DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING

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TEST CASES:

Test case ID	Component	Test Scenario	Pre-requisite	Steps to execute	Test data	Exp result	Status
TC_01	Login/ register page	Verify user is able to see the login/ signup when user register and login	Any latest version browser	1.Enter URL and click go 2.Click register link 3.Enter your credentials 4.Click register 5.Verify login/ signup	1.Email id 2. password	If login successful, it redirected to prediction page	Pass
TC_02	Login Page	Verify user is able to log into application with Valid credentials	Any latest version browser	1.Enter URL and click go 2. Enter Valid email in email text box 3.Enter valid password in password text box	1.Email id 2. password	User page is navigated to prediction page	pass

				4.Click on login button			
TC_03	Login page	Verify user is able to log into application with invalid credentials	Any latest version browser	1.Enter URL and click go 2.Enter Valid email in email text box 3.Enter invalid password in password text box 4.Click on login button	1.Email id 2. password	Application should show password validation message	pass
TC_04	Login page	Verify user is able to log into application with invalid credentials	Any latest version browser	1.Enter URL and click go 2.Enter inValid or new email in email text box 3.Enter valid password in password text box 4.Click on login button	1. in valid or new Email id 2. Password	Application should redirected to register page or show user exist message	pass
TC_05	Register page	Verify user is able to log into application with InValid credentials	any latest version browser	1.Enter URL and click go 2.go to register 3.Enter already registered email in email text box 4.Enter valid password in password text box 5.Click on register button	1.already registered Email id 2. Password	Application should redirected to login page with already user exist message	pass

TC_06	prediction page	Verify user is able to get prediction with valid input	any latest version browser	1.Enter URL and click go 2. login with valid user credentials 3.click login in prediction page, enter valid input data 4.Click on predict	1. valid Email id 2. password 3.valid input data	User is navigated to result page and get prediction	pass
TC_07	prediction page	Verify user is able warnings on try predict with InValid input data	any latest version browser	1.Enter URL and click go 2. login with valid user credentials 3.click login in prediction page, enter invalid input data 4.Click on predict button	1. valid Email id 2. password 3.valid input data	User is redirected to page with warning message	pass
TC_08	Result page	Verify user is able to see prediction with other UI componen ts like prediction page button, feedback and complaint button	any latest version browser	1.Enter URL and click go 2. login with valid user credentials 3.click login in prediction page, enter valid input data 4.Click on predict button	1. valid Email id 2. password 3.valid input data	User is navigated to result page and get prediction and able to see other components	pass
TC_09	Result page	Verify user is able to go back prediction page, go	any latest version browser	1.Enter URL and click go 2. login with valid user credentials	1. valid Email id 2. password	User is navigated to result page and get prediction and able to	pass

		to feedback or complaint form with UI componen ts like prediction page button, feedback and complaint button		3.click login in prediction page, enter valid input data 4.Click on predict button 5.click on prediction page button 6.click feedback or complaint button	3.valid input data	see other components	

USER ACCEPTANCE TEST

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issuesof the Developing a flight delay prediction model using machine learning project at the time of the release to User Acceptance Testing (UAT).

2.Defect analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved.

Resolution	**Severity 1**	**Severity 2**	**Severity 3**	**Severity 4**	**Subtotal**
By Design	8	4	2	3	15
Duplicate	0	0	0	0	0
External	2	1	0	1	4
Fixed	15	10	4	5	34
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	23	15	6	9	53

3.Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested.

Section	Total cases	Not tested	Fail	Pass
Client Application	12	0	0	12
Security	2	0	0	2
Exception Reporting	6	0	0	6
Final Report output	4	0	0	4