MNSTDEV QUADTHINK – FULLY DRESSED USE CASE DIAGRAM (CitiSense)
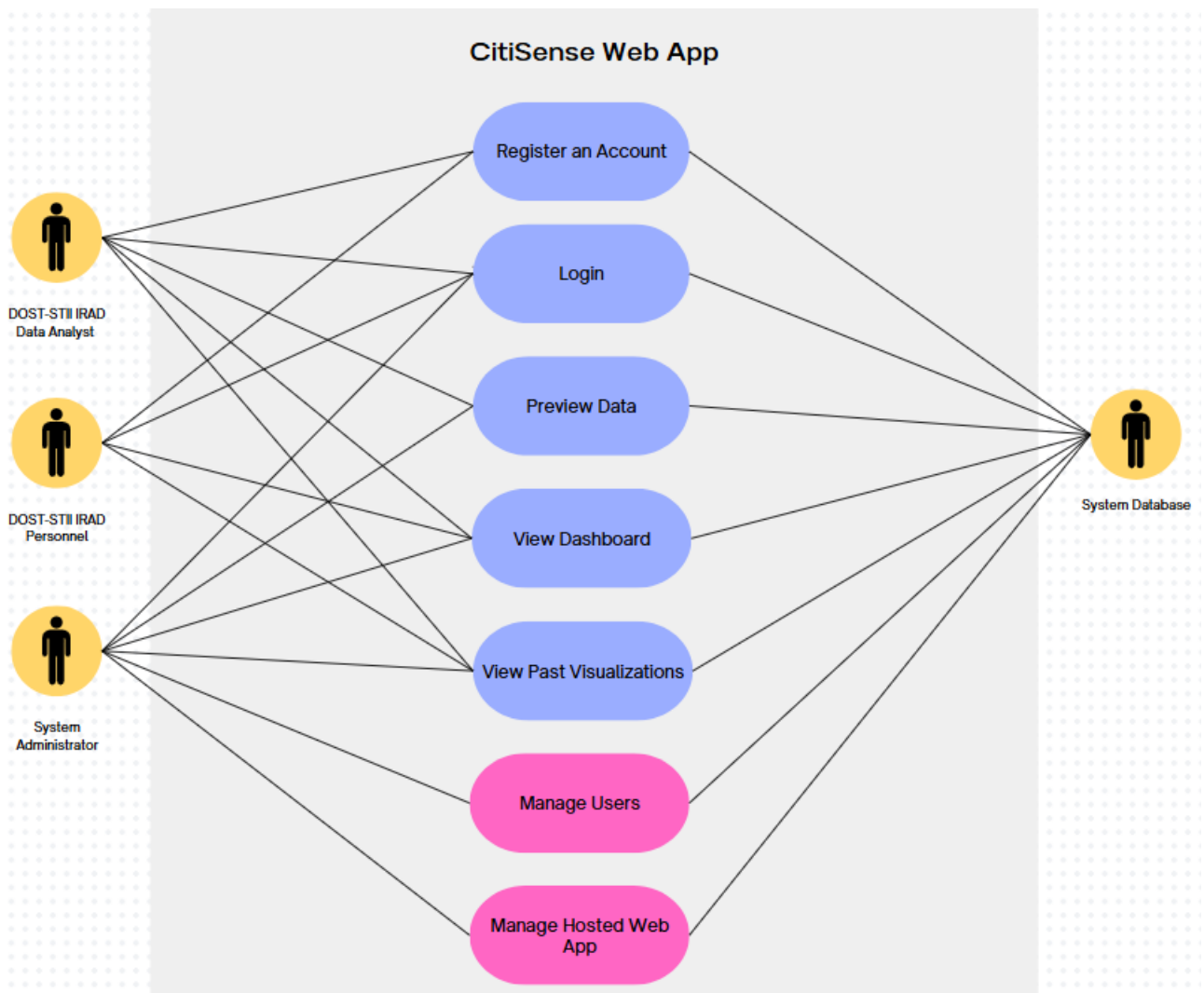
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Use Case Diagram: Link to UCD

Product Requirements

ID	Requirement
PR-01	DOST-STII IRAD Personnel and DOST-STII Data Analyst should register to access the web app
PR-02	All users should have the ability to login to the web app
PR-03	Only Data Analyst and System Administrator roles should be able to preview their own data before analysis
PR-04	All users should be able to see the results displayed in the dashboard after the analysis
PR-05	All users should be able to see past analysis and visualizations
PR-06	System Administrators should be able to manage the hosted web app
PR-07	System Administrators should be able to assign or update user roles and permissions in the CitiSense web application.

Use Case Name: Register

Use case ID:	UC-01
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	DOST-STII IRAD Personnel and DOST-STII Data Analyst should register to access the web app
Requirement Traceability:	PR-01
Priority	High
Preconditions:	- Users must open the CitiSense web app
Postconditions:	- User must input valid credentials in registration - User information is verified in the system - Users should be able to login successfully
Actors:	DOST-STII IRAD Personnel, DOST-STII IRAD Data Analyst, System Database
Extends:	
Flow of Actions:	**Basic Flow** - Open the CitiSense web app - Click "Register" button - Register account using valid credentials (Email, Username, and Password) - Click "Submit" - User must be redirected to the Home Page of the app - User will receive notifications of the registration being successful

Use Case Name: Login

Use case ID:	UC-02
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	All users should have the ability to login to the web app
Requirement Traceability:	PR-02
Priority	High
Preconditions:	- Users must be registered
Postconditions:	- User information is verified in the system - Users should be able to login successfully
Actors:	DOST-STII IRAD personnel, DOST-STII Data Analyst, System Administrators, System Database
Extends:	
Flow of Actions:	**Basic Flow** - Open the CitiSense web app - Click "Login" button - Input proper username and password - Click "Login" - User will be redirected to the Home Page of the app **Alternative Flow** Unregistered user - Click Login to the web app - User inputs valid credentials - The user is prompted with the message "User is not registered" - The user stays in the Login page

