Test Planner and Tracker

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Test No. ID	Related Use case	Pre-conditions	Test Description (steps)	Expected Outcome	Sprint 2 Outcome	Comments (if test case failed)	Sprint 3 Outcome	Comments (if test case failed)	Sprint 4 Outcome	Comments (if test case failed)	R1 Outcome	Comments (if test case failed)	Sprint 5 Outcome	Comments (if test case failed)	Sprint 6 Outcome	Comments (if test case failed)	Sprint 7 Outcome	Comments (if test case failed)	R2 Outcome	Comments (if test case failed)
1	Register	Register page should be opened.	1) Open the register page. 2) Leave all the fields empty.	Error saying that all fields should be filled is to be displayed.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]		[green]		[green]	
2	Register	Register page should be opened.	1) Open the register page. 2) Try a used username. 3) Check the db (should be empty)	Error saying that username is already in use should be displayed.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]	
3	Register	Register page should be opened.	1) Open the register page. 2) Try a password with less length, i.e a weak password. 3) Check the db (should be empty)	Error saying that password is weak should be displayed. Instructions for the password to be strong should be provided.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]	
4	Register	Register page should be opened.	1) Open the register page. 2) Email provided in wrong format. 3) Check the db (should be empty)	Error saying that Email is invalid should be printed.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]	
5	Register	Register page should be opened. All the fields are supposed to be filled in correct format.	1) Open the register page. 2) Enter the necessary details. 3) Check for the data in the database.	1) If all conditions are satisfied, registration should be completed successfully and the data should be stored in the DB. 2) If the necessary datatypes are not given or if all the fields arent filled it should display an error.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]		[green]		[green]	
6	Login (Google)	Register page should be opened.	1) Open the register page. 2) Click on Login with Google account 3) Provide the wrong details. 3) Check the db (should be empty)	Authentication should not be done, should give error.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[red]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	
7	Login (Google)	Register page should be opened. User logging in from google for the first time.	1) Open the register page. 2) Click on Login with Google account 3) Provide correct details. 4) Check for data in the database.	1) A Form asking for the user-type should be provided and it should be saved in DB. 2) Registration and authentication should be completed successfully and the data should be stored in the DB.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[red]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	
8	Register (Google)	Register page should be opened. User logging in from google for the first time.	1) Open the register page. 2) Click on Login with Google account 3) Provide correct details.	Authentication should be done.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[red]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	Google Authentication left to later sprints.	[green]	
9	Login	Login page should be opened. (User is not registered)	1) Open the Login page 2) Enter the necessary details.	Error saying that user not registered should be displayed.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]		[green]		[green]	
10	Login	Login page should be opened. User should be registered	1) Open the register page and register 2) Open the login page. 3) Do not enter the necessary details.	Error saying that all fields should be filled is to be displayed.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]	
12	Login	Login page should be opened. User should be registered	1) Open the register page and register 2) Open the login page. 3) Enter the necessary details but enter a wrong password.	Throw an error saying that the password is incorrect and Authentication should not be done.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]		[green]		[green]	
11	Login	Login page should be opened. User should be registered	1) Open the register page and register 2) Open the login page. 3) Enter the necessary details.	1) If all conditions are satisfied, login should be completed successfully and corresponding dashboard should be opened. 2) If the necessary datatypes are not given or if all the fields arent filled it should display an error.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]	
12	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab	1) Register and login as an executive officer. 2) Dont upload any file and click upload	Throw an error saying that no file is uploaded.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
13	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Shape file)	1) Register and login as an executive officer. 2) Upload some random file which is not in the specified format. (shp,GeoJSON - allowed format) 3) Check the DB (should not contain the file).	Throw an error saying that the file is not in the correct format.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
14	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Data file)	1) Register and login as an executive officer. 2) Upload some random file which is not in the specified format. (csv,excel - allowed format) 3) Check the DB (should not contain the file).	Throw an error saying that the file is not in the correct format.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
15	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Shape file)	1) Register and login as Executive officer. 2) Choose a file in correct format but a used name. 3) Click on the upload file 4) Check the DB. It should not contain the file	Throw an error saying that the file name is repeated.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
16	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Data file)	1) Register and login as Executive officer. 2) Choose a file in correct format but a used name. 3) Click on the upload file button. 4) Check the DB. It should not contain the file	Throw an error saying that the file name is repeated.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
