

# 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<br>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<br>Email - example@example.com,<br>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<br>Email – email@email.com<br>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<br>Email – password@mail.com<br>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,<br>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,<br>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.<br>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. |
| ID     | Unit of Test | Scenario   | Test Data  | Steps to be Expected | Expected Result  |

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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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|          |           | my location.  |   |                |  |
| 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 | <p>The scanning process is paused when the "Pause" button is clicked, and the</p>  |
| 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 | <p>An option for changing the user's name is displayed in the settings page for registered users.</p>  |
|          |           | 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 t   |

# Test Cases

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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.<br>Confirm the action.<br>Verify that the user's account has been deleted and the user is logged out of the application | Login>Homepage |  |
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| 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.<br>Navigate to Bluetooth screen page.<br>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.<br>Navigate to Bluetooth screen page.<br>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.<br>After clicking that option, I should be redirected to Gmail login page.<br>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. |