

RESEARCH EASE

SIMPLIFYING THE DATA COLLECTION AND ANALYSIS PROCESS

A Java, MySQL Program by Tracey Cannon

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While the process of data collection and analysis can be time consuming; particularly field research, this program will do the following:

- Create a user-experience platform for the design of protocols
- Create a user-experience platform for the collection of data
- Generate a data set that simultaneously loads data into MySQL, that is more quickly available for download and analysis

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- A Java 8 Language Program
- IntelliJ
- Spring Boot
- MySQL

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Benefits:

- Helps eliminate delay in analysis caused by qualitative data transcription
- Makes outcomes more readily available for evidence-based decision making
- Identifies trends more quickly by enabling data availability without transcribing, etc.
- Allows for larger groups of participants because data collection doesn't rely on audio transcripts only
- Generates data that is user friendly/compatible as CSV files, so that it loads into other data analysis programs

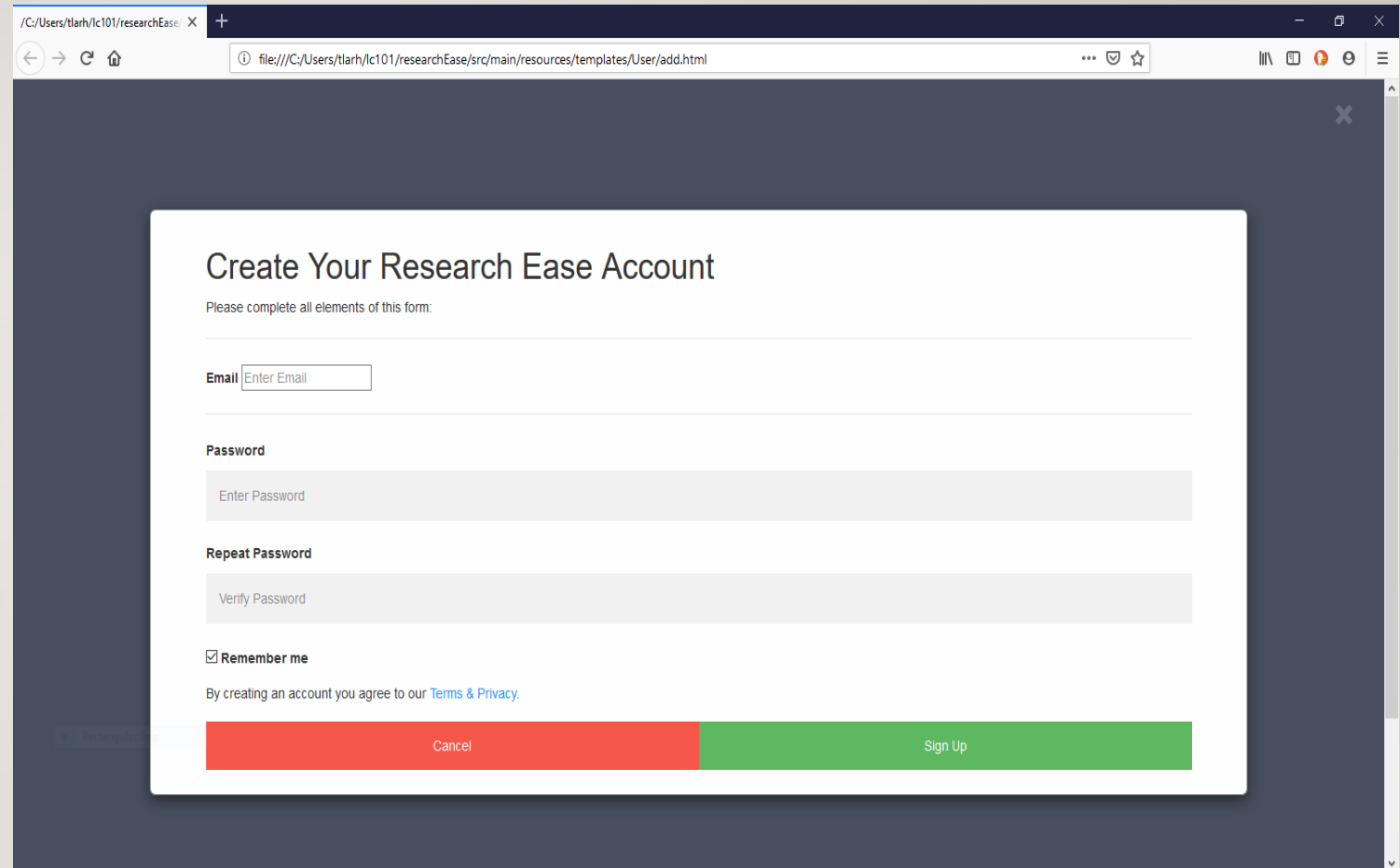
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The Process:

- Researcher Creates an Account
- Designs an Instrument with research questions
- Participants sign into the platform using their tablet, smart phone or laptop and enter responses during the meeting
- Researcher has a MySQL dataset available in real-time

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USER-EXPERIENCE PROGRAM



/C:/Users/tlarh/lc101/researchEase X

file:///C:/Users/tlarh/lc101/researchEase/src/main/resources/templates/User/add.html

Create Your Research Ease Account

Please complete all elements of this form:

Email

Password

Repeat Password

☒ **Remember me**

By creating an account you agree to our [Terms & Privacy](#).

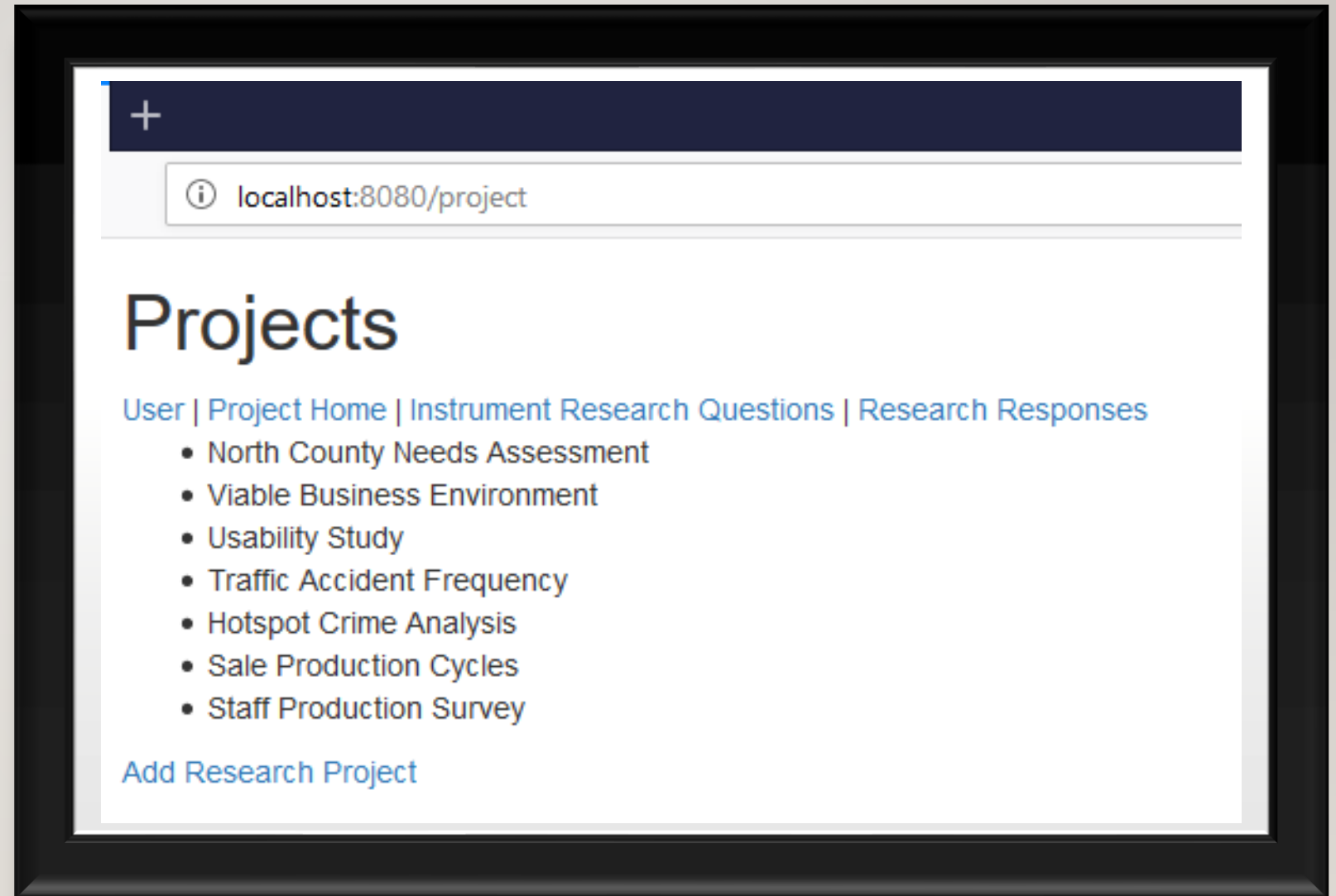
Cancel

Sign Up

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CAN BE USED IN WIDE VARIETY OF
CONTEXTS AND INDUSTRIES:

- NEEDS ASSESSMENTS
- TRAFFIC STUDIES
- CRIME ANALYSIS
- SALES/MARKETING ANALYSIS
- STAFF SURVEYS, ETC.



