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Local Police Records System in Nigeria (Standalone Prototype)

Acknowledgment

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- Introduction and Abstract
- Workflow (Software Development Life Cycle)
- Discursion and conclusion
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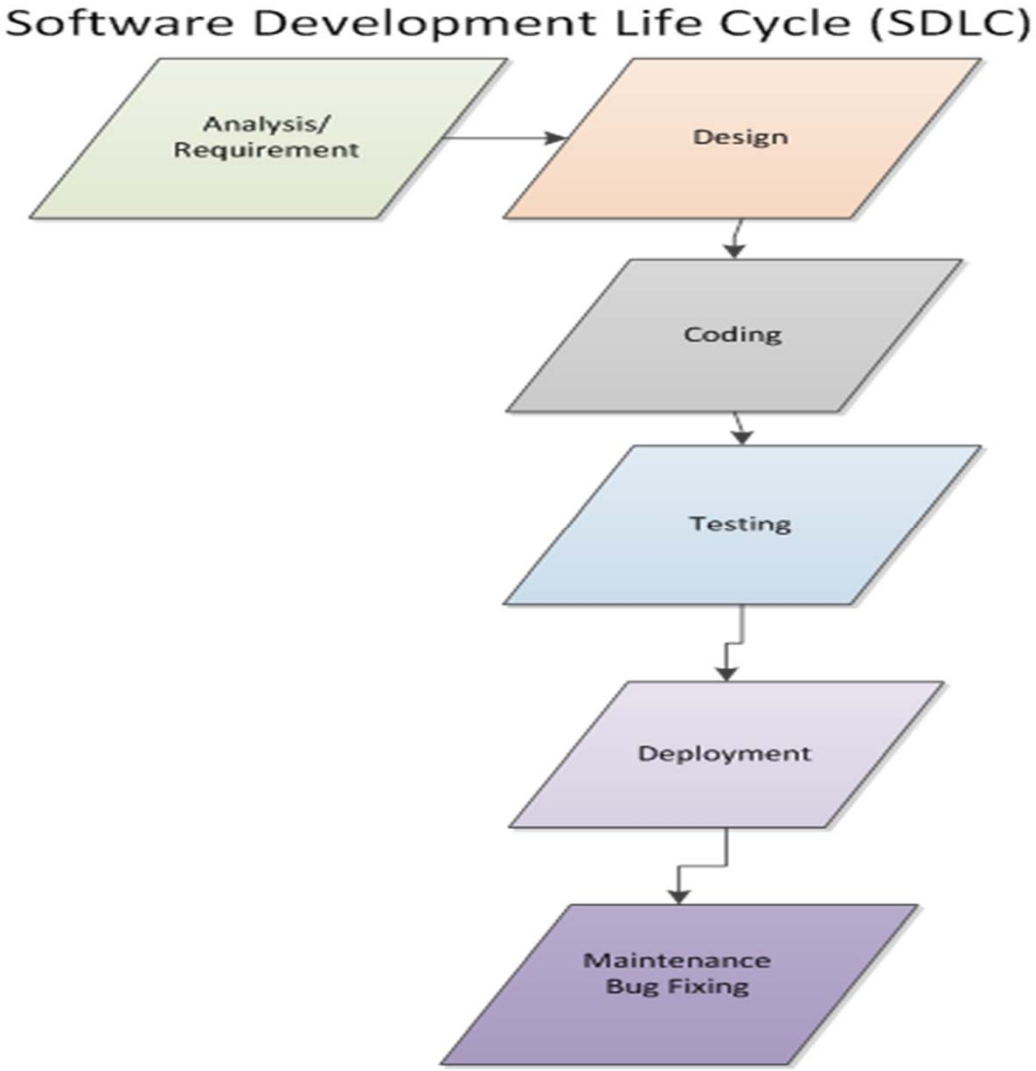
Introduction

- A simplified tool for the collection and storage of data in remote police post.
- The big shift from policing by the use of force to policing by Intelligence gathering (which comes from analyzing data in most cases)
- The output is a **Prototype Standalone** Microsoft windows application

