

XMEAGOL SOFTWARE

# CAPE WATCH

Police System and Crime Statistics

[WWW.XMEAGOL.COM](http://WWW.XMEAGOL.COM)

# XMEAGOL SOFTWARE



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# CAPE TOWN CRIME

**40%**

Increase in the reported murder  
rate in the last five years.

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Among the

**TOP 10**

most violent cities in the world

.....

**2,434**

murders in 2015/2016

.....

# INTRODUCING



# CAPE WATCH

# THE NEED FOR CAPE WATCH

- ▶ The public will be more knowledgeable and aware about crime happening on a day -to - day basis



Allows users to be more cautious with their whereabouts



- ▶ Police officers are able to share and respond to crime reports in an easy manner



Crime reports are organised and safe in a computer-based format





# Overview of Cape Watch

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- Allows police officers to store crime reports
- Generates statistics based on official reports
- Generates crime hotspots based on crime rate
- Can be accessed on any device with a connection to the internet

# LANGUAGES AND

## FRONT-END

- HTML and PUG
- CSS and SASS
- JavaScript
- jQuery
- Bootstrap
- AJAX

## BACK-END

- Java Servlets
- JSP
- Java

## DATABASE

- MySQL
- SQL Workbench
- phpMyAdmin

## TECHNOLOGY USED

- Web Servers  
(Glassfish, Apache, Tomcat)
- GitHub
- GoogleMaps API
- Gulp

## TECHNOLOGIES USED

# CHALLENGES

- Learning new languages and skills
- Compatibility Issues
- GitHub - merge conflicts
- Glassfish
- Integration



# Lessons Learned

- Effective communication in a group
- Using a methodology
- Time management
- Unit testing





# THANK YOU!

*Stay Safe*

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