Senior Project Spring 2017
BOLO Flier Creator – Version 7.0

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Problem

Misconducts, thefts and crimes are targets of police officers of Pinecrest Police Department 24 hours a day 7 days a week. The faster and more secure the information is distributed through all officers, the most efficiently they can work and our community will be safer. Be On the Look Out (BOLO) is a solution to this problem, allowing officers to obtain all the required information in a world where the technology and the community services must be done together.

BOLO Search Results

Last Updated: 2/4/2017, 10:39:11 AM
Reported On: Sat Mar 19 2016 12:45:00 GMT-0400 (Eastern Daylight Time)
Posted By:
Details | Restore | Delete

Last Updated: 2/5/2017, 9:43:31 PM
Reported On: Thu Dec 03 2015 12:30:00 GMT-0500 (Eastern Standard Time)
Posted By:
Edit | Details | Archive

Last Updated: 3/7/2017, 2:41:32 PM
Reported On: Sat Feb 15 2014 12:00:00 GMT-0500 (Eastern Standard Time)
Posted By:
Edit | Details | Archive

Solution

The solution is to provide students and faculty a way to develop BOLO system and improve it as much as the needs of Pinencrest Police Department are required.

Archived BOLOs
Filter BOLOs By: My Agency

Auto Theft
Last Updated: 2/4/2017, 10:39:11 AM
Reported On: Sat Mar 19 2016 12:45:00 GMT-0400 (Eastern Daylight Time)
Posted By: 9 siu
View

Auto Theft
Last Updated: 2/4/2017, 10:40:47 AM
Reported On: Wed Nov 02 2016 03:35:00 GMT-0400 (Eastern Daylight Time)
Posted By: 9 siu
View

Current System

BOLO System is hosted on a Linux or Windows server running
- Node.js 6.10 for the Backend
- Express
- Pug for Frontend
- MongoDB that is a noSQL database that can be hosted in a private server

Edit Login

Dashboard
Agency Management
User Management
Bolo Category Management
Data Analysis
Edit Login Page
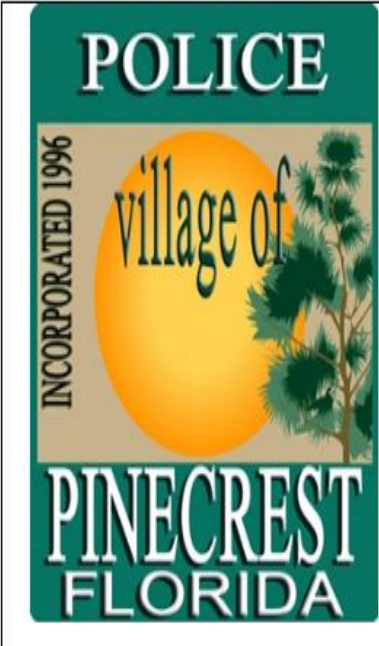Edit User Guide Page
Edit About Us Page

Image: Choose File logo.jpg
Title: Be On the Look Out
Subtitle: Pinecrest Police Department

