

Test case ID	Feature Type	Component
WelcomePage_TC_001	Functional	Welcome Page
LoginPage_TC_002	Functional	Login Page
LoginPage_TC_003	Functional	Login page
LoginPage_TC_004	Functional	Login page

<b>LoginPage_TC_005</b>	<b>Functional</b>	<b>Login page</b>
<b>LoginPage_TC_006</b>	<b>Functional</b>	<b>Login page</b>
<b>SignupPage_TC_007</b>	<b>Functional</b>	<b>Signup Page</b>
<b>SignupPage_TC_008</b>	<b>Functional</b>	<b>Signup Page</b>
<b>SignupPage_TC_009</b>	<b>Functional</b>	<b>Signup Page</b>
<b>SignupPage_TC_010</b>	<b>Functional</b>	<b>Signup Page</b>
<b>SignupPage_TC_011</b>	<b>Functional</b>	<b>Signup Page</b>

<b>HomePage_ TC_012</b>	<b>Functional</b>	<b>Welcome Page</b>
<b>HomePage_ TC_013</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_014</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_015</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_016</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_017</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_018</b>	<b>Functional</b>	<b>Home Page</b>

<b>HomePage_ TC_019</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_020</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_021</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_022</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_023</b>	<b>Functional</b>	<b>Home Page</b>
<b>HomePage_ TC_024</b>	<b>Functional</b>	<b>Home Page</b>

<b>CropRecommendationPage_TC_025</b>	<b>Functional</b>	<b>Crop Recommendation Page</b>
<b>CropRecommendationPage_TC_026</b>	<b>Functional</b>	<b>Crop Recommendation Page</b>
<b>CropRecommendationPage_TC_027</b>	<b>Functional</b>	<b>Crop Recommendation Page</b>

	<b>Date</b>
	<b>Team ID</b>
	<b>Project Name</b>
	<b>Maximum Marks</b>
<b>Test Scenario</b>	<b>Pre-Requisite</b>
Verify user is able to see the Login/Signup page when user clicked on Get Started Button in the Welcome page	Account to login or data to signup or google account to signup/signin
Verify the UI elements in Login page	Credentials to login
Verify user is able to log into application with Valid credentials	Account to login or data to signup
Verify user is able to log into application with InValid credentials	Account to login or data to signup

<b>Verify user is able to log into application with InValid credentials</b>	<b>Login credentials</b>
<b>Verify user is able to log into application with google sign-on</b>	<b>Signed in google account</b>
<b>Verify the UI elements in Signup page</b>	<b>Credentials to signup</b>
<b>Verify user is able to signup into application with Valid credentials</b>	<b>Data to signup</b>
<b>Verify user is able to signup into application with InValid credentials</b>	<b>Data to signup</b>
<b>Verify user is able to signup into application with InValid credentials</b>	<b>Existing Data to signup</b>
<b>Verify user is able to signup into application with google sign-on</b>	<b>Signed in google account</b>

<b>Verify user is able to see the Home page when user clicked on Get Started Button in the Welcome page while logged in.</b>	<b>Logged in state</b>
<b>User is able to see the Home tab when user clicked Get Started Button in welcome page/ clicked home tab in home page</b>	<b>Logged in state</b>
<b>User is able to see the Analytics tab when user clicked Analytics tab in home page</b>	<b>Logged in state</b>
<b>User is able to see the Predict Production tab when user clicked Predict Production tab in home page</b>	<b>Logged in state</b>
<b>User is able to see the Prediction History tab when user clicked Prediction History tab in home page</b>	<b>Logged in state</b>
<b>User is able to see the Recommendation System when user clicked Crop Recommendation tab in home page</b>	<b>Logged in state</b>
<b>User is able to logout when user clicked sign out tab in home page</b>	<b>Logged in state</b>



<b>User is able to see the Predict Production tab when user clicked Predict Yield Button in home tab in home page</b>	<b>Logged in state</b>
<b>User is able to see various Analytic charts when user clicked various numbers in Analytics tab</b>	<b>Logged in state</b>
<b>User is able to predict output by giving inputs for prediction in predict production tab</b>	<b>Logged in state</b>
<b>User is not able to predict output unless he/she gives input to all fields in predict production tab</b>	<b>Logged in state</b>
<b>User is able to see the Prediction History when user clicked Prediction History tab in home page</b>	<b>Logged in state</b>
<b>User is able to see the Recommendation system when user clicked Crop Recommendation tab in home page</b>	<b>none</b>

