



BOLO
Flier Creator

Final Presentation Fall 2016



BOLO
Flier Creator

BOLO Flier Creator Version 6

TEAM MEMBERS: BRIAN ZAMORA, DOMINICK MARTELLY

PROJECT OWNERS: JASON COHEN, FRANK JAGGER

INSTRUCTOR: MASOUD SADJADI

Project Definition


BOLO Alert: ARSON Inbox x

noreply@boloflyer.com via sendgrid.net
to egonz077

Images are not displayed. [Display images below](#) - Always display images from noreply@boloflyer.com

A new [ARSON BOLO](#) has been posted. [Login](#) to view other BOLOs.

Click [here](#) to unsubscribe from Pinecrest notifications.




Home Create Archive Agency Directory Search Admin Jmed116

Active BOLOs

Filter By
 Select Agencies Submit

All Bolos


NEW



Updated: 07-22-16 20:25:01
Created On: 07-22-16 20:25:01
Posted By: Pinecrest

Edit Details Archive


NEW



Updated: 07-22-16 18:42:44
Created On: 07-22-16 18:42:44
Posted By: Pinecrest

Edit Details Archive

CANCELED




WANTED

Updated: 07-22-16 04:50:17
Created On: 07-21-16 16:23:57
Posted By: Pinecrest

Edit Details Archive

LOCATED



THEFT - BOAT

Updated: 07-22-16 04:50:37
Created On: 07-21-16 16:29:49
Posted By: Pinecrest

Edit Details Archive


Home Create Archive Agency Directory Search Jmed116

BOLO Details


[Go Back](#) [Generate PDF](#) [View Record](#)

POLICE **UNCLASSIFIED// FOR OFFICIAL USE ONLY// LAW ENFORCEMENT SENSITIVE**

Pinecrest Police Department
12645 Pinecrest Parkway
Pinecrest, FL 33156
305.234.2100



Updated **Bolo ID :** cfda2c70835f4286bd817598e5aca68f



User Details

Dashboard
Agency Management
Data Analysis
Data Subscribers
System Setting
User Management

admin

Name	John Burke
Email	fishhawksparty@gmail.com
Badge Number	awrg
Section / Unit	aer
Rank / Title	aeg
Role	ADMINISTRATOR
Agency	Pinecrest

[Edit Account Details](#) [Reset Password](#) [Delete User](#)

Project Definition

Home Create Archive Agency Directory Search Admin

Create a BOLO

Date Reported
DD/MM/YYYY

Time Reported
HH:MM

Category
Select a Category

Featured Image
no file selected
Choose File

Image Upload
no file selected
Choose File

Image Upload
no file selected
Choose File

Video Link

Additional Info

Summary

SUBMIT


PREVIEW

Home Create Archive Agency Directory Search Admin


brian

Active BOLOs


Filter BOLOs By: All Bolos




Murder
Last Updated: 11/26/2016, 4:14:16 PM
Reported On: Tue Jan 12 2016 12:22:00 GMT-0500 (EST)
Posted By: Corporal Zamora



Testing
Last Updated: 10/17/2016, 3:00:25 PM
Reported On:
Posted By: Corporal Zamora




Testing
Last Updated: 10/14/2016, 9:41:52 AM
Reported On:
Posted By: Corporal Zamora





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FIU Police Department
11200 SW 8TH ST
Miami, FL 33199
3053053055



Murder -- ACTIVE







Bolo ID: 5839fb283263d39e03ccffe2

Name: Unknown Subject

City: Miami

State: FL

Created: Sat Nov 26 2016 16:14:16 GMT-0500 (EST)

Additional:
Subject has not been identified.