Use Case Name: Preview data

Use case ID:	UC-03
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	Only Data Analyst and System Administrator roles should be able to preview their own data before analysis
Requirement Traceability:	PR-03
Priority:	High

Preconditions:	- Users must be registered - Users must be logged in - User must either have data analyst role or system administrator role - System is online
Postconditions:	- Users can now be able to preview the data that will be made into a visualization chart.
Actors:	DOST-STII Data Analyst, System Administrators, System Database
Extends:	
Flow of Actions:	Basic Flow - Open CitiSense web app - Log in to the CitiSense web application - Click on "Data Preview" button - Preview all or choose from what service/s are to be reflected - Users will see the raw feedback data from the chosen service

Use Case Name: View dashboard

Use case ID:	UC-04
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	All users should be able to see the results displayed in the dashboard after the analysis
Requirement Traceability:	PR-04
Priority	High
Preconditions:	- Users must be registered and signed in. - System is online
Postconditions:	- Users can now see in real-time the trends and patterns of the feedback they got from event attendees.
Actors:	DOST-STII IRAD Personnel, DOST-STII IRAD Data Analyst System Administrators, System Database
Extends:	
Flow of Actions:	Basic Flow - Open CitiSense web app - Log in to CitiSense web application - Navigate to Dashboard - The CitiSense web app will show the visualization of sentiment analysis results from the feedback data of the

	chosen service/s.
	- Users will see the result of the analysis as it also updates at real-time pace

Use Case Name: View past visualization

Use case ID:	UC-05
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	All users should be able to see past analysis and visualizations
Requirement Traceability:	PR-05
Priority	High
Preconditions:	- Users must be registered and signed in. - System is online
Postconditions:	- Users should now be able to see past analysis and visualizations
Actors:	DOST-STII IRAD Personnel, DOST-STII IRAD Data Analyst, System Administrators, System Database
Extends:	
Flow of Actions:	Basic Flow - Navigate to the CitiSense web app using the browser - Log in to CitiSense web application - Click the "Archive" button in the sidebar. - Browse the list of archived dashboard visuals. - Users will click on the visual they wish to view. - Users can then download the selected visual to their computer.

Use Case Name: Manage Hosted Web App

Use case ID:	UC-06
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	System Administrators should be able to manage their hosted website
Requirement Traceability:	PR-06

Priority	High
Preconditions:	- Administrators must be logged in - Admin panel is accessible
Postconditions:	- User permissions are updated and saved in the system
Actors:	System Administrators, System Database
Extends:	
Flow of Actions:	Basic Flow - System Admin opens the CitiSense administrator panel. - System Administrator logs into admin panel with valid credentials - System verifies the credentials, if access granted, will be directed to admin panel - The system loads the configuration panel for the CitiSense. - The administrator can now perform the following: upload, update, and modify the CitiSense web application. - The system validates and applies changes - The administrator receives confirmation that changes have been applied successfully - The administrator verifies the changes are live as they should be reflected within the CitiSense wep application.

Use Case Name: Manage users

Use case ID:	UC-07
Author:	Lorenzo Bernal, Gab Cabangcala, Luis Lazaro, Mark Marabi
Purpose:	System Administrators should be able to assign or update user roles and permissions in the CitiSense web application.
Requirement Traceability:	PR-07
Priority	High
Preconditions:	- Administrators must be logged in. - Admin panel is accessible
Postconditions:	- User permissions are updated and saved in the system
Actors:	System Administrators, System Database
Extends:	

Flow of Actions:	Basic Flow
	- System Administrator opens the CitiSense administrator panel.
	- System Administrator logs into the admin dashboard with valid credentials.
	- System verifies the credentials, if access granted, will be directed to admin panel
	- The administrator navigates to the User Management section
	- The system displays a list of registered users
	- The administrator selects a user from the list
	- The system displays the selected user's current access roles and permissions
	- The administrator updates the user's roles (e.g., changes from "Data Analyst" to "Admin")
	- The administrator saves the changes
	- The system validates the changes and updates the database
	- The system will confirm the successful update

Test Case Table

TC ID	UC ID	Test Case Name	Test Case Description
TC-01	UC-01	Verify user registration	Users should be able to register to the CitiSense web application.
TC-02	UC-02	Verify user login	Users should have the ability to login to the CitiSense web app
TC-03	UC-03	Verify that users can be able to preview their own data for analysis	Only Data analysts and System Administrators should be able to preview the data from the database the system will generate visualizations for.
TC-04	UC-04	Verify that users can see the results being displayed in the dashboard after the analysis	All users should be able to see the results displayed in the dashboard after the analysis
TC-05	UC-05	Verify that users should be able to see past visualization and export them as an image.	All users should be able to see past visualizations and export them as an image to their computer.
TC-06	UC-06	Verify that only system administrators can be able to manage the hosted web app	Only System administrators should be able to manage their hosted web app
TC-07	UC-07	Verify that only system administrators can assign or update user roles and permission in the web system	Only System administrators should be able to assign or update user roles and permissions in the web system

RTM (Requirements Traceability Matrix)

Product Requirement No.	Use Case ID	Test Case ID
PR-01	UC-01	TC-01
PR-02	UC-02	TC-02
PR-03	UC-03	TC-03
PR-04	UC-04	TC-04
PR-05	UC-05	TC-05
PR-06	UC-06	TC-06
PR-07	UC-07	TC-07