<b>User is able to see the Crops that are recommended for a district that the user has specified</b>	<b>none</b>
<b>User is able to see the Crops that are recommended for a season that the user has specified</b>	<b>none</b>
<b>User is able to see the Crops that are recommended for a district and a season combined that the user has specified</b>	<b>none</b>

03-Nov-22	
PNT2022TMID28405	
Estimate the Crop Yield using Data	
4 marks	
Steps To Execute	Test Data
1.Enter URL and click go 2.Click on Get Started Button 3.Verify whether login/Singup page displayed or not	<a href="http://localhost:5000">http://localhost:5000</a>
1.Enter URL and click go 2.Verify login/Singup popup with below UI elements: a. email text box b.password text box c.Login button d. Sign in using google e. New customer? Create account link	<a href="http://localhost:5000/login">http://localhost:5000/login</a>
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2.Enter Valid email in Email text box 3.Enter valid password in password text box 4.Click on login button	email: logachan08@gmail.com password: Testing123
1. Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Enter Invalid email in Email text box 3. Enter valid password in password text box 4. Click on login button	email: logachan08@gmail.com password: Testing123

<p>1. Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Enter valid email in Email text box</p> <p>3. Enter Invalid password in password text box</p> <p>4. Click on login button</p>	<p>email: logachan08@gmail.com password: Testing123</p>
<p>1. Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click on login using google button</p>	<p>none</p>
<p>1.Enter URL and click go</p> <p>2. Click signup button to go to signup field.</p> <p>3. Verify Singup fields with below UI elements:</p>	<p><a href="http://localhost:5000/login">http://localhost:5000/login</a></p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click signup button to go to</p>	<p>Username: logachander email: logachan08@gmail.com password: Testing123</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p>	<p>Username: logachander email: logachan08@gmail.com</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click signup button to go to signup field.</p> <p>3. Enter valid username in</p>	<p>Username: logachander email: logachan08@gmail.com password: Testing123 confirm password: Testing123</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click signup button to go to signup field.</p> <p>3. Click signup using google button</p>	<p>none</p>

1.Enter URL and click go 2.Click on Get Started Button 3.Verify whether Home page displayed or not	<a href="http://localhost:5000">http://localhost:5000</a>
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Home Tab	none
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Analytics Tab	none
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Predict Production Tab	none
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Prediction History Tab	none
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Crop recommendation Tab	none
1.Enter URL( <a href="http://localhost:5000/login">http://localhost:5000/login</a> ) and click go 2. Click Sign Out Tab	none

<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Predict Yield Button in Home Tab</p>	<p>none</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Analytics Tab</p> <p>3. Click on the numbers below to navigate between analytic charts</p>	<p>none</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Predict Production Tab</p> <p>3. Enter the values in all fields</p> <p>4. Enter estimated production</p> <p>5. Click Predict Button</p>	<p>State: Tamil Nadu District: Madurai Crop_Year: 2022 Season: Kharif Crop: Cabbage Area: 20 Estimated Production: 150</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Predict Production Tab</p> <p>3. Enter the values in some fields</p>	<p>State: Tamil Nadu District: Madurai Crop_Year: 2022 Season: Kharif</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Prediction History Tab</p>	<p>none</p>
<p>1.Enter URL(<a href="http://localhost:5000/login">http://localhost:5000/login</a>) and click go</p> <p>2. Click Crop Recommendation Tab</p>	<p>none</p>

<p>1.Enter URL(<a href="http://localhost:5000/crop_recommendation">http://localhost:5000/crop_recommendation</a>) and click go</p> <p>2. Select District Name to see the crops</p>	<p>district: Madurai</p>
<p>1.Enter URL(<a href="http://localhost:5000/crop_recommendation">http://localhost:5000/crop_recommendation</a>) and click go</p> <p>2. Select Season Name to see the crops</p>	<p>season: whole year</p>
<p>1.Enter URL(<a href="http://localhost:5000/crop_recommendation">http://localhost:5000/crop_recommendation</a>) and click go</p> <p>2. Select District Name and Season name to see the crops</p>	<p>district: Madurai season: whole year</p>

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Expected Result	Actual Result	Status	Comments
Login/Signup page should be displayed	Working as expected	Pass	
Application should show below UI elements: a.email text box b.password text box c.Login button d. Sign in using google e. New customer? Create account link	Working as expected	Pass	
User should navigate to user account homepage	Working as expected	pass	
Application should show 'Incorrect credentials ' validation message.	Working as expected	Pass	



