System Validation Plan: CSC 440 – Cincy Crime Stoppers

System (App) Name :	Cincy Crime Stoppers
Server Name :	AWS
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Test Steps - UC1: Register user

	Test Steps	Expected Results	Results / Comments
1	A user enters a unique username		
2	The user enters a password that meets criteria for being secure		
3	The user re-enters the same password to check for typos		
4	The user must enter a valid email address to have the ability to reset their password		
5	The user will specify whether they are a resident or non-resident of Cincinnati		
6	The system creates the user and displays confirmation to the user.	System successfully creates user profile.	

Test Steps – UC2: Authenticate user

	Test Steps	Expected Results	Results / Comments
1	A user enters their username		
2	A user enters their password		
3	The form is submitted for validation	System logs user into the website	
4	If the user logged in using a temporary password, they must set a new password (Use case "Login after reseting password")		

Test Steps – UC3: Change user password

	Test Steps	Expected Results	Results / Comments
1	The user enters in their current password		
2	The user enters a new password that meets criteria for being secure		
3	The user re-enters the same password to check for typos		
4	The password is saved as the user's new password	System successfully changes users password	

Test Steps – UC4: Reset user password

	Test Steps	Expected Results	Results / Comments
1	A user enters the email address they specified when creating their account		
2	A temporary password is randomly generated by the System		
3	The temporary password is set as the user's new password		
4	The user's account is set to require password change on next login		
5	The temporary password is emailed to the user	Email is sent to user with new temporary password	

Test Steps – UC5: Logout

	Test Steps	Expected Results	Results / Comments
1	The user clicks on the logout button		
2	The user is logged out of the site	User is logged out of the website.	

Test Steps – UC6: Login after resetting password

	Test Steps	Expected Results	Results / Comments
1	The user enters a new password that meets criteria for being secure		
2	The user re-enters the same password to check for typos	The password is saved as the user's new password	

Test Steps – UC7: Change user privelges

	Test Steps	Expected Results	Results / Comments
1	The Administrator selects a registered user to change permissions of		
2	The user selects Authenticated User, Anonymous User, or Administrator	The changes are committed to the system	

Test Steps – UC8: View Crime Data overview

	Test Steps	Expected Results	Results / Comments
1	A pie chart of the crime incidents is displayed to the user		
2	Crime records are shown within the pie chart	A table of overall statistics is displayed, listing the top incidents in Cincinnati	

Test Steps – UC10: View crime data by incident type

	Test Steps	Expected Results	Results / Comments
1	An incident type is selected by the user	A list is shown on the screen with an overlay detailing the locations and frequencies of the selected incident type	

Test Steps – UC11: Import new crime data

	Test Steps	Expected Results	Results / Comments
1	The user will upload a valid CSV file containing crime data	System displays confirmation of data being imported succesfully	

Test Steps – UC12: Submit incident severity rating

	Test Steps	Expected Results	Results / Comments
1	An incident is selected from a list of available incident descriptions		
2	The current severity rating is displayed		
3	A new severity rating is selected	System saves new rating for the incident	

Test Steps – UC13: Edit incident description

	Test Steps	Expected Results	Results / Comments
1	A user selects the incident type to rename		
2	The original name is displayed	Name is read only	
3	The user can enter a new name	The incident name is changed for all records matching incident ID	

Test Steps – UC15: Search based on time period

	Test Steps	Expected Results	Results / Comments
1	The user chooses a time period	A chart displays the types of crimes and frequency over the specified time period	

Test Steps – UC16: Save Search

	Test Steps	Expected Results	Results / Comments
1	The user performs a search		
2	On results page, user clicks "Save Search"	A dialog displays alerting the user the search has been saved.	