

Test Cases

ID	User Story	Test Cases	Expected Result
Cov6	As a user I should have a Apk file which can be installed in mobile with basic functionalities.	1. When the user attempts to install the application on a mobile device then the application should install correctly and display the basic functionalities.	Application will be installed and displays basic functionalities
Cov6		2.When the user attempts to install the application on a mobile device then the application should be compatible with the device's operating system and the installation should not be blocked due to incompatibility.	The application should be successfully installed on the device.
Cov7	As a user I should be able to see the welcome page for Application.	1. When the user is on the welcome page then the user should see a welcome message, a login button, and a register button.	The user should see a welcome message, a login button, and a register button.
Cov7		2. When the user attempts to login then the user should be directed to the login page.	The user should be directed to the login page.
Cov8	As a user I should be able to see the Knowledge page after welcome page , which has information of how application works.	1.When user clicks on the Knowledge page then the Knowledge page should be displayed, with information about how the application works	User should be able to view the Knowledge page with information about how the application works.
Cov8		2.When user refreshes the page then user should be able to see the content of Knowledge page which includes information of how application works	User should be able to see the content of Knowledge page which includes information of how application works
Cov9	As a user I should be able to give all the required permissions to application to access the required data in mobile.	1.When user opens the application then user should be able to see a list of permissions the application requires, and a button to give permission	User should be able to give the required permissions to the application successfully.
Cov9		2.When user clicks the permission button then user should be able to see a pop-up window with a list of permission options	User should be able to select the permission options and successfully grant permission to the application.
Cov10	As a user I should be able to reset the permissions for application anytime.	1.When the user selects the "Reset Permissions" option then all permissions for the application should be reset to the default settings	Permissions are reset to the default settings
Cov10		2.When the user selects the "Reset Permissions" option then all user roles and profiles are removed	All user roles and profiles are removed and the application is reset to its default settings.
Cov11	As a user I should be able to see the Registration page for the application.	1.When user clicks on the "Register" button then user should be directed to the Registration page.	User should be on the Registration page
Cov11		2.When user clicks on the "Go Back" button then user should be directed to the homepage	User should be on the homepage

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Cov12	As a user I should be able to the user name and get registered in the application.	1.When the user clicks the submit button after entering a valid username then the user should be registered in the application	User should be successfully registered in the application
Cov12		2.When the user clicks the submit button then the user should not be registered in the application	User should receive an error message notifying them that the username already exists and they cannot register.
Cov13	As a user I should be able to get pop up notification to turn on bluetooth if application is being use d.	1.When user opens application then a pop up notification appears asking user to turn on bluetooth	Bluetooth is successfully enabled
Cov13		2. When user opens application after bluetooth is enabled then no pop up notification appears	Application launches normally and bluetooth stays enabled
Cov14	As a user I should be able to get pop up notification, asking required permissions for the application.	1.When user clicks on the "Allow" button then a pop up notification should appear, asking permission for the application to access device location	The application should be granted access to the device location
Cov14		2.When user clicks on the "Deny" button then a pop up notification should appear, asking permission for the application to access device camera	The application should not be granted access to the device camera
Cov15	As a registered user I should be able to see the home page, once I login in to the application.	1.When user enters their login credentials correctly then user should be taken to the home page	User is successfully taken to the home page
Cov15		2.When User enters their login credentials incorrectly then user should be denied access to the home page	User is denied access to the home page

ID	Unit of Test	Scenario	Test Data	Steps to be Expected	Expected Result
Cov-16	Logout	Successful Logout	Email –example@example.com, Password: test123	Homepage ->Logout	When the user click on the settings icon in the application user should be able to see the logout option in the menu
Cov-16	Logout	Successful Logout	Email – email@email.com Password – Email@99	Homepage ->Logout	When the user click on the logout option user should be able to logout from the application without any error.
Cov-17	Sign Up	Sign Up should be Successful	Name – Sai Email - example@example.com, Password: test123	Homepage ->Sign Up	Check result on Entering valid Name, Email and Password