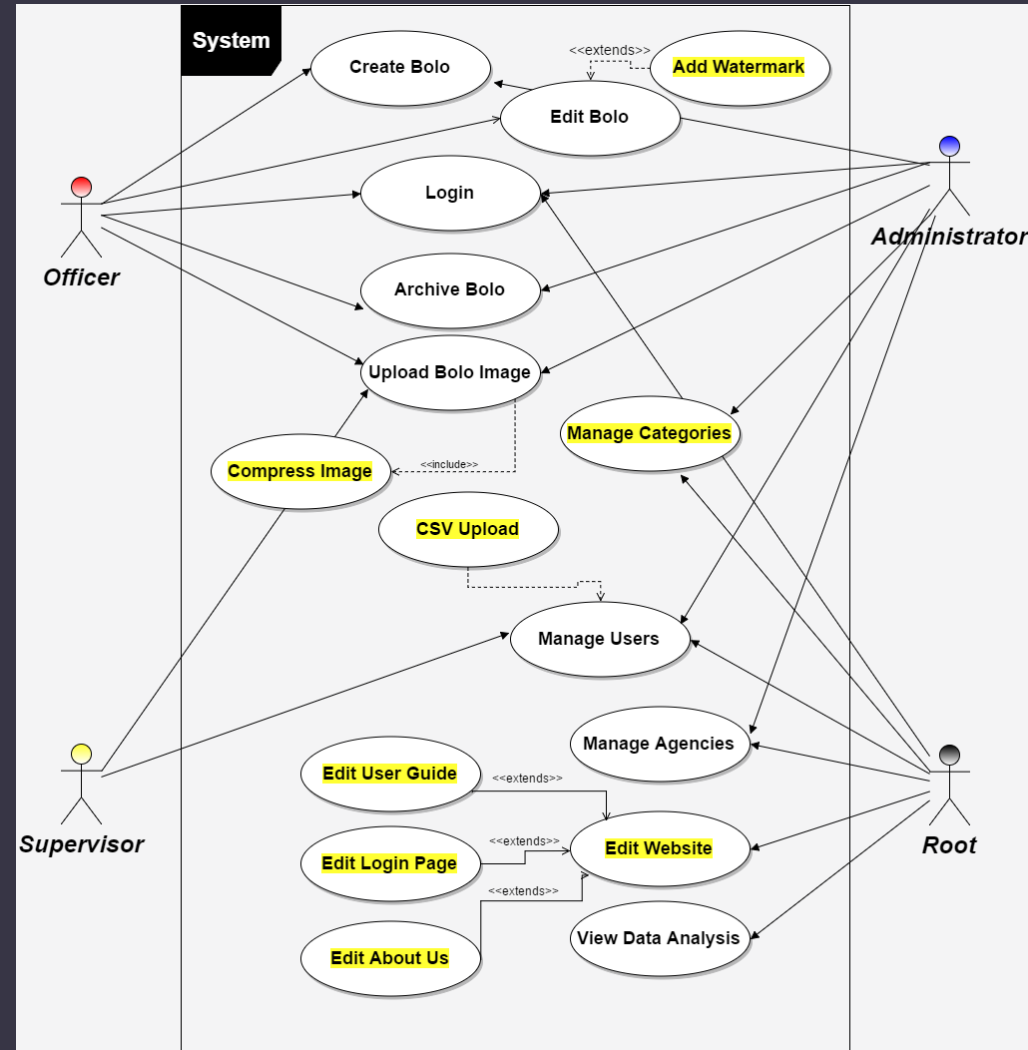
Summary:
This person is suspicious. Please notify your local police department if they are seen.

This BOLO was created by: Cyber Corporal Brian Zamora
Please contact the agency should clarification be required.