Preview
POLICE village of PINECREST FLORIDA INCORPORATED 1996
Be On the Look Out
Pinecrest Police Department
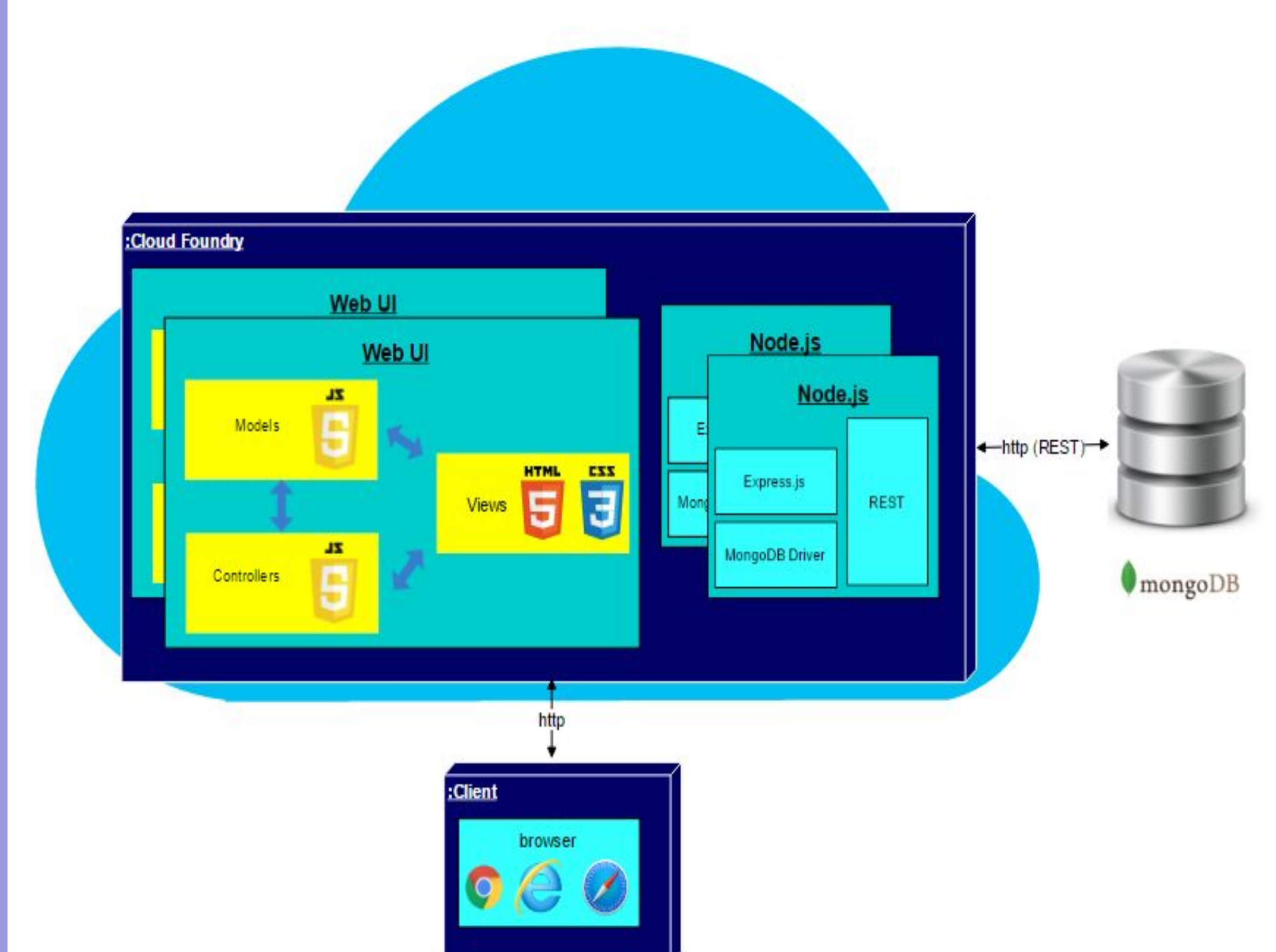
Requirements

Requirements on the web application includes the following:
- Login with a user account
- Create, search, and View BOLOs
- Filter active and archived BOLOs
- Upload Photos for BOLOs and Agencies
- Ability To create different categories for different bolos
- Add internal option to create BOLO form
- Can Activate / Deactivate Users and Agencies
- Have a permanent Root user that has full control
- Edit webpages, such as "About Us", "User Guide" and "Edit Login Page"

System Design

The system is designed using the Model-View-Controller and 3-tier architecture.

Implementation

- BOLO-7.0 the update to the previous version (BOLO-6.0) and can run in Windows or Linux platform
- BOLO-7.0 is managed by the root user to add several user interfaces for administrators, supervisors and officers.
- The database used in BOLO-7.0 is MongoDB, which is an open source and fulfils the secure storage requirement.
- The client side requirements are implemented by Javascript, CSVtoJSON and Pug, while the server side requirements are fulfilled by Node.js and Express.
- Sengrind handles in a safely way any email for BOLO confirmation or creation

