**Vision and Scope Document**

**For**

**Dash-R-Come**

**Version 1.0 approved**

**Prepared by**

**Hurley Evangelista Emmanuel Devera Alyssa Fernandez Miguel Matawaran**

**School of Computing and Information Technologies**

**March 28, 2018**

**Vision and Scope for DASH R COME Page ii**

# Table of Contents

[Table of Contents 2](#_Toc509991526)

[Revision History 2](#_Toc509991527)

[1. Business Requirements 1](#_Toc509991528)

[1.1. Background 1](#_Toc509991529)

[1.2. Business Opportunity 1](#_Toc509991530)

[1.3. Business Objectives and Success Criteria 1](#_Toc509991531)

[1.4. Customer or Market Needs 2](#_Toc509991532)

[1.5. Business Risks 2](#_Toc509991533)

[2. Vision of the Solution 2](#_Toc509991534)

[2.1. Vision Statement 2](#_Toc509991535)

[2.2. Major Features 2](#_Toc509991536)

[2.3. Assumptions and Dependencies 3](#_Toc509991537)

[3. Scope and Limitations 3](#_Toc509991538)

[3.1. Scope of Initial Release 3](#_Toc509991539)

[3.2. Scope of Subsequent Releases 3](#_Toc509991540)

[3.3. Limitations and Exclusions 3](#_Toc509991541)

[4. Business Context 4](#_Toc509991542)

[4.1. Stakeholder Profiles 4](#_Toc509991543)

[4.2. Project Priorities 4](#_Toc509991544)

[4.3. Operating Environment 5](#_Toc509991545)

# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Hurley Evangelista | 01/25/2018 | Created vision and scope | 1.0 |
| Emmanuel Devera | 01/26/2018 | Created Business Opportunity, Objectives and Success Criteria, Business Risk and Vision Statement | 1.1 |
| Miguel Matawaran | 3/28/18 | Created Operating Environment | 1.2 |
| Hurley, Miguel, Emmanuel and Anne | 3/28/18 | Finalized the project vision and scope | 1.3 |

# Business Requirements

The proposed project is an Incident Reporting System. The system will provide the client a mobile application that will help them receive a detailed, and valid incident reports. Using the system, the client will be able to monitor the most common incident that occurs in the area. Using the system, the client will be able to lessen the prank callers and avoid deploying people to respond to prank callers.

## Background

The current system that the Barangay Magallanes is using is a database that stores the records of incident reports that they have received. They use this system to keep track of the incidents reports. These records are being forwarded to Makati Police District 2 every month for compilation. The client’s problem is receiving and validating incident reports. Sometimes, they receive incident reports that is not covered by their jurisdiction, what they do in these cases is they forward/ refer the reporter to the designated department.

## Business Opportunity

The team found out that Barangay Magallanes has issue in receiving incident reports via telephone calls. In today’s times, crime, vehicular accidents, fire, exploitation of traffic officers and robbery is hard to investigate especially when there is no proof or witnesses. A system that can keep track of these cases can be helpful not only to the client but to everyone who gets involved to an incident.

## Business Objectives and Success Criteria

The team’s main objective is to provide the client an Incident Reporting System that could help the client receive incident report. Also, the system has an easy to use firebase where the incident reports like picture or video will be categorized and stored. This categorization feature will help the employee manipulating the firebase analyse the incident report easily.

## Customer or Market Needs

The client’s problem with their current procedure is receiving and validating incident reports. They cannot validate if the reporter is misleading the report. Using the proposed system, validating the incident reports will not be a problem, because the system will require the reporter to upload the incident report like picture or video to the firebase. The incident reports uploaded to the firebase will be analyzed, categorized, and validated by the employee.

## Business Risks

The group is proposing and developing a new system, there are risks that can be encountered upon achieving the group’s objectives. The employee of the client must be trained in order to use the new system without difficulty.