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Cov-17	Sign Up	It should show an error as "Email is already in use"	Name – Anil Email – email@email.com Password – Email@99	Homepage -> Sign Up	Check result email entering already used
Cov-17	Sign Up	It should show an error "Enter the password with given parameters"	Name – Anivi Email – password@mail.com Password – Password@14	Homepage -> Sign Up	Check the response did the password is containing all the parameters
Cov-18	Login	Successful Login	Email – example@example.com, Password – test123	Homepage -> Login	User should be successfully logged in and redirected to the relevant page or dashboard.
Cov-18	Login	Invalid Email ID	invalid email, Password: test123	Homepage -> Login	User should see an error message indicating that the email ID is invalid and should be prompted to enter a valid email ID.
Cov-19	Login	Invalid Password	example@example.com, Password – invalid password	Homepage -> Login	User should see an error message indicating that the password is incorrect and should be prompted to enter the correct password.
Cov-18	Login	Forgot Password	Click on "Forgot Password" link	Homepage -> Login	User should be redirected to the password reset page where they can enter their registered email ID to reset their password.
Cov-18	Login	Account Lockout	Enter incorrect password multiple times	Homepage -> Login	User's account should be temporarily locked after a certain number of failed logins attempts to protect against brute force attacks.
Cov-18	Login	Logout	Click on "Logout" or "Sign Out" option	Homepage -> Login	User should be successfully logged out of their account and redirected to the login page.
Cov-19	Home page	Open the home page	Verify that all features listed in the home page are visible and displayed correctly.	Login-> Home page	All features listed in the home page should be visible and displayed correctly.
Cov-19	Home page	Click on each feature listed in the home page.	Verify that each feature is accessible and functional.	Login-> Home page	All features listed in the home page should be accessible and functional.
Cov-19	Home page	Open the home page on a mobile device.	Verify that the home page is responsive and optimized for the mobile device	Login-> Home page	The home page should be responsive and optimized for the mobile device.

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Cov-19	Home page	Verify that the navigation menu is visible and clearly labelled on every page of the application	Open the application and navigate to a page. Verify that the navigation menu is visible. Verify that the labels of the menu items are clear and descriptive.	Login-> Home page	The navigation menu is visible and clearly labelled.
Cov-20	Home page	Verify that the navigation menu is organized and structured logically.	Open the application and navigate to the home page. Verify that the navigation menu items are organized in a logical manner. Verify that related pages are grouped together.	Login-> Home page	The navigation menu is organized and structured logically.
Cov-20	Home page	Verify that the navigation menu is optimized for smaller screens.	Open the application on a mobile device. Verify that the navigation menu is collapsed and can be expanded with a tap. Verify that the menu items are clearly visible and easy to tap on.	Login-> Home page	The navigation menu is optimized for smaller screens.
Cov-20	Home page	Verify that the navigation menu includes a search bar.	Open the application and navigate to the home page. Verify that the navigation menu includes a search bar. Type a search term into the search bar.	Login-> Home page	The navigation menu includes a search bar and search results are relevant.
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Covid 21	Home page	As a registered user I want to see the play the button in the Bluetooth screen page so that I can start searching for infected users near	Login as a registered user. Navigate to the Bluetooth screen page. Verify that the "Play" button is displayed on the screen.	Login>Homepage	The "Play" button is displayed on the Bluetooth screen page for registered	
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Covid 22	Home page	As a registered user I want to see the pause button in the Bluetooth screen page so that I can stop scanning for infected users in the application.	Login as a registered user. Navigate to the Bluetooth screen page. Click on the "Pause" button while scanning is in progress. Verify that the scanning process is paused and the "Resume" button is displayed	Login>Homepage	The scanning process is paused when the "Pause" button is clicked, and the "Resume" button is displayed.
Covid 23	Home page	As a registered user I want to see the option for changing the user's name in settings page so that I can change the user's name.	Login as a registered user. Navigate to the settings page. Verify that an option for changing the user's name is displayed.	Login>Homepage	An option for changing the user's name is displayed in the settings page for registered users.
		As a registered user I want	Login as a registered user.		The user's status is updated as COVID-19 infected with the date entered in the application.