<b>Application should show 'Incorrect credentials ' validation message.</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>User should navigate to user account homepage</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Application should show below UI elements: a. username text box b. email text box c. password text box</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>User should navigate to user account homepage and welcome mail should be received for the user</b>	<b>Working as expected</b>	<b>pass</b>	
<b>Application should show 'Password and confirm password are not same' validation message.</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Application should show 'Existing account ' validation message.</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>User should navigate to user account homepage and welcome mail should be received for the user</b>	<b>Working as expected</b>	<b>Pass</b>	

<b>Home page should be displayed</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Home tab should be displayed in home page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Analytics tab should be displayed in home page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Predict Production tab should be displayed in home page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Prediction History tab should be displayed in home page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Recommendation System should be displayed in a new page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>User should be redirected to welcome page</b>	<b>Working as expected</b>	<b>Pass</b>	

<b>Predict Production tab should be displayed in home page</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Various charts are displayed upon clicking various numbers</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Predicted Production along with Estimated Production and result of profit/loss in displayed in the predict production tab.</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Predict Yield button is not displayed unless all values are specified</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Prediction History results are displayed in the Prediction History Tab</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Crop Recommendation System is displayed in a new page</b>	<b>Working as expected</b>	<b>Pass</b>	

<b>Crops are displayed in the crop recommendation page according to the user input</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Crops are displayed in the crop recommendation page according to the user input</b>	<b>Working as expected</b>	<b>Pass</b>	
<b>Crops are displayed in the crop recommendation page according to the user input</b>	<b>Working as expected</b>	<b>Pass</b>	

TC for Automation(Y/N)	BUG ID	Executed By
Y		Logachander B
Y		Hemanth Prabhu S
Y		Balamurugan T
Y		Arwin Ponsel R

<b>Y</b>		<b>Logachander B</b>
<b>Y</b>		<b>Balamurugan T</b>
<b>Y</b>		<b>Logachander B</b>
<b>Y</b>		<b>Hemanth Prabhu S</b>
<b>Y</b>		<b>Arwin Ponsel R</b>
<b>Y</b>		<b>Balamurugan T</b>
<b>Y</b>		<b>Hemanth Prabhu S</b>

Y		Logachander B
Y		Balamurugan T
Y		Arwin Ponsel R
Y		Hemanth Prabhu S
Y		Logachander B
Y		Balamurugan T
Y		Arwin Ponsel R

<b>Y</b>		<b>Hemanth Prabhu S</b>
<b>Y</b>		<b>Logachander B</b>
<b>Y</b>		<b>Hemanth Prabhu S</b>
<b>Y</b>		<b>Balamurugan T</b>
<b>Y</b>		<b>Logachander B</b>
<b>Y</b>		<b>Hemanth Prabhu S</b>



Y		Logachander B
Y		Arwin Ponsel R
Y		Logachander B

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## **Test Scenarios**

Verify user is able to see the Login/Signup page when user clicked on Get Started Button in the Welcome page

Verify the UI elements in Login page

Verify user is able to log into application with Valid credentials

Verify user is able to log into application with Invalid credentials

Verify user is able to log into application with Invalid credentials

Verify user is able to log into application with google sign-on

Verify the UI elements in Signup page

Verify user is able to singup into application with Valid credentials

Verify user is able to signup into application with Invalid credentials

Verify user is able to signup into application with Invalid credentials

Verify user is able to signup into application with google sign-on

Verify user is able to see the Home page when user clicked on Get Started Button in the Welcome page

User is able to see the Home tab when user clicked Get Started Button in welcome page/ clicked home tab

User is able to see the Analytics tab when user clicked Analytics tab in home page

User is able to see the Predict Production tab when user clicked Predict Production tab in home page

User is able to see the Prediction History tab when user clicked Prediction History tab in home page

User is able to see the Recommendation System when user clicked Crop Recommendation tab in home page

User is able to logout when user clicked sign out tab in home page

User is able to see the Predict Production tab when user clicked Predict Yield Button in home tab in home page

User is able to see various Analytic charts when user clicked various numbers in Analytics tab

User is able to predict output by giving inputs for prediction in predict production tab

User is not able to predict output unless he/she gives input to all fields in predict production tab

User is able to see the Prediction History when user clicked Prediction History tab in home page

User is able to see the Recommendation system when user clicked Crop Recommendation tab in home page

User is able to see the Crops that are recommended for a district that the user has specified

User is able to see the Crops that are recommended for a season that the user has specified

User is able to see the Crops that are recommended for a district and a season combined that the user has specified

## **Filter**

Verify user is able to filter by typing words into the search box

Verify user is able to see no matches found message when no results are matching with entered keyword

Verify user is able to see search detailed page when nothing entered in textbox