# Vision of the Solution

The system will provide a long term support in the Barangay Magallanes, the team intends to create a consistent system that will able to help the not only the Barangay Magallanes but also its Constituents.

## Vision Statement

The team envisions Barangay Magallanes to have a safe, united and peaceful community. The team aims to have fast and responsive rescuers. Using the system, the client will be able to validate the incident reports easily.

## Major Features

The proposed system’s main features are:

* Login system feature to authenticate the user and to avoid fake reporters.
* 'Take a snap' feature that allows user to send only a picture of an event.
* 'DashBlue' feature that allows user to transfer the video footage of the incident from the dashboard camera to the android device.
* 30 seconds limitation for capturing to video footage to reduce the memory used.
* A third party video cutter feature to reduce the file size and data that will be consumed.

## Assumptions and Dependencies

The team assumes that the project will be implemented and will meet the client’s expectations and requirements.

# Scope and Limitations

The scope of the project is the Barangay Magallanes in Makati City. The group target users of the mobile application are the motorists, bystanders, constituents and android device users. In order for the user to use the mobile application, the user must register to the mobile application and must have an internet connection or mobile data. Also, the user must have a picture or video footage of the incident captured that will be uploaded later on to the firebase, which is being operated by Barangay Magallanes employee. In capturing pictures or videos, the user has three options, first, the user can use dashboard camera and transfer to the android device with its Bluetooth feature (the two devices must have a Bluetooth capability), second, if the user had captured the video footage with his/her android device, it must save in the android’s file system such as, Gallery and upload in the application from the file system, and third, the ‘take a snap’ feature to directly capture the video footage in the application that has 30 seconds limitations.

If the user does not have an internet connection, then the application cannot be used to emergency situation. The project will not be covering the responding part of Barangay Magallanes and the desired leading agency. The proposed project is only limited in generating incident report that will be forwarded to the desired leading agency

## Scope of Initial Release

The group intends to provide the following at the Initial release of the product

* Fully working mobile application
* Web-server that is accessible to Barangay Magallanes
* List of hotlines of different departments in the Makati City

## Scope of Subsequent Releases

When the system has been successfully implemented, the team is planning to add the statistics feature. This feature will record all the incident reports and compile them for the client to have statistics.

## Limitations and Exclusions

The client might anticipate a feature that can automatically categorize the type of incident that was uploaded to the firebase.

# Business Context

Some business issues that the project may encounter are there are similar projects out there. The major customers of the project are the; motorists, bystanders, constituents and android users. The group come up with the project because the group found an opportunity and thought that the project is possible.

## Stakeholder Profiles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Stakeholder** | **Major Value** | **Attitudes** | **Major Interests** | **Constraints** |
| Developer Team | Create the System | Check the functionalities of the System | Meet the requirements of the client | Budget and Time |
| Barangay Magallanes | Get rid of fake reports | Monitor the web-server | Easy to use mobile application and web-server | Budget |
| User | Report an Incident | Film an incident report / take picture of an incident | To be taken action | Data Connection  Android version |

## Project Priorities

|  |  |  |  |
| --- | --- | --- | --- |
| **Dimension** | **Driver (state objective)** | **Constraint**  **(state limits)** | **Degree of Freedom (state allowable range)** |
| Schedule | release 1.0 to be available by 20/05/2018 |  | Free to use |
| Features | * Login system * 'Take a snap' * 'DashBlue' * Video Cutter | Mobile data/ Internet  Android Version | 70-80% of high priority features must be included in release 1.0 |
| Quality |  |  | 90-95% of user acceptance tests must pass for release 1.0, 95-98% for release 1.1 |
| Staff | Barangay Magallanes Employee | Must undergo to training to be able to use the system |  |
| Cost |  |  | budget overrun up to 15% acceptable without executive review |

## Operating Environment

The system is only accessible in Barangay Magallanes. The system will be manned by Barangay Magallanes Employee. The Barangay Magallanes Employee is responsible for analyzing and validating the incident report.