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RESPONSE EXAMPLE SHOWS A
TREND IN TRAFFIC

localhost:8080/response

My Research Responses

[User](#) | [Project Home](#) | [Instrument Research Questions](#) | [Research Responses](#)

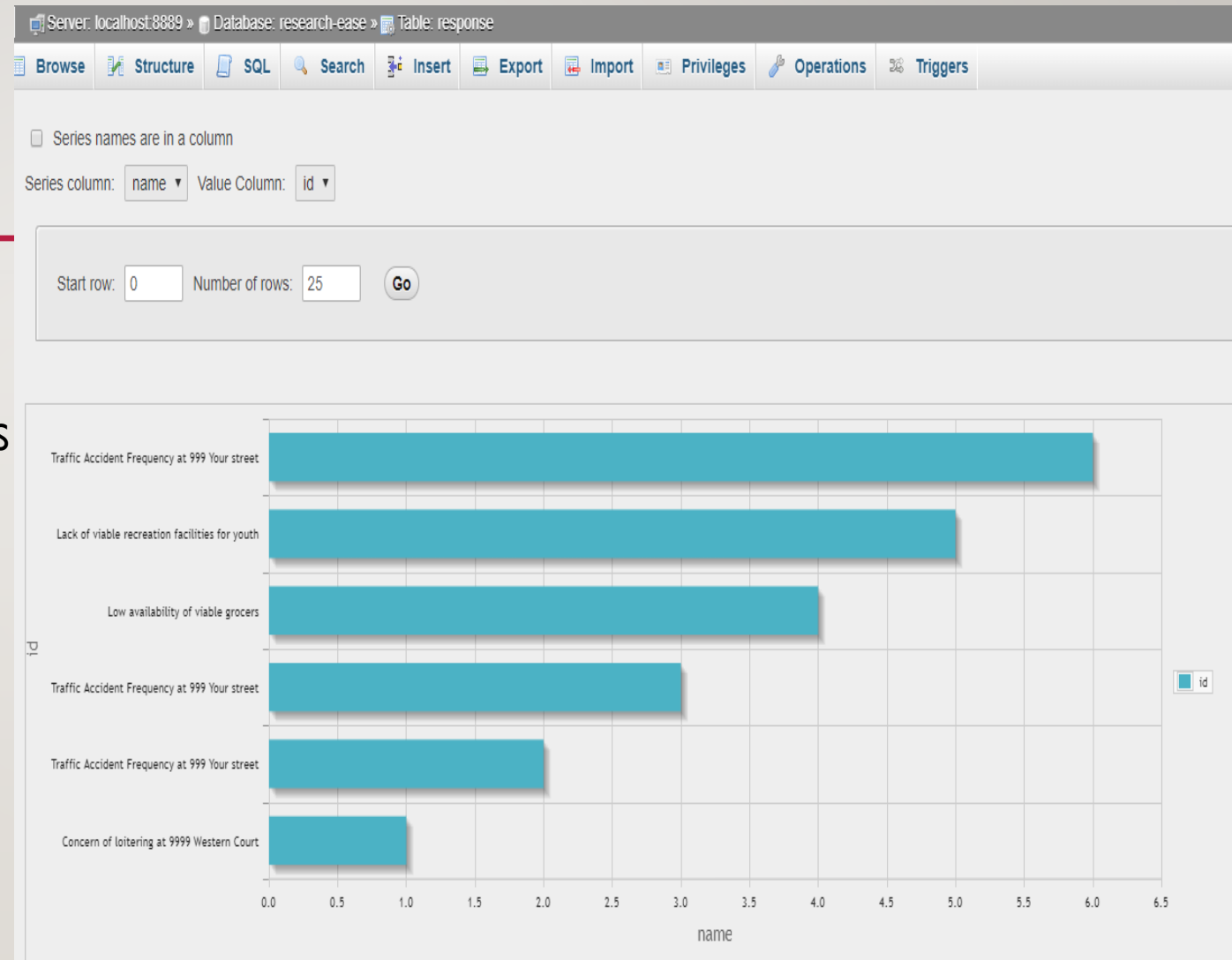
- [Concern of loitering at 9999 Western Court](#)
- [Traffic Accident Frequency at 999 Your street](#)
- [Traffic Accident Frequency at 999 Your street](#)
- [Low availability of viable grocers](#)
- [Lack of viable recreation facilities for youth](#)
- [Traffic Accident Frequency at 999 Your street](#)