17	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Shape file)	1) Register and login as Executive officer. 2) Choose a file in correct format - unused name. 3) Click on the upload file button. 4) Check the DB. File should be there.	Push the file into the DB.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
18	Upload data (Executive Officer)	Open the dashboard of executive officer and click the Upload data tab (Data file)	1) Register and login as Executive officer. 2) Choose a file in correct format - - unused name. 3) Click on the upload file button. 4) Check the DB. File should be there.	Push the file into the DB.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[green]			
19	Upload data (Manager)	Open the dashboard of the manager	1) Register and login as a manager. Click CFP calculation -> add nodes manually. 2) Dont fill in the fields.	Throw an error saying that fields are left empty.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]			
20	Upload data (Manager)	Open the dashboard of the manager	1) Register and login as a manager and Click CFP calculation -> add nodes manually. 2) Fill invalid source and destination nodes. 3) Check the DB	Throw an error saying that nodes are invalid. - the entered data should not be there in the DB.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]			
21	Upload data (Manager)	Open the dashboard of the manager	1) Register and login as a manager. Click CFP calculation -> add nodes manually. 2) Fill valid source and destination nodes. 3) Choose a path. 4) Check the DB for data.	The data entered should be stored in the DB.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]			
22	Route-wise carbon footprint	Open the dashboard of the manager	1) Register as a manager and login. 2) Click CFP calculation. 3) Give the nodes as inputs. 4) Enter the number of trucks. 5) Get the CFP for that route.	1) Check if necessary details are available. 2) If they are, calculated carbon footprints along all the routes should be printed. 3) Else display an error message.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[green]		[green]		[green]			
23	Preemptive CFP calculation	Open the dashboard of the manager	1) Register as a manager and login. 2) Click CFP calculation. 3) Give the nodes as inputs. 4) Enter the number of trucks. 5) Get the CFP for the routes.	1) Check if necessary details are available. 2) If they are, calculated carbon footprints along all the routes should be printed. 3) Else display an error message.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[green]		[green]		[green]			
24	Shortest path between nodes	Open the dashboard of the manager	1) Register as a manager and login. 2) Click CFP calculation. 3) Give the nodes as inputs. 4) Enter the number of trucks. 5) Enter 'Get paths'	1) Check if necessary details are available. 2) If they are, shortest path should be printed. 3) Else display an error message.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]		[green]			
25	Path with least CFP between nodes	Open the dashboard of the manager	1) Register as a manager and login. 2) Click on the CFP calculation tab. 3) Give the nodes as inputs. 4) Enter the number of trucks. 5) Enter 'Get paths'	1) Check if necessary details are available. 2) If they are, path with least CFP should be printed. 3) Else display an error message.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.	[green]		[green]			
26	Company's carbon footprint	Open the dashboard of the manager	1) Register as a manager and login. 2) Click on the "Log"	The history should be displayed along with the total CFP.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Error handling of this feature left to the last sprint.	[red]	Error handling of this feature left to the last sprint.		
27	Select nodes from map	Open the dashboard of the manager	1) Register as a manager and login. 2) Click on the CFP calculation tab. 3) Click on "Add nodes on map". 4) Choose the nodes on the map. 5) Check the DB.	Clear button should clear the choice. Submit button after choosing the nodes should push the nodes into DB.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[red]	Feature not implemented yet.	[green]		[green]		[green]		[green]			

#	Feature	Precondition	Steps	Expected Result											
28	Identifying hotspots with high carbon emmission (Parameter-wise)	Open the dashboard of the executive officer and click on visualise data tab	1) Register as a EO and login. 2) Click on "Visualise".	1) According to the parameter chosen, display the hotspots according to the carbon-footprint calculated in those areas.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.	Error handling of this feature left to the last sprint.
29	Identifying hotspots with high carbon emission	Open the dashboard for executive officer and click on Visualise data tab	1) Register as a EO and login. 2) Click on "Visualise" and select "Year" from dropdown	Display CF hotspots for different years chosen from dropdown		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.	Error handling of this feature left to the last sprint.
30	Identifying hotspots with high carbon emission	Open the dashboard for executive officer and click on Visualise data tab	1) Register as a EO and login. 2) Click on "Visualise" and choose "Vehicle" from dropdown	Display CF hotspots for different types of vehicles chosen from dropdown		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.	Error handling of this feature left to the last sprint.
31	Identifying hotspots with high carbon emission	Open the dashboard for executive officer and click on Visualise data tab	1) Register as a EO and login. 2) Click on "Visualise" and choose Radius size from slider	Display heatmap spots with the Radius value selected		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.	Error handling of this feature left to the last sprint.
32	Identifying hotspots with high carbon emission	Open the dashboard for executive officer and click on Visualise data tab	1) Register as a EO and login. 2) Click on "Visualise" and choose Blur size from slider	Display heatmap spots with the Blur value selected		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.	Error handling of this feature left to the last sprint.
33	Logout	Login	1)Login. 2)Click on Logout. 3)Check local storage.	1) User should be logged out. 2) Token should not be there in the local storage.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.		Feature not implemented yet.				