Verification
Unit Test

ID: BOLO_EditLogin_4
Purpose: Edit Logo or Title or Subtitle of LogIn Page
Preconditions:
The user should has root access
The root should be Logged In
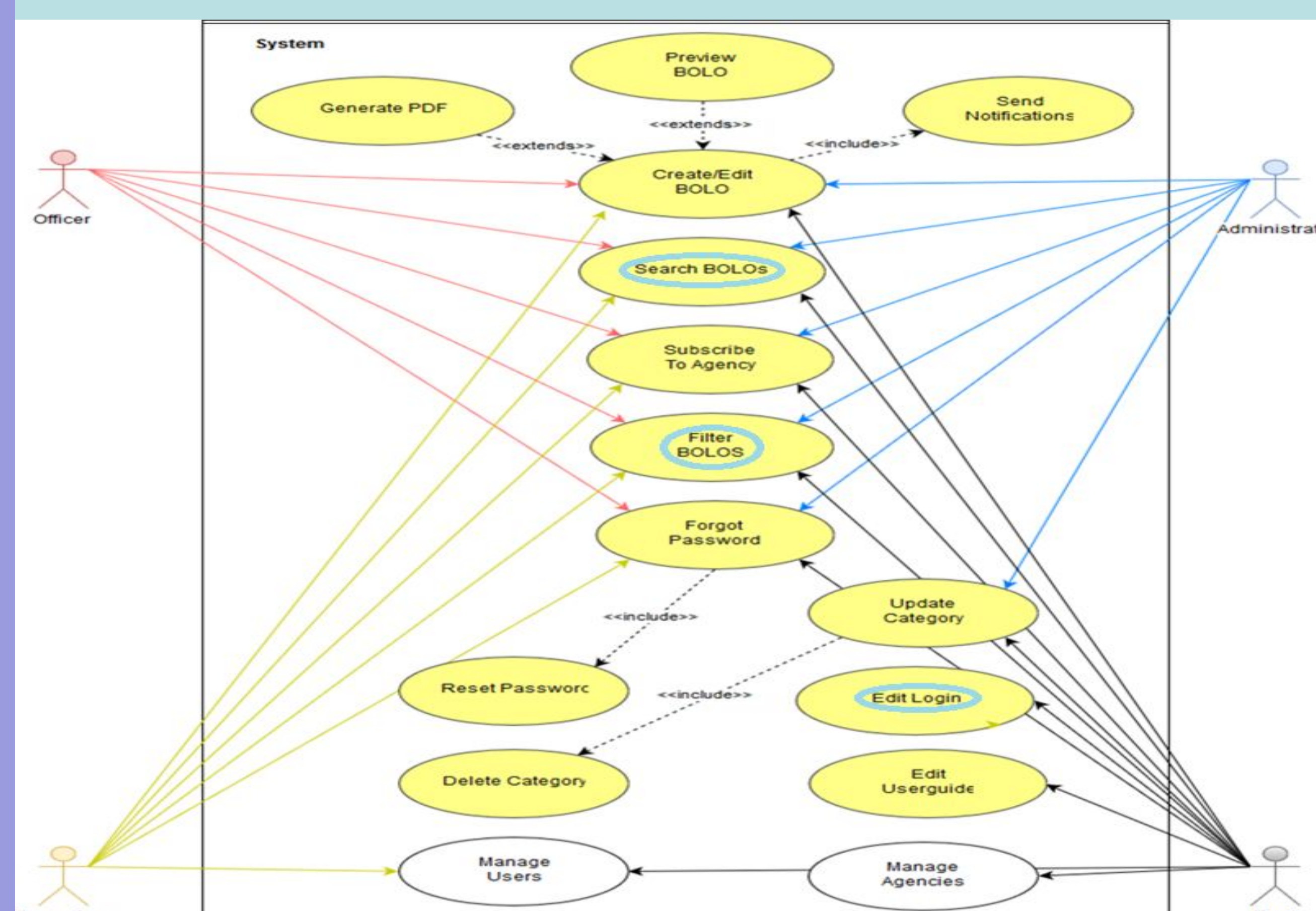The root should get into the Admin menu
Input:
The root should log In
The root should get into the Admin menu
The root should click on the Edit Log In Page
The root should change the title, subtitle, logo or any combination of them
The root should save the changes by clicking in the SAVE button
Expected Output:
The root should be able to edit the Title, Subtitle or logo or any combination of them of the login page

Object Design
BOLO System Functionality

Web Usability

BOLO app shows strong usability with respect to the elements of its design. The app itself is a novel idea for helping improve communication between users on the police departments. With some minor improvements could even represent an ideal application of web usability for a clearly defined user base.

Summary

BOLO-7.0 will allow the police department to interact with the application quickly and easier. We contributed to develop the functionality and hope the future versions will do it in the same way.

Acknowledgement