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Requirements: Use Cases



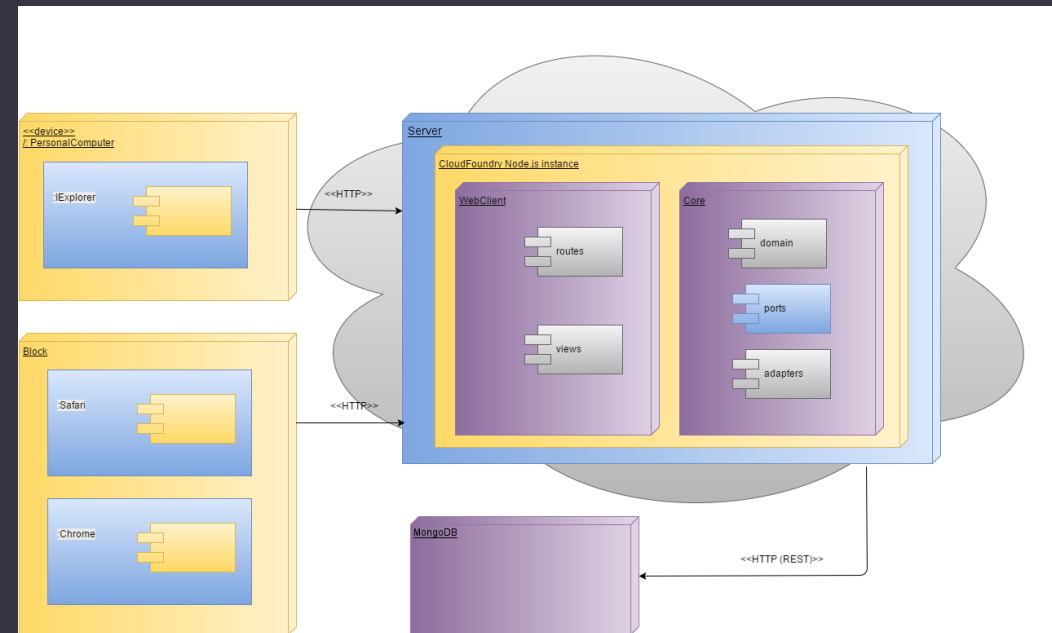
System Design: Architecture

BOLO 6.0 uses a Hexagonal architecture.

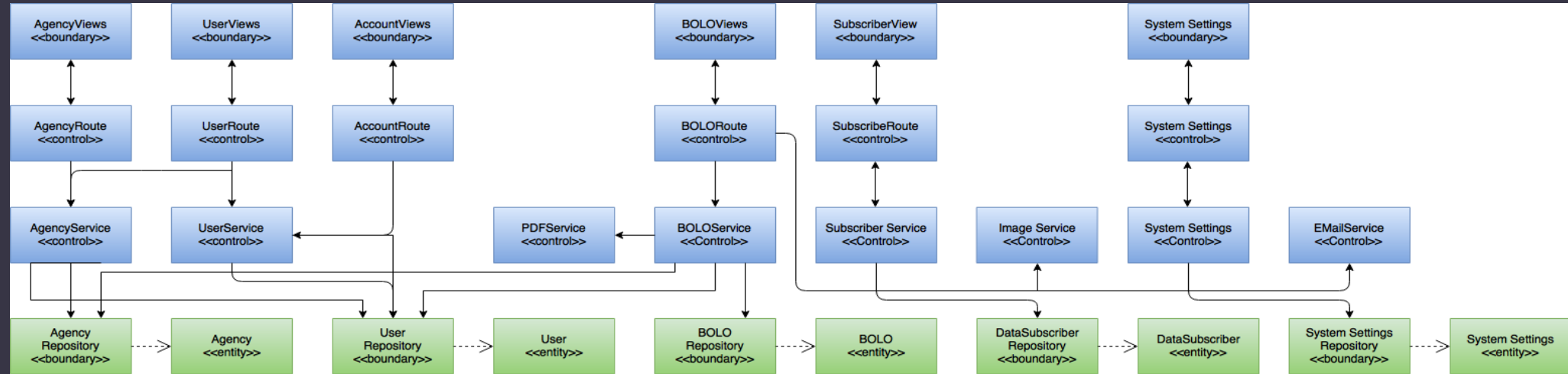
All features within the application are determined through routes which transfer the requests a service, which send the correct call to a repository, which is the entity allowed to read and write from the MongoDB database. The MongoDB was added in this version.