Work flow

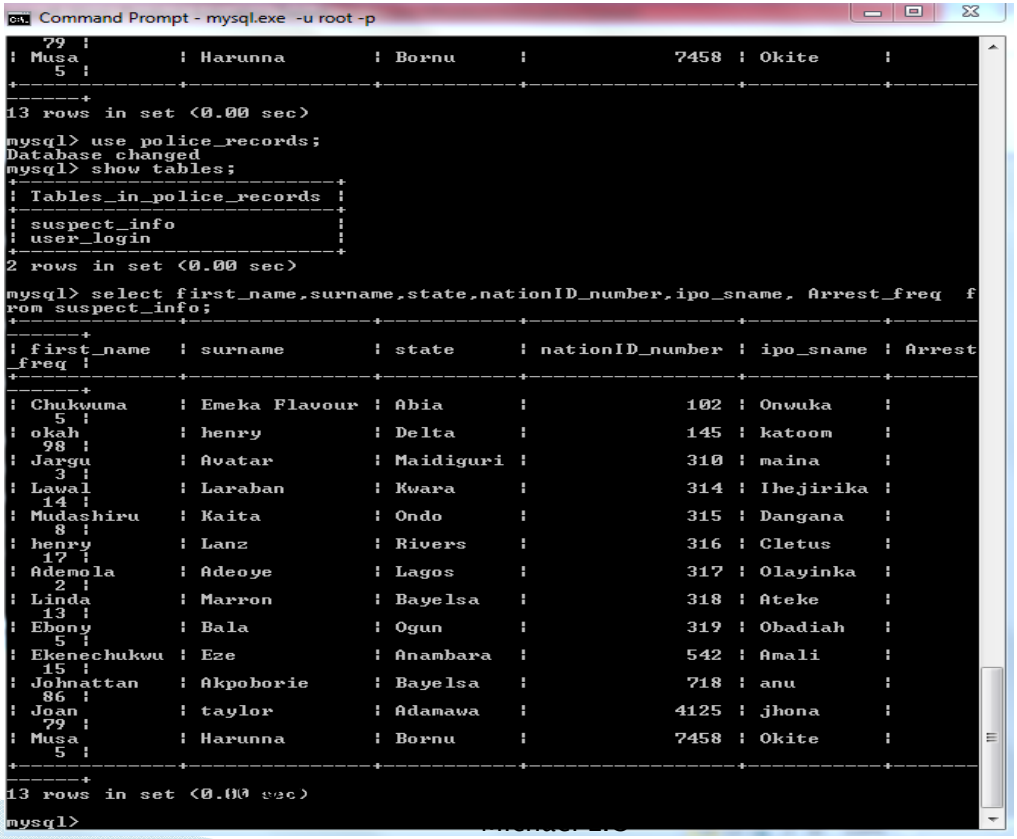

Software Development Life Cycle (SDLC)
Analysis/ Requirement
Design
Coding
Testing
Deployment
Maintenance Bug Fixing

- **Analysis**: During the Analysis stage we try to ascertain the minimum requirement necessary to initiate design of the desire application system
- **Design** :From the analysis made in the phase above, the different component or what could be called model of the Application was drawn out; Login Interface, Data entry Interface, Customized Query interface, Report Interface and Chart interface.

- **Development/Coding**; The design phase above provided the direct input to this phase. As soon as the various components were made coding was relatively easier to achieve.
- **Testing/Deployment**: Product has been tested with some pseudo data and so far everything functions. An independent evaluation is also been expected from one of our lecturers here.

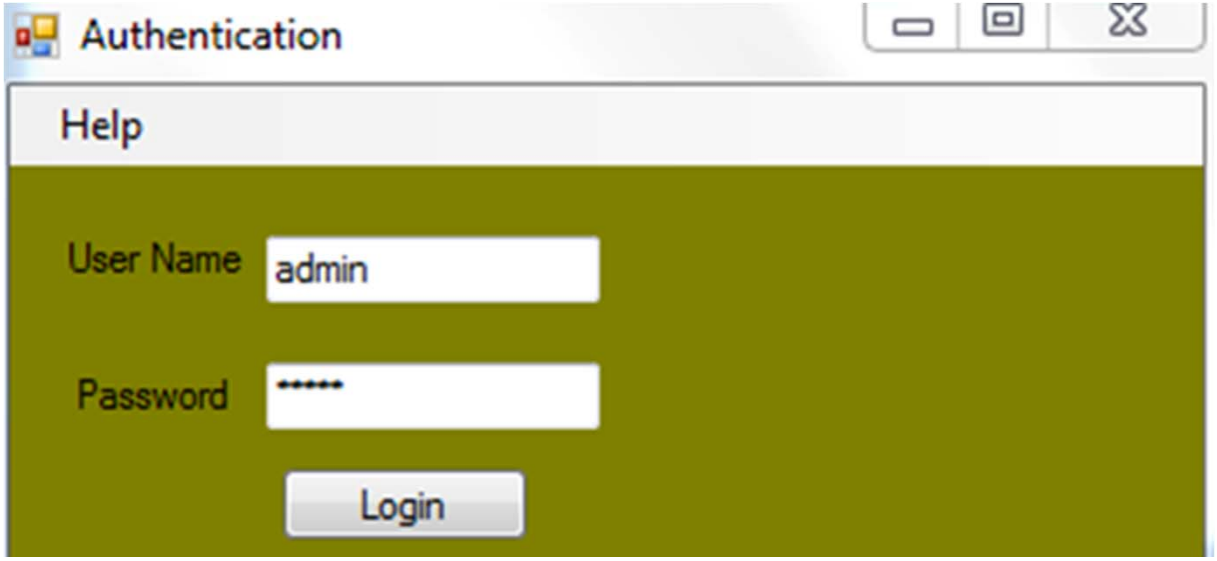
Materials/Tools

- Microsoft Visual Studio 2010 was used in designing GUI interface,
- MySQL backend database was used

