OPERATION: Track The RailroaD

End Human Trafficking

Our Mission: Create a web application to educate law enforcement agents, social workers, and parents about human trafficking, identify high-risk locations surrounding Atlanta, and END human trafficking

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Who We Are

- "We only have two choices to do NOTHING or to do SOMETHING," and so we chose to bring awareness to Human Trafficking and bring the change we could
- Our organization, Operation: Hack the Railroad has been working towards collecting statistics regarding human trafficking in Atlan GA to reduce these numbers
- Our goal is to END Human Trafficking

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Scan and See the Website

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Our Web Application

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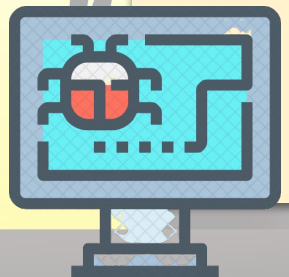
Challenges

- Lack of solid data from CJCC or DOJ for human trafficking
- We lost all the source code day 2
- Learned python, Jupyter, Cloudy Cluster, and Node JS in 2 days!
- Difficult integration of FBI Crime Data API into our web app.



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Accomplishments: Learning & Impact

- Learning:
  - Jupyter Notebook, Node JS, Python3, Cloudy Cluster platform, and Google Colab to analyze crime data
  - Virtual team work, collaboration and presentation skills

- Our Impact:
  - Visualize crimes in Atlanta and its vicinity
  - Collection of statistics and resources to educate users in the community

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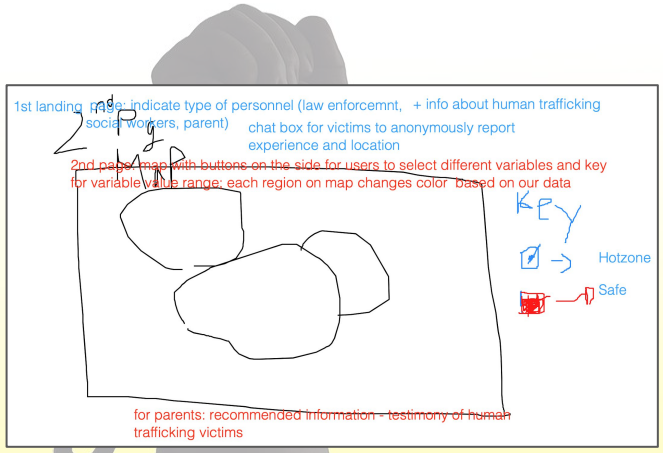
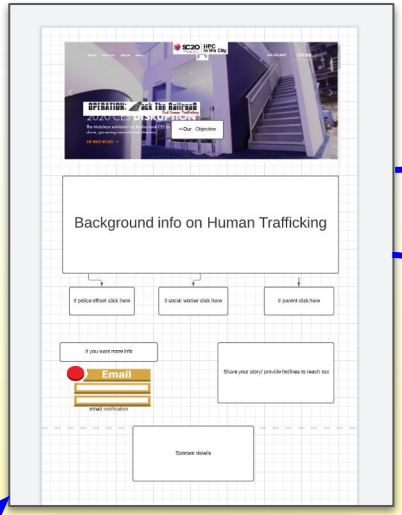
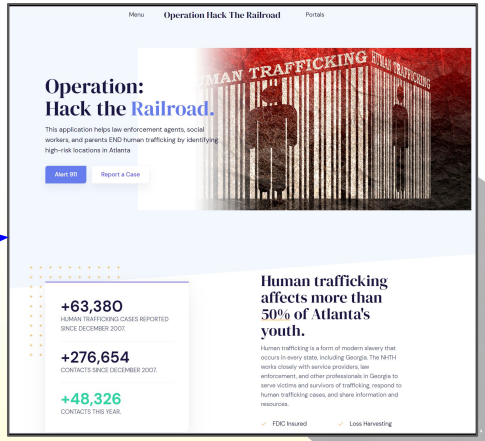
We came a long way with our UI Design

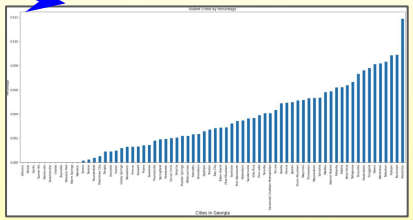


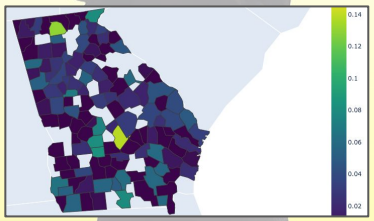
Rough design on Zoom Whiteboard



Polished design on LucidChart







Webpage, crime graphs, crime heat maps

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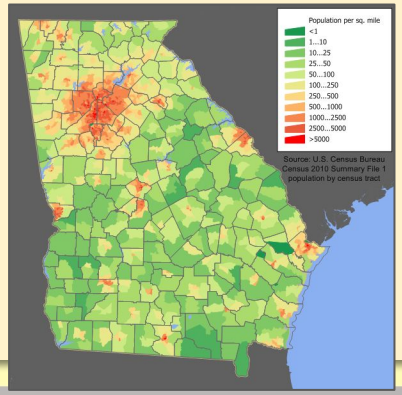
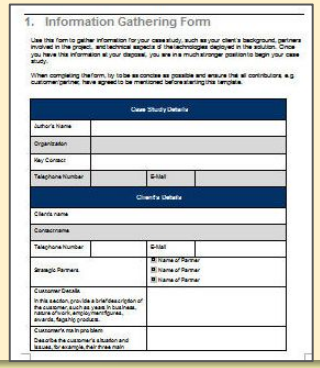
Future Plans

- Use SQL database to collect survey information
- Upload heatmap and graphs on webpage
- Interactive features for heat map and bar graphs





1. Information Gathering Form

Use this form to gather information for your case study, such as your client's background, partners involved in the project, and technical aspects of the technologies deployed in the solution. Once you have this information at your disposal, you are in a much stronger position to begin your case study.

When completing the form, try to be as concise as possible and ensure that all contributors, e.g. customer/partner, have agreed to be mentioned before starting this template.

Case Study Details			
Author's Name			
Organization			
Key Contact			
Telephone Number		E-Mail	
Client's Details			
Client's name			
Contact name			
Telephone Number		E-Mail	
Strategic Partners		☐ Name of Partner ☐ Name of Partner ☐ Name of Partner	
Customer Details In this section, provide a brief description of the customer, such as years in business, nature of work, employment figures, awards, flagship products.			
Customer's main problem Describe the customer's situation and issues, for example, their three main			

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Thank you! Visit our website to learn more about human trafficking.

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