Hardware for server

- Windows/Apple Computer
- Min of 8Gb of RAM
- At least 30 GB of disk space
- At least 2.0 GHZ processor



Minimal Class Diagram



Patterns Used

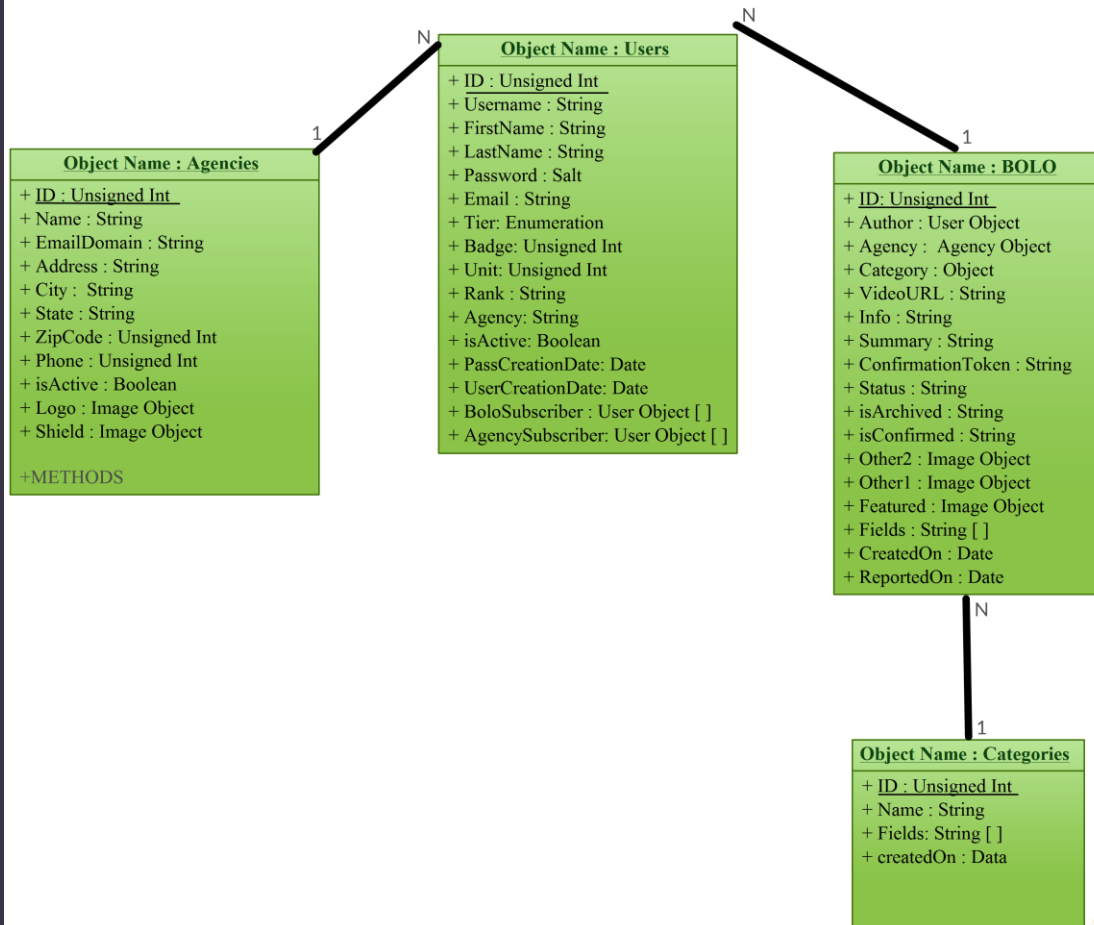
- Observer: This is essential to maintain an organized execution of asynchronous calls in order to prevent the system from malfunctioning.
- Singleton: Only one instance of the server will be allowed to run at a time
- Repository: This abstraction is used to mediate between the domain and the persistent data storage so that if the database service was to be changed, it can be done without altering the entire code.

User Stories

- #1188 – Convert Database to MongoDB
- #1194 – BOLO Category Creation
- #1179 – View All Pictures On Bolo Details Page
- #1196 – BOLO Template Rendering
- #1180 – Set Password
- #1187 – Generate watermark on BOLOs
- #1195 – Adjust CSV Uploading
- #1199 – Adjust PDF Rendering for MongoDB

#1188 – Convert Database to MongoDB

BOLO6 -- MongoDB ER Diagram
Version 2



Due to security policies being followed by the product owner, the BOLO web application had to be transitioned from Cloudant,(an **IBM proprietary** NoSQL persistence,platform), to MongoDB an open source NoSQL persistence platform.