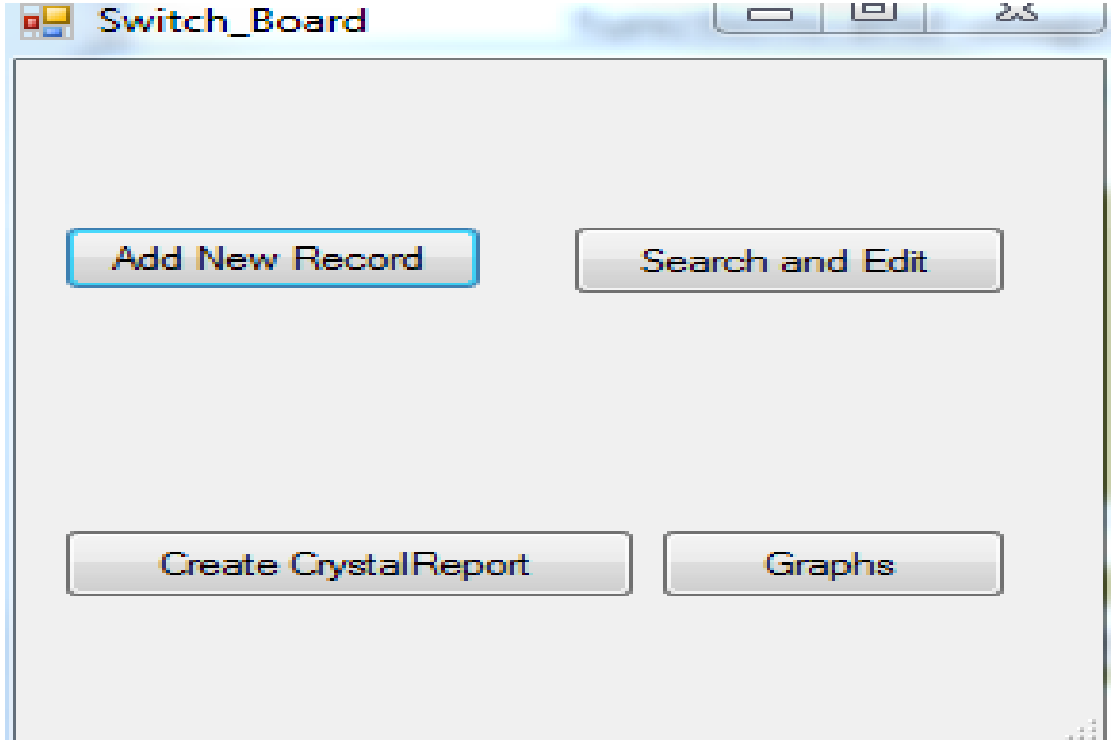


- SAP (Crystal reporting) was integrated into the application
- ArcGis was used for visualization.