[Add Responses](#)

MYSQL

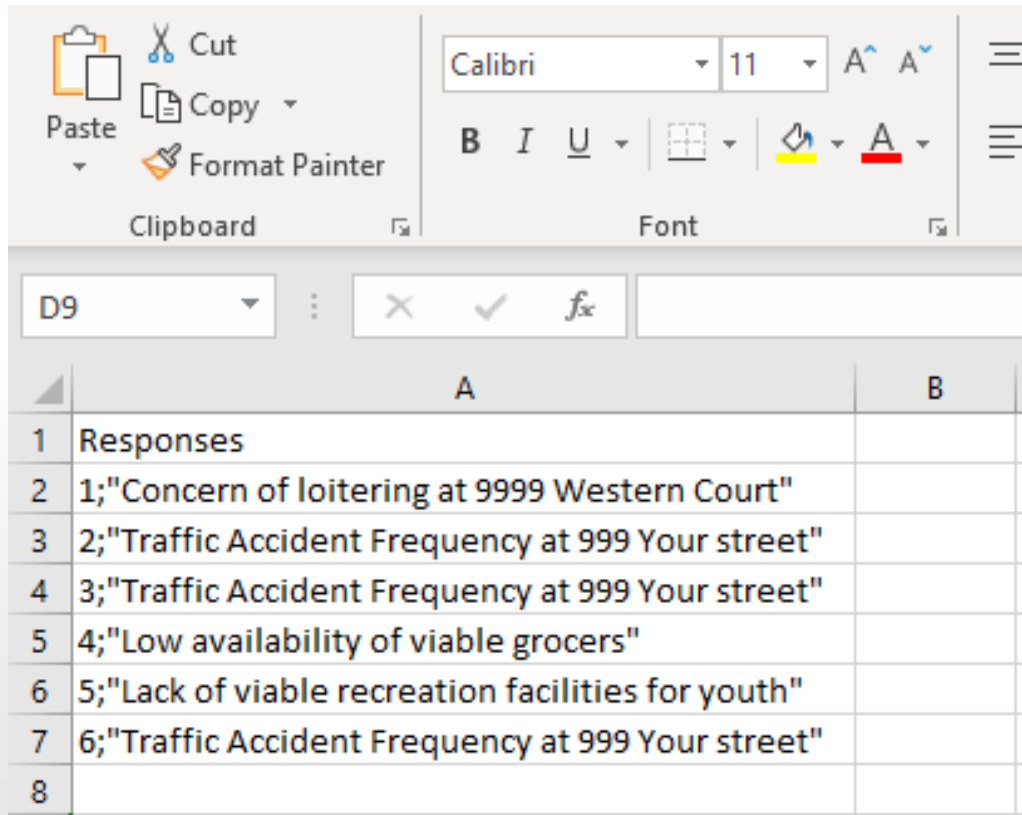
HAVING THIS AVAILABLE IN MYSQL:

- ALLOWS THE RESEARCHER TO GRAPH AND PRESENT PRELIMINARY FINDINGS MORE QUICKLY



MYSQL

- MYSQL DATABASE CAN BE DOWNLOADED IN VARIOUS FORMATS, INCLUDING CSV
- WHERE ADDRESSES ARE CAPTURED, MAPPING CAN BE INCORPORATED IDENTIFY HOTSPOTS
- FURTHER ANALYSIS IS MORE IMMEDIATELY POSSIBLE



	A	B
1	Responses	
2	1;"Concern of loitering at 9999 Western Court"	
3	2;"Traffic Accident Frequency at 999 Your street"	
4	3;"Traffic Accident Frequency at 999 Your street"	
5	4;"Low availability of viable grocers"	
6	5;"Lack of viable recreation facilities for youth"	
7	6;"Traffic Accident Frequency at 999 Your street"	
8		

Research Ease

A woman with dark curly hair, wearing a red and white plaid shirt over a dark top and blue jeans, stands in the center of a meeting room, smiling and gesturing towards a whiteboard. She is addressing a group of four people: a woman on the left, a man in the foreground with his back to the camera, a woman in a striped shirt to the right, and a man in a light blue shirt sitting at a desk on the far right. The whiteboard is covered in hand-drawn diagrams and notes. It includes a 'Digital' section with a bar chart, a 'Marketing' section with a lightbulb icon and a bar chart, and a 'Process' section with a flowchart. Other notes include 'Ideas from all strengths of product', 'Testing', 'Will it work?', and 'Approval!!'. The room has large windows with red frames and a stone wall.

A USER-EXPERIENCE PROGRAM FOR
SIMPLIFIED, EFFECTIVE RESEARCH ANALYSIS