

Save Baltimore

- Final Delivery

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Agenda

1. Description of project
2. Final design
3. Testing approach
4. Demo
5. Questions

Goal/Purpose

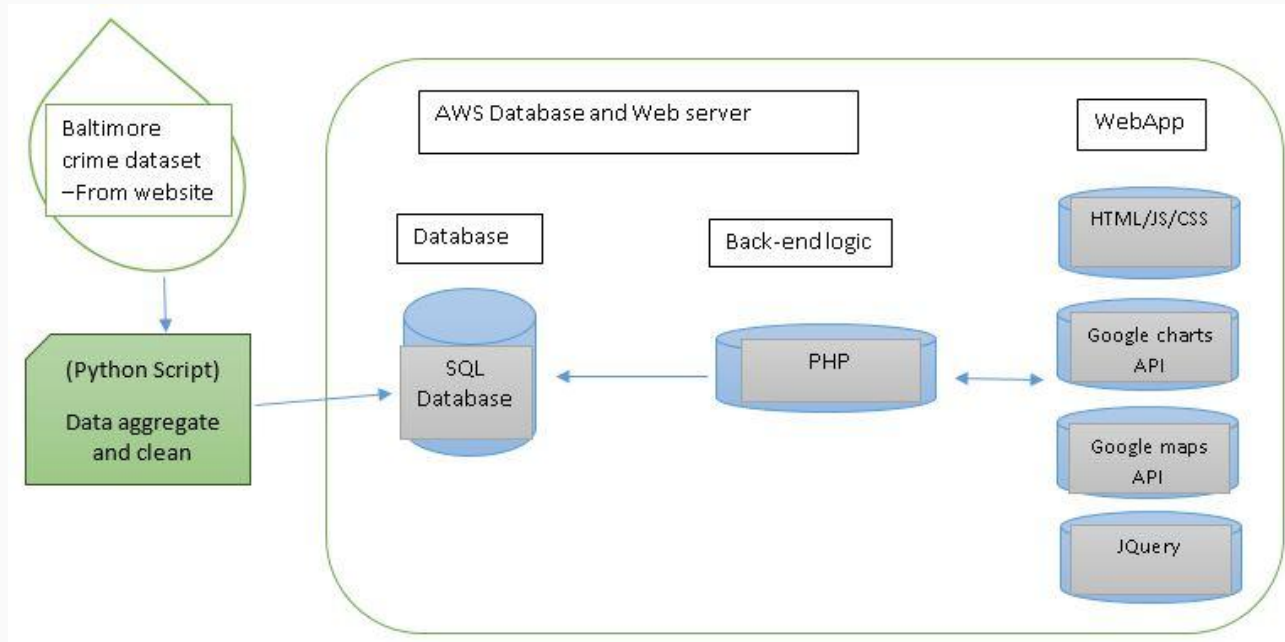
- Help Baltimore police officers visualize city crime data
- Show trends in past crimes
- Give users flexibility to filter data based on parameters
- Display data in an interactive way

Final Design and Requirements

- Dropdown checkbox filters
 - Region, Neighborhood, Crime Type, Weapon
- Histogram date range slider
- Data views in tabs
 - Heat density map
 - Tabular view
 - Pie charts and line graphs
- All views update on filter change

Final Design: Architecture

- AWS EC2 instance
- Apache2 webserver, MySQL database
- Note: Cleanup script in python to allow cron execution



Development & Testing

- Git for version control
- Bottom-up testing approach
- Common data retrieval
 - Ensure filters behave correctly
- Testing Process
 - Create and test small components
 - Merge components with system
 - Test system

Demo

[Save Baltimore Application](#)

Questions?