PES UNIVERSITY
Department of Computer Science and Engineering
UE22CS341A: Software Engineering

Test Plan Document

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Login Page

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_01	Login Page	Verify successful login for user	User account exists with known credentials	1. Open login page 2. Enter valid email and password 3. Click login button	Email:newuser@example.com Password: Newuser123!	User is redirected to the booking page	User is redirected to the booking page	Pass
UT_02	Login Page	Verify successful login for admin	Admin account exists with known credentials	1. Open login page 2. Enter valid email and password 3. Click login button	Email: admin@example.com Password: Admin123!	User is redirected to the admin page	User is redirected to the admin page	Pass
UT_03	Login Page	Verifying unsuccessful login with invalid password/email	Access to any Browser	1. Open login page 2. Enter invalid email/password 3. Click login button	Emsil: random@example.com Password: Random123!	Invalid email or password.	Invalid email or password.	Pass
UT_04	Login Page	Verifying unsuccessful login with all empty fields	Access to any Browser	1. Open login page 2. Leave all fields empty 3. Click login button	Email: Password:	Invalid email or password.	Invalid email or password.	Pass
UT_05	Login Page	Verify login-logout sequence	User account exists with known credentials	1. Open booking page 2. Click logout/ctrl+R 3. Try to access booking page again	Email:newuser@example.com Password: Newuser123!	User is redirected to login page	User is redirected to login page	Pass
UT_06	Login Page	Checking if user is blacklisted	User account exists with known credentials	1. Open login page 2. Enter credentials of blacklisted user	Email:john.smith@example.com Password: John123!	Error msg in frontend and backend server	Error msg in frontend and backend server	Pass

Booking Page

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_01	Search Button	After user clicks search button available flights should be displayed(valid data)	User logged in as non admin and has access to web browser	1. Log in to booking page 2. Click on search	N/A	A modal displaying all the available flights(present in the database) based on details inputted	A modal displaying all the available flights(present in the databse) based on details inputted	Pass
UT_02	Search Button	User inputs invalid data and clicks the search button	User has logged in as a non-admin and has access to a web browser	1.Log in to booking page 2.Click on search	N/A	Nothing should be displayed and there should be error msg in backend server	Nothing should be displayed and there should be error msg in backend server	Pass
UT_03	Book Selected Flight Button	User chooses flight of his choice from the displayed available flights	User has logged in as a non-admin and has access to a web browser	1. Login to booking page 2. Click on search 3. Choose the flight from available flights	Available flights present in MySQL database	Booking successful an value populated into ticket table in the database	Booking successful an value populated into ticket table in the database	Pass
UT_04	Cancel Button	User cancels ticket	User has logged in as a non-admin and has access to a web browser	1. Login to booking page 2. Click cancel button after booking the flight initially	Flight booked and present in database	Cancel operation succesful and value deleted from the ticket table in the database	Cancel operation successful and value deleted from the ticket table in the database	Pass

| UT_05 | Reroute button | After selecting a flight if status is cancelled user can select alternate flight by clicking the reroute button | User has logged in as a non-admin and has access to a web browser | 1. Login to booking page 2. Click reroute button after initially booking a flight | Flight_id 4 and 12 in Flights table of the database | Alternate flight displayed as a modal | Alternate flight displayed as a modal | Pass |

Admin Page

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_01	Edit Schedule Button	Admin is trying to input a flight which violates the runway_conflict trigger	Uesr logins to admin page as an admin and has acess to a web browser	1. Log in as an admin 2. Enter details that conflict with runway_conflicts trigger 3. Click edit schedule	Insert details which conflict with the runway of flight_id 1	Error msg displayed due to trigger	Error msg displayed due to trigger	Pass

Home, Contact Us, About Us Pages

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_01	Hovering over Cards	When user hovers over the cards on the page additional info is is displayed	User has access to web browser	User hovers mouse over the cards present in the webpage	N/A	Additional info displayed	Additional info displayed	Pass

UT_02	Social Media links	On clicking the social media icons present in the footer user is redirected to the site	User has access to web browser and internet connection	User clicks the social media icons present in the footer	N/A	User redirected to specific social media site	User redirected to specific social media site	Pass