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Covid 24	Home page	to see the option for marking as covid 19 infected person in settings page so that I can update my status whenever I diagnosed with covid.	Navigate to the settings page. Click on the option for marking as COVID-19 infected. Confirm the action and enter the date when the user was diagnosed with COVID-19. Save the changes. Verify that the user's status has been updated as COVID-19 infected with the date entered.	Login>Homepage
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Covid 25	Home page	As a registered user I want to see the option for deleting my account in settings page so that	Login as a registered user. Navigate to the settings page.		The user's account is deleted and the user is logged out of the application.
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		I can delete my account	Click on the option for deleting the account. Confirm the action. Verify that the user's account has been deleted and the user is logged out of the application	Login>Homepage	
Covid-24	Bluetooth screen page	As a registered user I want to see the play button in the Bluetooth screen page so that I can start searching for infected users near my location.	Login as a registered user. Navigate to Bluetooth screen page. Tap the Bluetooth play button to start searching for infected users.	Login>Home page>Bluetooth screen page	App starts searching for the infected users near my location.
Covid-25	Bluetooth screen page	As a registered user I want to see the pause button in the Bluetooth screen page so that I can stop searching for infected users in the application.	Login as a registered user. Navigate to Bluetooth screen page. Tap on the Bluetooth pause button to stop searching for the infected users.	Login>Home page>Bluetooth screen page	App stops searching for the infected users in the application.
Covid-36	Login page	As a registered user I want to have a option to integrate app with Gmail so that I can use the Gmail to login to the application.	When I open the applications login page I should see a option for login with Gmail. After clicking that option, I should be redirected to Gmail login page. After entering a valid mail id and	Login with Gmail>Gmail login page>Application home page	Application will be successfully logged in with the Gmail.

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			password I should be redirected to the application and my mail should be linked with the application.		
Covid-37	Settings Page	As a registered user I want to have a functionality to enable alerts so that I can turn it on whenever needed.	Login as a registered user. Navigate to settings page. Click on the option "Enable Alerts". Turn on the alerts and save the changes.	Login>settings page	Your Alerts will be turned on.

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Test ID	User ID	User Story	Test Data	Steps to be taken	Expected Result	Actual Result
TC ID-37	Covid-26	As a registered user I want to see the option for marking as covid 19 infected person in settings page so that I can update my status whenever I diagnosed with covid.	Username: Thecnocrats@gmail.com Password : Alliswell@1	Login as a registered user. Navigate to settings page. Tap on option Covid-19 status to mark yourself as a covid 19 infected person.	User should be marked as a covid-19 infected person successfully.	User will be marked as a covid-19 infected person successfully.
TC ID-38	Covid-27	As a registered user I should be able to send my application QR code to my friend to add in the friend list	Username: Thecnocrats@gmail.com Password : Alliswell@1	Login as a registered user. Tap on the Friends tab. You can see the option for sharing the QR code.	User should be able to share the QR code to users friends to add to the friend list.	User will share the QR code successfully to users friends to add to their friend list.
TC ID-39	Covid-28	As a registered user I want to see the option for deleting my account in settings page so that I can delete my account.	Username: Thecnocrats@gmail.com Password : Alliswell@1	Login as a registered user. Go to settings page. You can see the option manage my account. Click on it and there will be a option to delete my account	User should be able to delete user account without any inconvenience.	User account will be deleted successfully.
TC ID-40	Covid-29	As a registered user I should be able to white list my trusted friends	Username: Thecnocrats@gmail.com Password : Alliswell@1	Login as a registered user. Navigate to settings page.	User should be able to add his trusted friends to the whitelist.	User can add his trusted friends to his whitelist or Trusted friends.

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				Click on the option trusted friends. User can add his friends to his whitelist or trusted friends		
TC ID-41	Covid-30	As a registered user I should be able to remove the friends from white list.	Username: Thecnocrats@gmail.com Password : Alliswell@1	Login as a registered user. Navigate to settings page. Tap on the Trusted friends list. Tap on the friend name that you want to remove from friend list. Click on the option remove from friend list.	User should be able to remove users friends from the whitelist.	User can remove users friends from the whitelist without any issues.