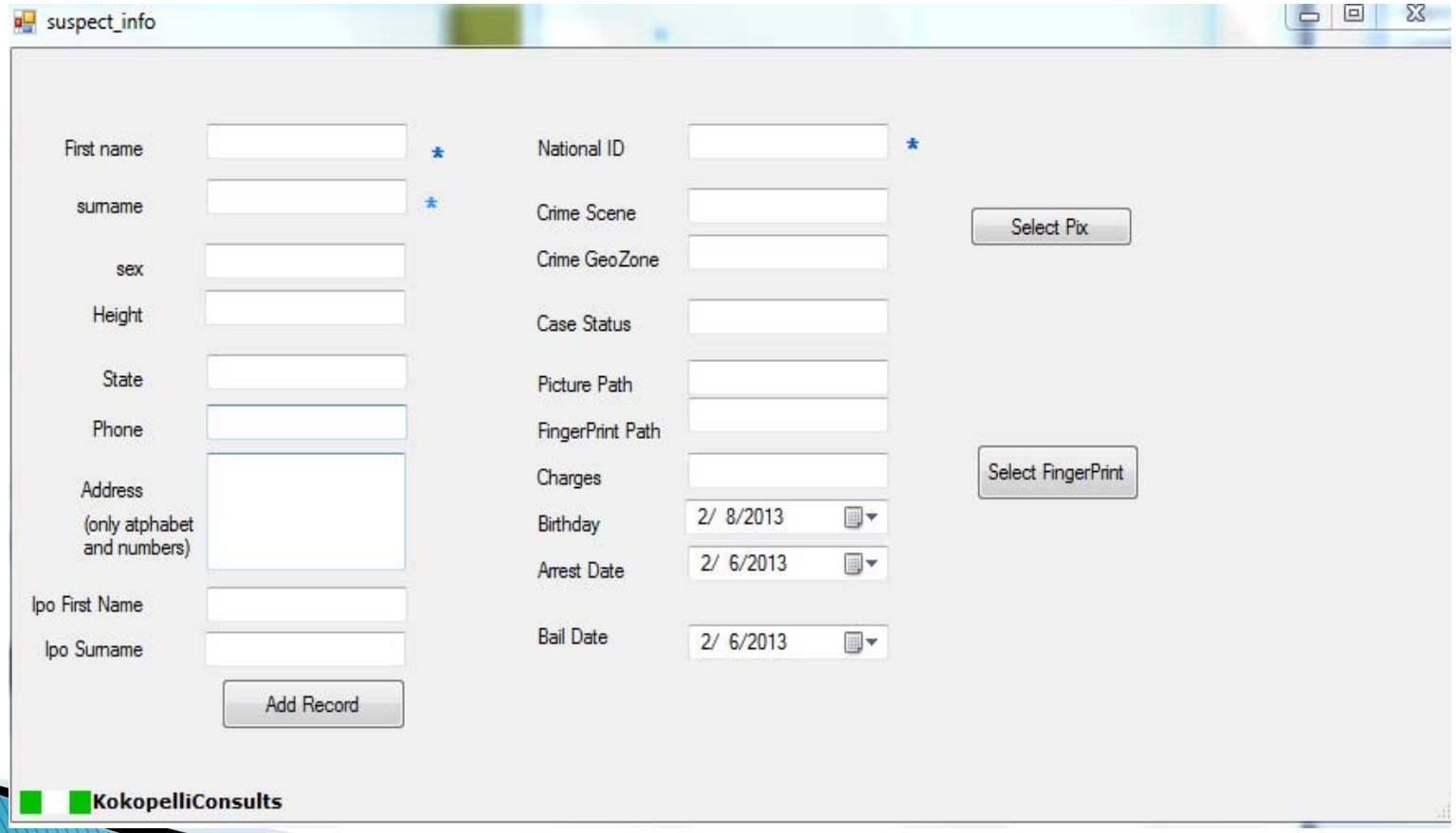
Login Interface



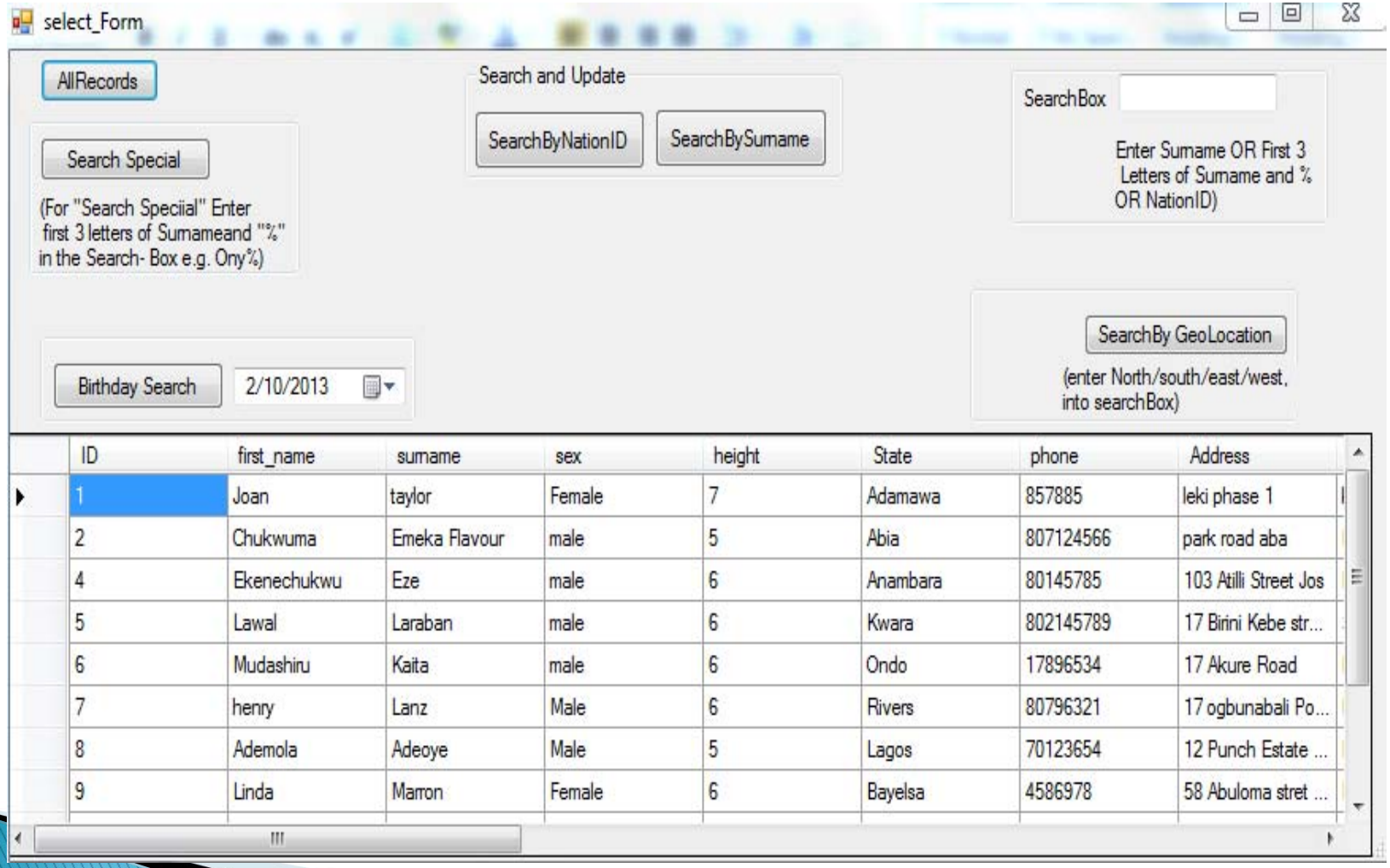
Switchboard



Data Entry Form

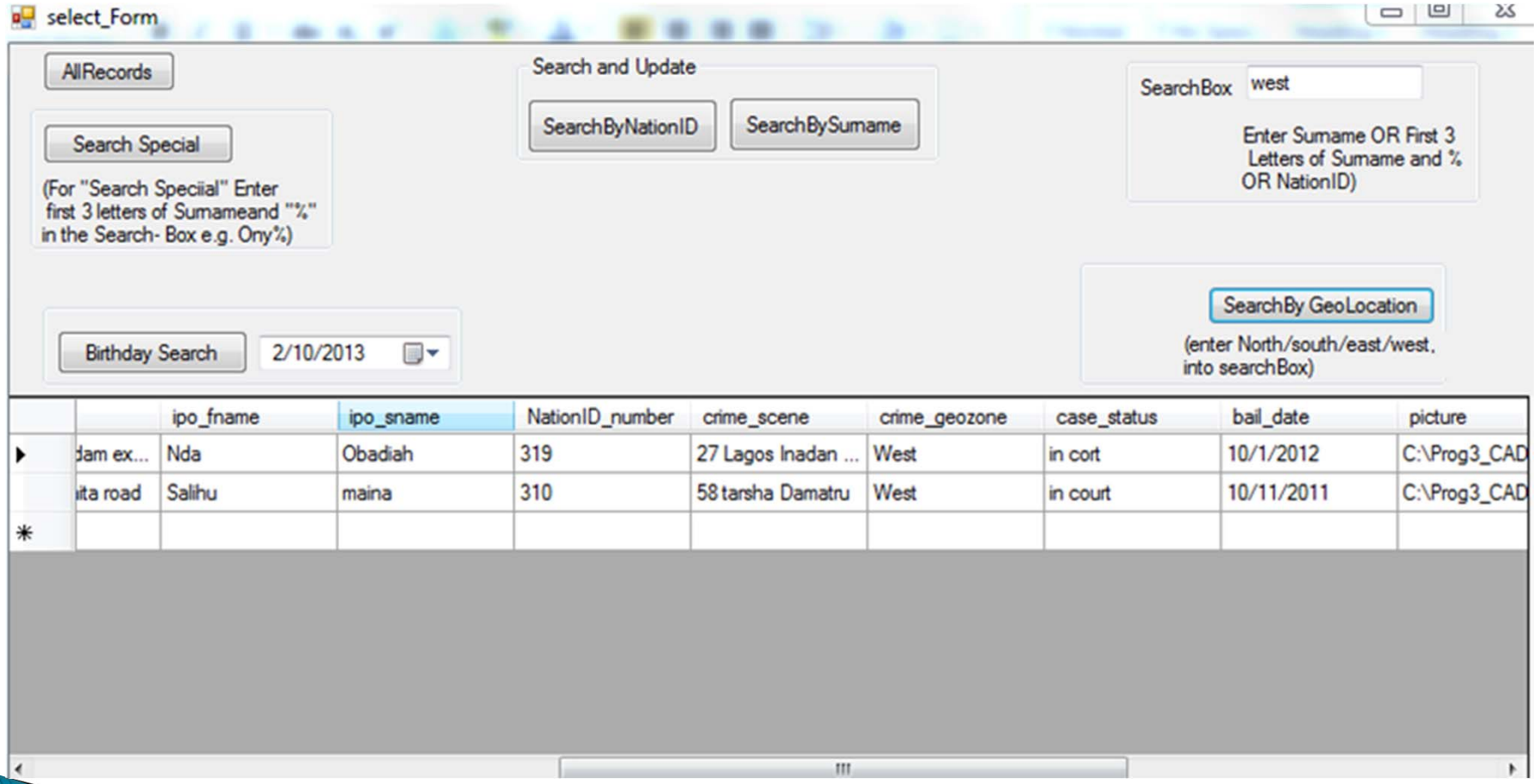


Customized Query module

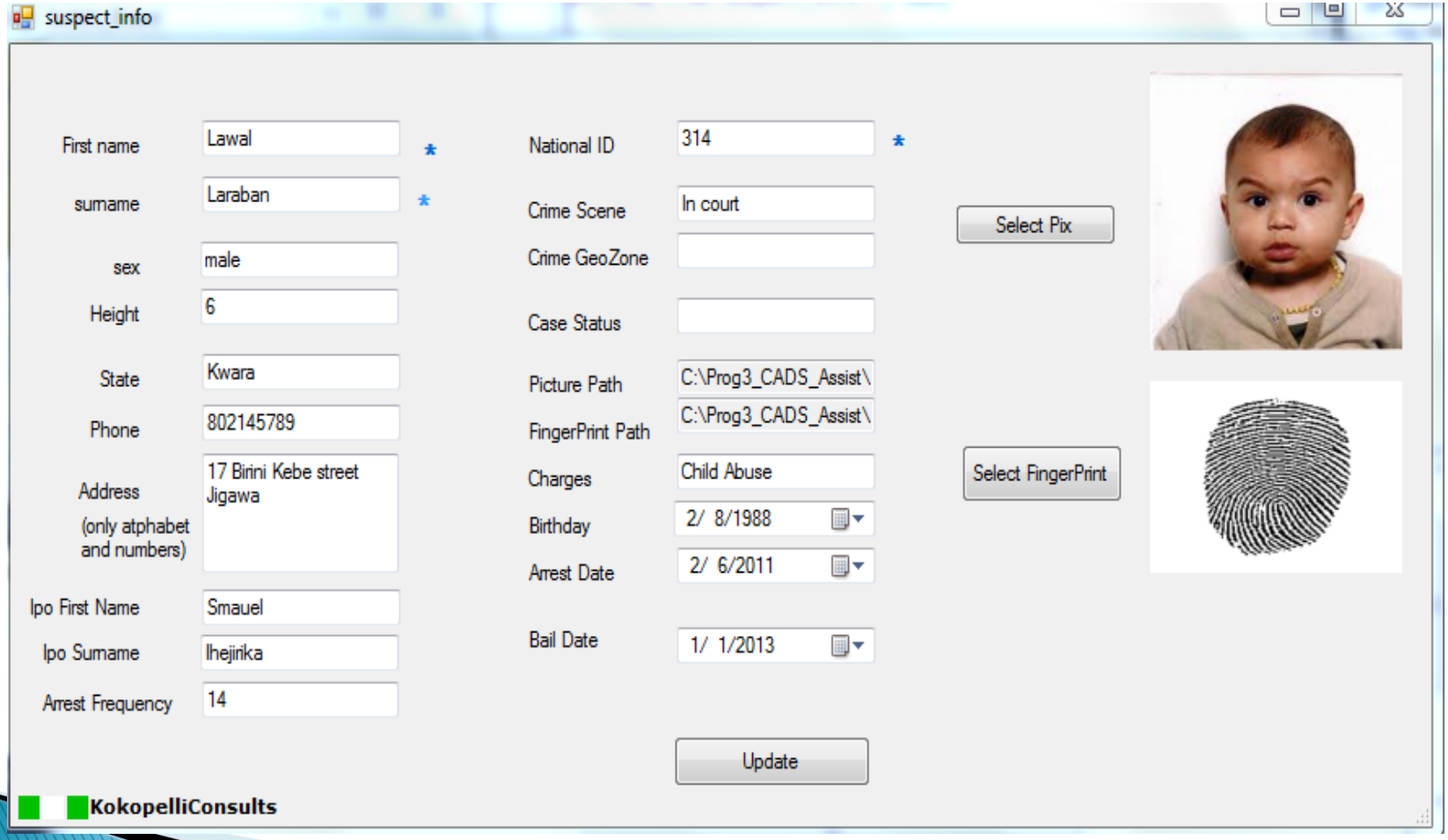


ID	first_name	surname	sex	height	State	phone	Address
1	Joan	taylor	Female	7	Adamawa	857885	leki phase 1
2	Chukwuma	Emeka Flavour	male	5	Abia	807124566	park road aba
4	Ekenechukwu	Eze	male	6	Anambara	80145785	103 Atilli Street Jos
5	Lawal	Laraban	male	6	Kwara	802145789	17 Birini Kebe str...
6	Mudashiru	Kaita	male	6	Ondo	17896534	17 Akure Road
7	henry	Lanz	Male	6	Rivers	80796321	17 ogbunabali Po...
8	Ademola	Adeoye	Male	5	Lagos	70123654	12 Punch Estate ...
9	Linda	Marron	Female	6	Bayelsa	4586978	58 Abuloma stret ...

