

BMN NOBELA 220068786



# CRIME IN SOUTH AFRICA

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# PRESENTATION



**INTRODUCTION**



**BACKGROUND**



**PROBLEM DESCRIPTION**

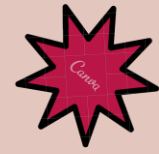


**PROPOSED SOLUTION**



**PROTOTYPE**





# INTRODUCTION



South Africa has a serious crime problem, with high rates of violent crimes like murder, rape, and assault.

South Africa has one of the highest rates of violent crime in the world.

High levels of poverty and unemployment have all been linked to South Africa's high crime rates.





# BACKGROUND



South Africa has always struggled with reducing the high rates of crime. The main contributors to the issue are poverty, unemployment, and inequality.

The government has tried to implement ways to reduce crime like hiring more staff for police organizations like SAPS. However, the organization faces much criticism due to the lack of resources and corruption within the department.


Despite these obstacles, the South African government has implemented different crime prevention programs and increased police staffing to decrease crime in the nation. Yet these processes have been dragged and the safety of South Africans is compromised.



# PROBLEM DESCRIPTION

 Crime is increasing rapidly in South Africa together with the unemployment and poverty rate mainly in townships.

South African townships are a red hazard for crime, with a high population and unemployment rate. Around those areas, there is only one police department which caters to a whole community. That leads to under staffing within that department due to high level of crimes. There are instances where there are not enough police vans available in that specific department. Leading to a lack of safety in a community.

The government cannot actually tell which areas in South Africa need more analysis. Therefore improvement for decreasing crime is prolonged. 



# PROPOSED SOLUTION

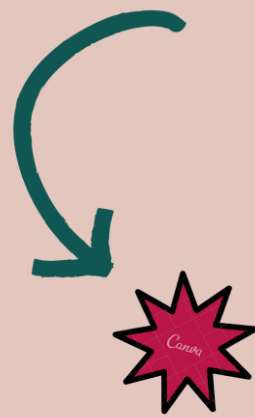


*Using a graph implementation to view areas that are most affected by a specific crime will eliminate areas with a low crime rate and focusing on areas with a high rate of a specified crime.*

*This will enable the government to view areas that need more focus and are in serious need of safety. Hopefully, it would speed up the development process done by the government in that area.*



# PROTOTYPE





# Crime Evaluation

Add Crime Location

Add Type Of Crime

Add Edges

Display Graph

Remove Edge

Remove Vertex

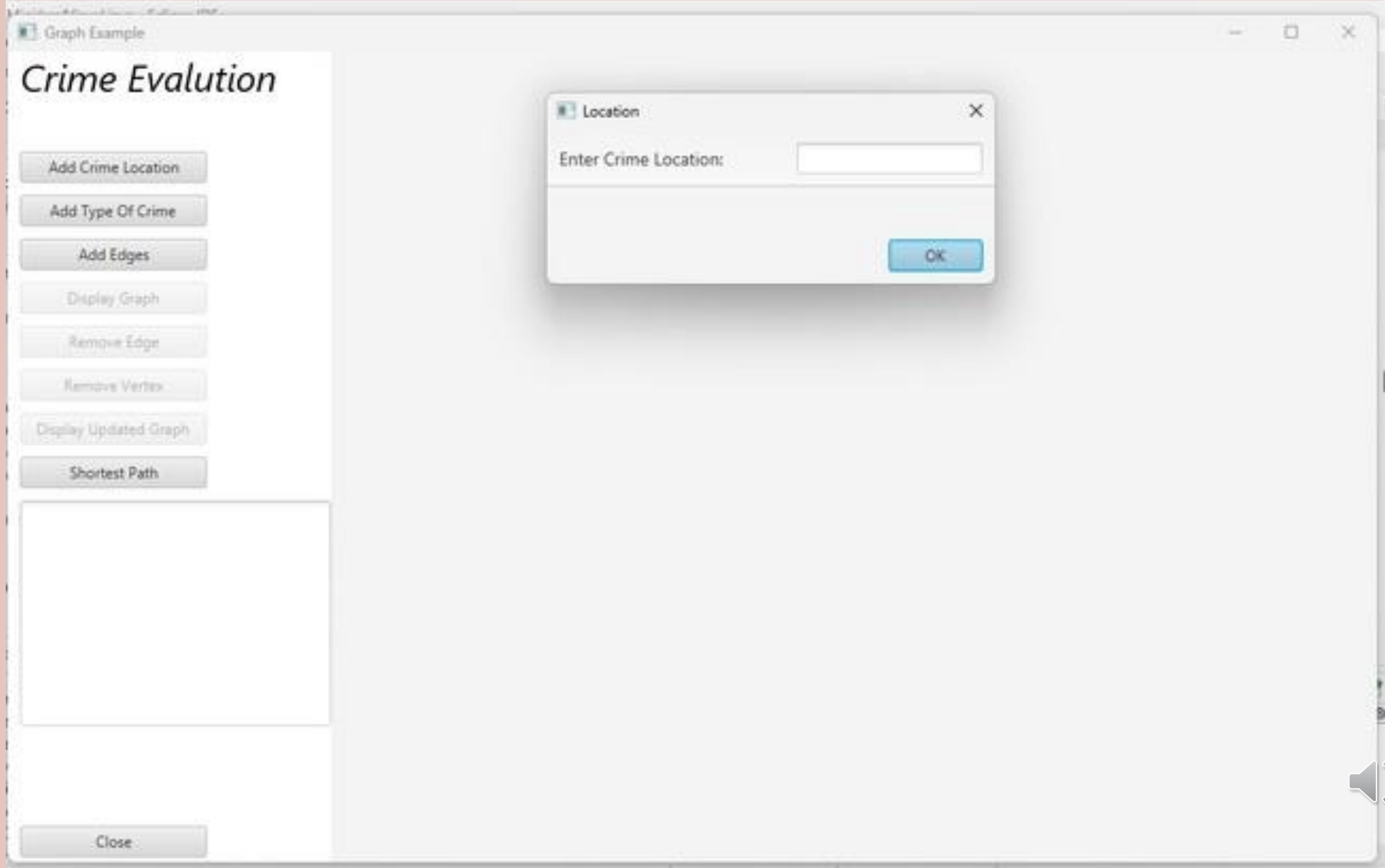
Display Updated Graph

Shortest Path

Close







Graph Example

# Crime Evaluation

Add Crime Location

Add Type Of Crime

Add Edges

Display Graph

Remove Edge

Remove Vertex

Display Updated Graph

Shortest Path

Close

Crime Type

Enter Crime Type:

OK



Graph Example

# Crime Evalution

Add Crime Location

Add Type Of Crime

Add Edges

Display Graph

Remove Edge

Remove Vertex

Display Updated Graph

Shortest Path

Close

Add Edges

Crime Location

Type Of Crime

Enter The Cost Between The Two Vertex

Phomolong

Rape

32

Add Egde

Cancel