This allowed for all of the data to be stored in the product owner's own servers.



#1194 – BOLO Category Creation

Home Create Archive Agency Directory Search Admin brian ▾

New Category Creation

[Dashboard](#)

[Agency Management](#)

[User Management](#)

[Bolo Category Management](#)

[Data Analysis](#)

[Edit Login Page](#)

[Edit User Guide Page](#)

[Edit About Us Page](#)

Enter A Name For The New BOLO Category

Robbery Suspect

Enter Fields

Name



Last Known Location



Phone Number



Submit

Preview BOLO Template

The added functionality, allows a root or administrator of the BOLO system to be able to create their own BOLO Category that other users can use.

In previous versions, the user was limited to only being able to create a General Bolo, an Auto Theft Bolo, and a Boat Theft Bolo.

#1179 – View All Pictures On Bolo Details Page

BOLO Details

[Go Back](#)[Generate PDF](#)

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FIU Police Department

11200 SW 8TH ST

Miami, FL.

3053053055



Murder -- ACTIVE



BOLO ID: 5839fb283263d39e03ccf6e2

This added functionality, allows a user to view all pictures that a Bolo flier has.

In previous versions, the user was only able to see the featured image even if more pictures were also uploaded.

#1196 – BOLO Template Rendering

Create a BOLO

Date Reported	Time Reported	
<input type="text" value="DD/MM/YYYY"/>	<input type="text" value="HH:MM"/>	
Category		
<input type="text" value="Murder"/>		
Name		
<input type="text"/>		
City		
<input type="text"/>		
State		
<input type="text"/>		
Featured Image	Image Upload	Image Upload
<input type="button" value="Choose File"/> no file selected	<input type="button" value="Choose File"/> no file selected	<input type="button" value="Choose File"/> no file selected
Video Link		
<input type="text"/>		
Additional Info		

This added functionality, allows a user to render the fields of any category from a single page. This allows to create any type of Bolo from one page.

In previous versions, the user had three separate forms they had to use depending on which type of Bolo they wanted to create

#1180 – Set Password

Home Create Archive Agency Directory Search Admin

Logout

User Password Reset Page

Password Reset

The new password must contain (uppercase and lowercase letters, numbers and special characters) and no more than 2 equal characters in a row. Valid special characters: ! ~ < > , ; : _ = ? * + # . " & % () | [] - \$ ^ @ /

Password

Repeat Password

Submit

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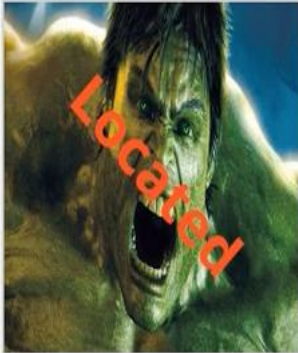
This added functionality assigns every new user a temporary password token which they use to login to the system. They are then prompted to change that password upon initial login.

In previous versions, the administrator or root user that was registering the user needed to assign the user a password. The user was never prompted to change that password.

#1187 – Generate watermark on BOLOs

localhost:3000/bolo Monday Biweekly M BOLO Ver 6.0 - G Team Weekly Sched Team Time Card - C BOLO Sprint Plann

localhost:3000/bolo


NEW	NEW	IN CUSTODY	LOCATED
			
THEFT - AUTO	THEFT - BOAT	SITUATIONAL AWARENE	WANTED
Updated: 09-06-16 11:11:22	Updated: 09-06-16 11:10:24	Updated: 09-06-16 10:35:06	Updated: 09-06-16 10:34:34
Created On: 09-06-16 11:11:22	Created On: 09-06-16 11:10:24	Created On: 09-05-16 20:26:34	Created On: 09-05-16 15:07:07
Posted By: Pinecrest	Posted By: Pinecrest	Posted By: Pinecrest	Posted By: Pinecrest
Edit Details Archive	Edit Details Archive	Edit Details Archive	Edit Details Archive