Query applying geo-zone



Query Output



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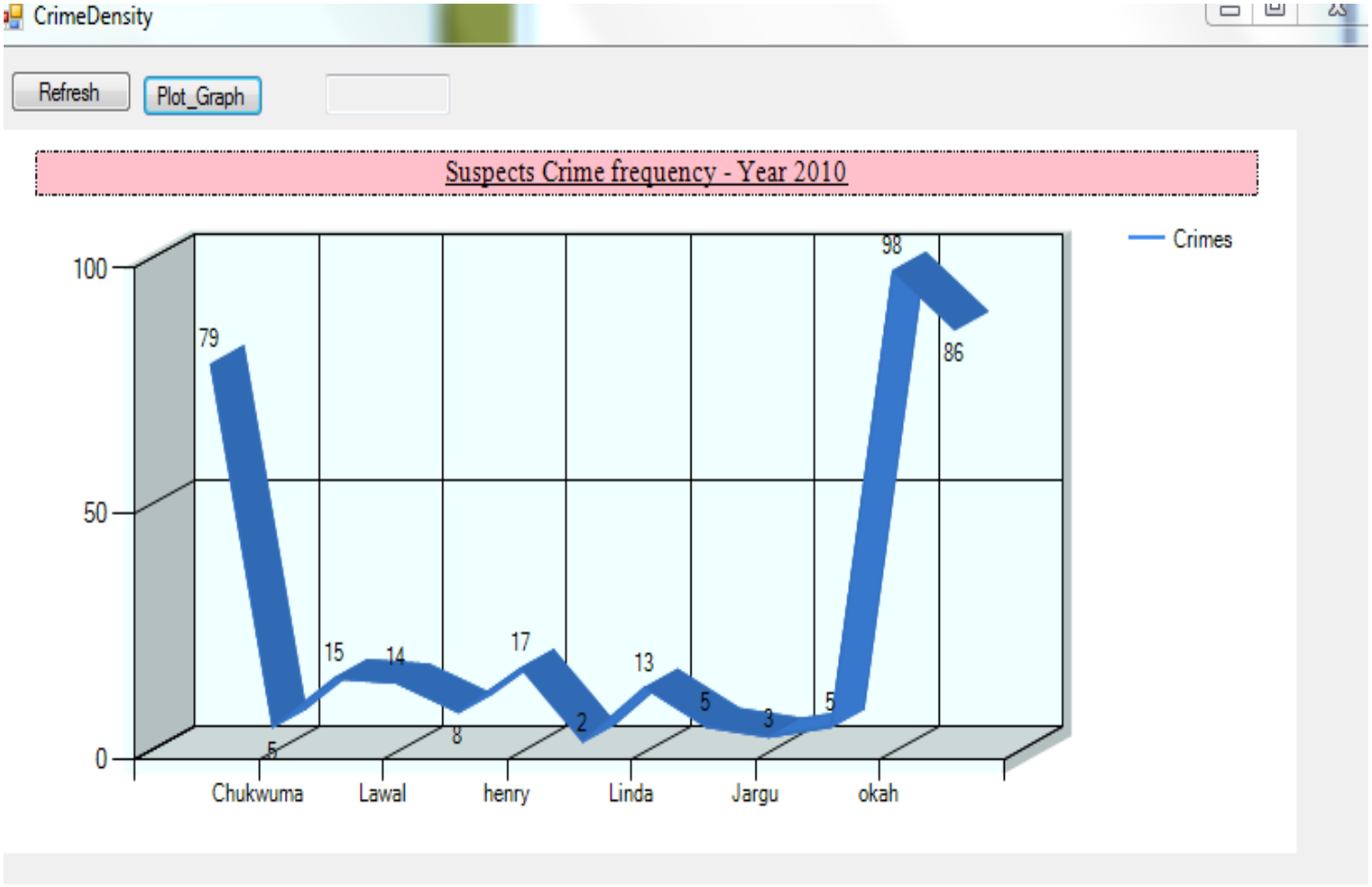
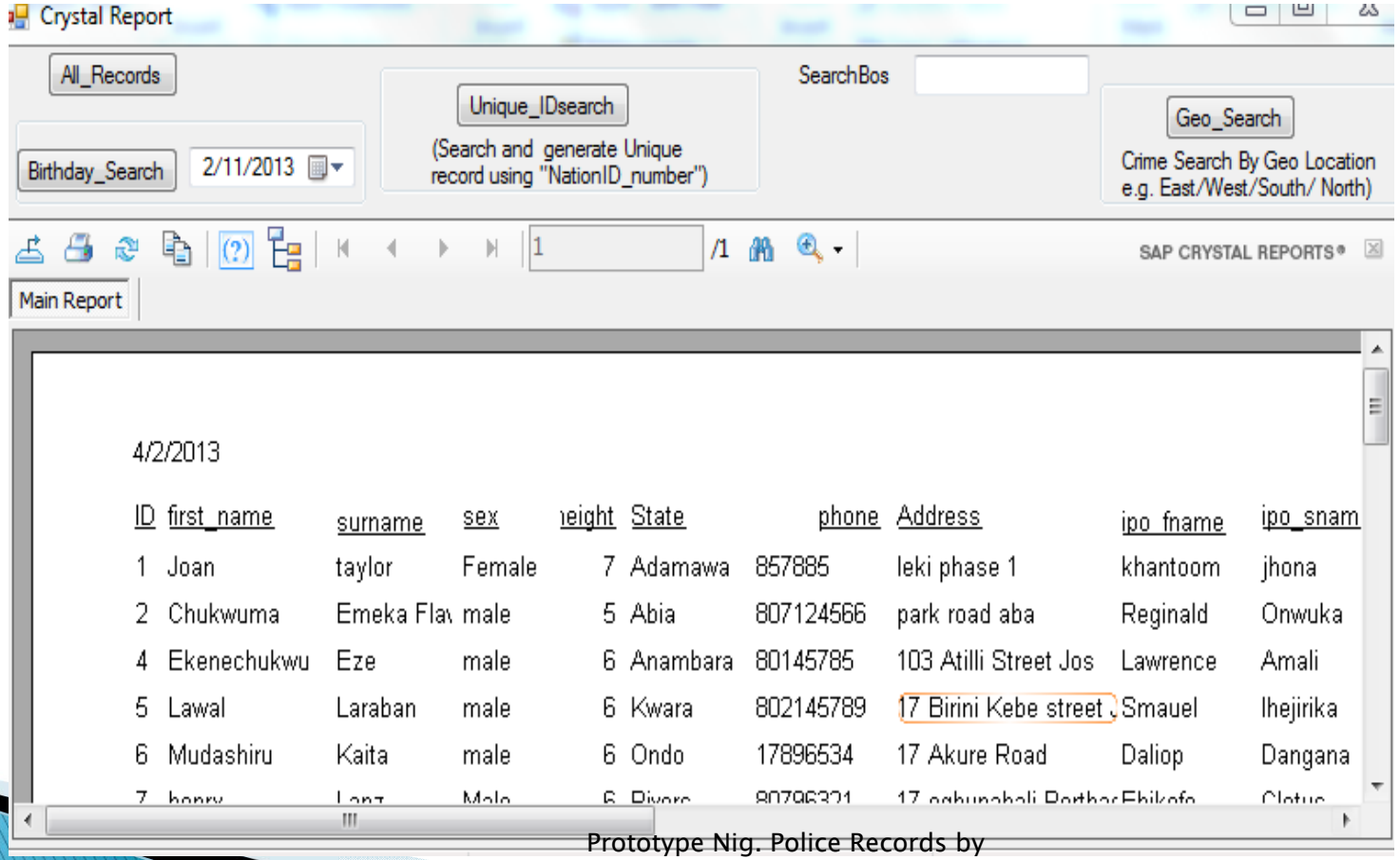
Graphing tool

