

USE CASES

Use Case 1: Register for an account in fears away app

Description: User registers for an account in fears away App

Actor: User

Precondition: When a user wants to join the app he needs to register.

Steps:

Actor action: User requests for registration.

System Response: If user's information is correct then user is registered and use case ends.

Post Condition: User successfully registered

Alternate Path: The user request is not correct, and system throws an error

Error: User information is incorrect

Use Case 2: Police authorities sends details to fears away.

Description: After an incidence is reported through 911 executives sends details to fears away.

Actor: Police department

Precondition: Department must have a unique Twitter handle to tweet details.

Steps:

Actor action: Police department tweets about the incidence.

System Response: Report is sent to fears away.

Post Condition: Crime details are added to the tweet table.

Use Case 3: Employee sends alerts.

Description: Based on the information received fears away employee sends alerts to nearby users about a reported crime.

Actor: Employee

Precondition: fears away must have a unique Twitter handle to tweet

Steps:

Actor action: Employee tweets about a crime incidence along with location and time details.

System Response: Alert is sent to nearby users about reported crime.

Post Condition: An alert is added to the tweet table with location and time details.

Alternate Path: Alert is not accurate.

Error: Information not accurate.

Use Case 4: User views alerts.

Description: User views the alert about nearby reported crime.

Actor: User

Precondition: User must have a unique Twitter account to see details

Steps:

Actor action: User views alerts.

System Response: Reported details, location and time of incidence would be displayed to user.

Post Condition: System displays incident details.

Use Case 5: User tracks incidence.

Description: User views the updated news posted by fears away employee about the nearby incidence reported.

Actor: User

Precondition: User must have a unique Twitter account to see updated news

Steps:

Actor action: User views updates about the crime incidence.

System Response: All the recent news about the incidence would be displayed to user.

Post Condition: System displays updated news.

Use Case 6: User adds details to the reported incidence.

Description: User adds any additional information it has about the reported crime.

Actor: User

Precondition: User must have a unique Twitter account to add details

Steps:

Actor action: User add details about the crime incidence.

System Response: Additional details are added to the table.

Post Condition: System displays updated news.

Use Case 7: User views the incidence reported on a particular location.

Description: User views the incidences happened in a particular location.

Actor: User

Precondition:

Steps:

Actor action: User views the incidents for a specified location.

System Response: Incidents for a specified location are displayed.

Post Condition: System displays all the incidents reported for user searched location.

Use Case 8: User views the incidence reported on a particular date.

Description: User views all the incidents registered on a particular date.

Actor: User

Precondition:

Steps:

Actor action: User views the incidents for a specified date.

System Response: Incidents for a specified date are displayed.

Post Condition: System displays all the incidents reported for user searched date.

Use Case 9: User views the top 5 locations based on the crime statistics.

Description: User views the top 5 locations where maximum crimes happened in 2022.

Actor: User

Precondition:

Steps:

Actor action: User views the top 5 locations in 2022.

System Response: All the incidents for 2022 are displayed.

Post Condition: System displays all the crimes reported for user searched year.

Use Case 10: User views other registered users away users at a particular location.

Description: User views other registered users belonging to a particular location.

Actor: User

Precondition:

Steps:

Actor action: User all the registered users based on a particular location.

System Response: All the registered users from that location are displayed.

Post Condition: System displays all the registered users based on the location searched by the user.