Examiner I can attach medical exams to report so that proof is included.	- attach to a report of death clinical exams results - add notes related to the exam	Release 2				
System Administrator	As a System Administrator I can monitor the health status of the system so that it is easier to define and solve issues .	- access a monitoring page - set email alerts related to specific thresholds	Backlog for Future Release				
System Administrator	As a System Administrator I can change user permission so that every user has the set of permissions needed for their specific tasks.	- list all the system users and see their current permissions - change permissions	Release 1-MVP				
Test Center	As a Test Center I can can check new test kits from Healthcare Company so that tests in the storage never under a allowed level.	- check the kits from Healthcare companies - write to companies and request more details about a shipment	Release 2				
Test Center	As a Test Center I can can report a unsolvable low level of tests to CDC so that CDC can arrange future tests.	- report a temporarily not solvable low number of tests to CDC - mark the Test Center test level as normal again	Release 3				

Hints/Tips:

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Instructions: Create a Release & MVP Plan in this sheet.

Copy your 10 Release 1-MVP user stories into column A, Rows 3-12 in the Release & MVP plan template

Copy your 10 Release 2 user stories into column A, Rows 13-22 in the Release & MVP plan template

Copy your 5 Release 3 user stories into column A, Rows 23-27 in the Release & MVP plan template

Releases	Sprints	User Story	Story Points
Release 1-MVP	Sprint 1	As a System Administrator I can give access to the system so that users can access,import, share data..	2
		As a System Administrator I can can change user permission so that every user has the set of permissions needed for their specific tasks.	3
		As a CDC Official I can I want to watch the heat maps of the out breaks so that new flexible strategies can be planned soon.	3
	Sprint 2	As a CDC Official I can view the number of patients that have reported testing positive so that so that I can analyze the outbreak .	5
		As a System Administrator I can can change user permission so that every user has the set of permissions needed for their specific tasks.	0.5
		As a Doctor I can I want to create and update treatment guideline to system so that the patients can access and treat themselves if necessary.	2
		As a Medical Examiner I can report a death caused by the virus so that data is accurate.	0.5
	Sprint 3	As a CDC Official I can see a report of the # of test kits that health care companies have created so that that I can send funding.	5
		As a Test Center I can update/change the number of test kits recieved so that data is accurate.	2
		As a Healthcare Company I can add the number of test kits produced so that the CDC can determine where test kits should be sent.	1
Release 2	Sprint 4	As a Medical Examiner I can attach medical exams to report so that proof is included.	5
		As a Patient I can change my test results so that the system data is accurate.	0.5
		As a Doctor I can add the name of patients I have treated so that I can add treatments .	1
		As a Test Center I can can check new test kits from Healthcare Company so that tests in the storage never under a allowed level.	1
		As a Medical Examiner I can attach medical exams to report so that proof is included.	0.5
	Sprint 5	As a Healthcare Company I can provide data about test deliveries so that the CDC can arrange appointments for tests also according to future test capacity.	1
		As a Test Center I can I want to be notified when my stock falls before a certain level, so that I can proactively order additional testing supplies.	2
		As a Patient I can I want to report about my positive status with virus so that system can be provided data as soon as possible.	2

		As a Patient I can I want to report about my positive status with virus so that system can be provided data as soon as possible.	1
		As a Healthcare Company I can report amount of available testkits and their price so that the patient can buy with affordable price.	3
Release 3	Sprint 6	As a Test Center I can can report a unsolvable low level of tests to CDC so that CDC can arrange future tests.	3
		As a Doctor I can I can real-time chat with patients so that the patients can be supported in emergency situation .	5
	Sprint 7	As a Medical Examiner I can add a person's gender so that deaths can be tracked by gender .	2
		As a Medical Examiner I am automatically logged out of the system so that no one can access my account.	0.5
		As a Patient I can I want to contact with doctors from home if I can not go to the hospital so that I can treat myself in the worst situation.	5