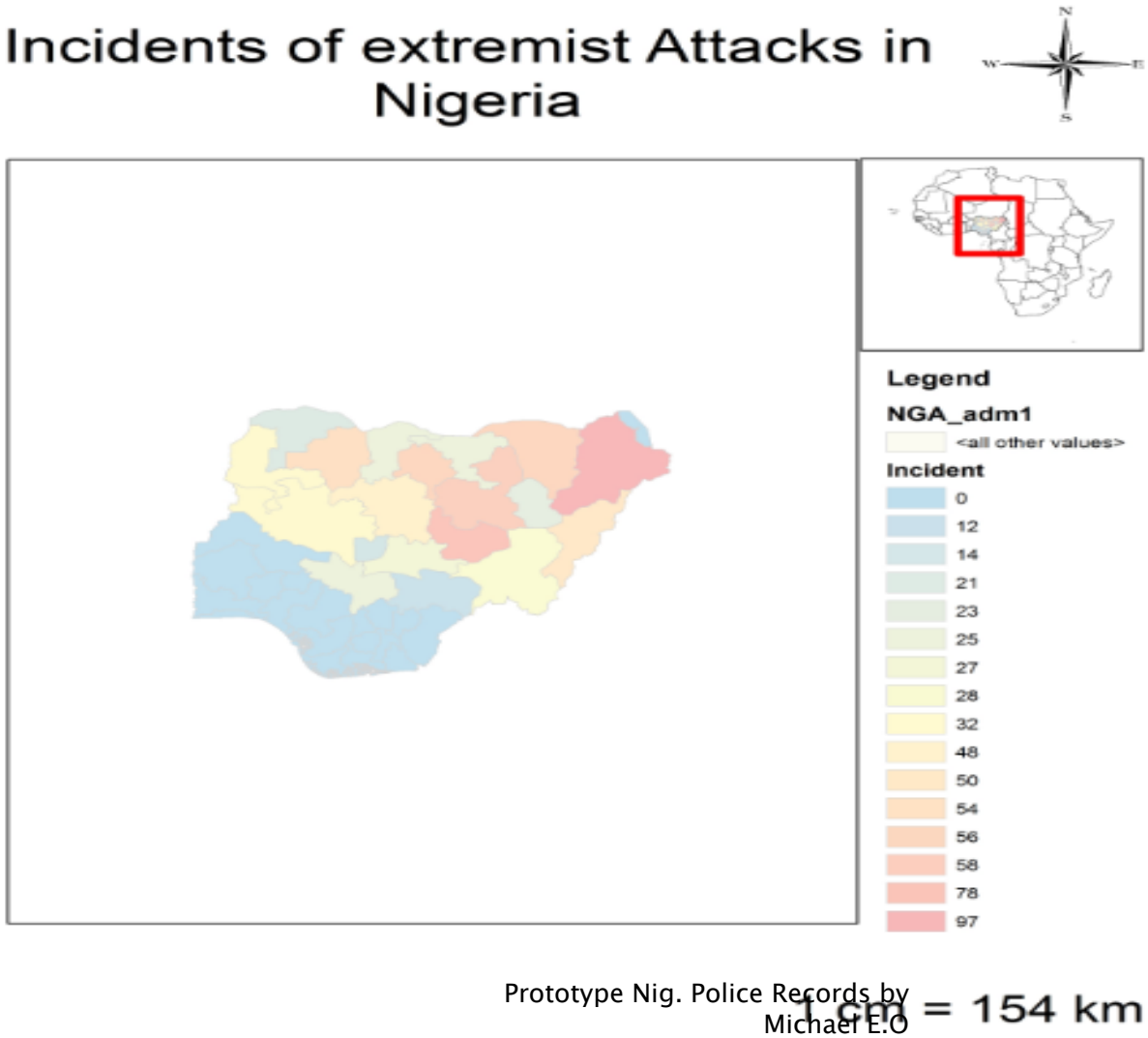


Reporting Module

- Handles export of query result as excel, pdf. and other formats



Visualization of exported report



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Conclusion and Recommendation

- Establishment of a central database system where remote stations connect via intranet
- Expanding the existing solution into a client server based solution

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Thank you!