Go Back Generate PDF Subscribe To BOLO


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FIU
Computing & Information Science

FIU Police Department
11200 SW 8TH ST
Miami, FL
3053053055









BOLO ID: 50...3d39e03c6f6e2

Name: Unknown Subject

City: Miami

State: FL

#1199 – Adjust PDF Rendering for MongoDB



Murder -- ACTIVE



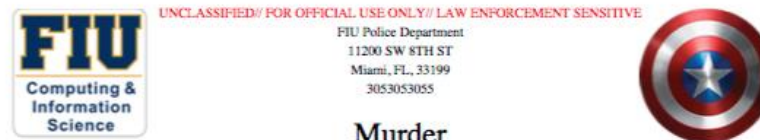
Bolo ID: 5839fb283263d39e03ccf6e2
Name: Unknown Subject
City: Miami
State: FL

Created: Sat Nov 26 2016 16:14:16 GMT-0500 (EST)

Additional:
Subject has not been identified.

Summary:
This person is suspicious. Please notify your local police department if they are seen.

This BOLO was created by: Cyber Corporal Brian Zamora
Please contact the agency should clarification be required.



Murder



Bolo ID: 5839fb283263d39e03ccf6e2
Name: Unknown Subject
City: Miami
State: FL

Created: Sat Nov 26 2016 16:14:16 GMT-0500 (EST)

Additional:
Subject has not been identified.

Summary:
This person is suspicious. Please notify your local police department if they are seen.

This BOLO was created by: Cyber Corporal Brian Zamora
Please contact the agency should clarification be required.

This added functionality allows the PDF to be rendered more cleanly, with text being more centered and readable. Also more than one image can be rendered in the PDF. The watermark is also rendered when applicable.

#1195 – Adjust CSV Uploading

Multiple User Creation Form

[Dashboard](#)[Agency Management](#)[User Management](#)[Bolo Category Management](#)[Data Analysis](#)[Edit Login Page](#)[Edit User Guide Page](#)[Edit About Us Page](#)[Return To The Previous Page](#)

Multiple User Upload Form

Below you can download a sample CSV, or if you feel you have a correctly formatted CSV you can upload it now.

Sample CSV Format

[Download Sample CSV](#)

Upload CSV

no file selected

[Upload CSV](#)

This added functionality allows a root or administrative user to upload a csv of users so that they can register more than one user at time

Sample Test Cases

ID	BOLO_CreateUser_1
Purpose	Sunny-day test to create a new officer user
Precondition	A user is signed in as an administrator The node app is running The node app is connected to database The user does not exist on the database Agency Pinecrest exists on the server
Input	Username: abc123 First Name: bob Last Name: Test Agency: Pinecrest Email: abc123(@pine.gov) Role: Officer Badge No.: 1234 Section / Unit: 1234 Rank / Title: Test
Expected Output	"User abc123 has been registered!"

ID	BOLO_DeleteUser_2
Purpose	Rainy-day test to check if an existing officer on the database fails to be removed after password is entered incorrectly
Precondition	The user is signed in as a root user The node app is running The node app is connected to database The user 'deleteMe' exists on the database
Input	Select 'Delete User' on 'deleteMe' user details page Enter incorrect user password
Expected Output	"Password was incorrect. Please try again"

ID	BOLO_CreateCategory_1
Purpose	Rainy-day test to check if the system will not save a new category with the same name
Precondition	The user is signed in as a root user The node app is running The node app is connected to database The category Car already exists on the database
Input	Enter A Name For The New BOLO Category: Car Enter Fields {abc, qwe, asd, zxc, xyz}
Expected Output	"Category Car already exists on the database"

Summary

The project was done using agile development where project members had sprint meeting five days of the week. A meeting with the product owner occurs every Friday and sprints last bi-weekly.

Contact Information

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