**Questions for Requirements Gathering**

*Dashboard:*

* + Is this where users will be doing most of the interaction with the application
    - Is this the main interface for the program that shows the risk assessments? Or is it just a display that shows generalized stats (like a homepage with basic information)?
  + Should users be able to enter their postcode on the dashboard to search? Essentially, what data can the user enter (is it specific addresses or just postcodes, can we input weather conditions and time of day?)

*Who are the users?*

* + Who are the primary users of the application (e.g., traffic engineers, insurance professionals, or the general public)?
  + What specific insights do users need? For example, accident hotspots, risk factors.
  + And what are they using the tool for? What do they want to see from this? Is it used to figure out insurance, or is it for users to arrange safe travel routes?
  + US Data?
  + Are there specific design preferences or accessibility requirements?

*What is a risk assessment?*

* + What output is the user looking for – high, medium low risk or travel/do not travel?
  + What input will determine the outcome of the risk assessment?

***Data general questions:***

* + “freely available datasets” - are these opensource? Is it for us to figure out which data APIs to use? E.g. do we need to figure out which API to use for travel accidents?
  + Are there legal or privacy considerations when displaying accident data.
    - Are there any legal requirements that need to be met? - in terms of testing
  + What is meant by geospatial data? Soil conditions?

*Functional requirements:*

* What features should the application include? (e.g., interactive maps, visualizations, predictive models)
* Should users be able to filter data by location, date, severity, or other criteria?

*Performance and Scalability:*

* How many concurrent users should the application support?
* What response time is acceptable for data queries and visualizations?
* What features are nice to have-

*What features are nice to have:*

* E.g: postcode search, output (risk assessment)

*Deployment requirements:*

* What are the specific deployment deliverables for this project?

*Front end question:*

* What are the most critical features that need to be implemented in the frontend?
* Are there any specific performance benchmarks that the frontend should meet?
* Do you have any specific requirements for the user interface? Any wireframes, mockups, or preferred design guidelines?
* Are there any main actions and navigations paths that are a must in terms of how the user flow is structured?
* What information should be displayed in the risk assessment reports and prediction dashboard? (this may potentially be covered in previous answers)
* Are there any design systems or CSS frameworks that are preferred? What about color schemes, fonts and branding guidelines that need to be followed?
* What are the testing requirements for the frontend? Are there specific test cases or scenarios that need to be covered?
* How should user input be validated, and are there specific error messages to display?