Subjects:

Here is a list of five software engineering subjects.

1. City visualiser to map environmental patterns
2. Household Emissions – Using software to present carbon reduction advice
3. Misinformation: Making a misinformation detection program
4. Misinformation: Combatting misinformation via making a software platform
5. Survery percentage for public sector satisfcation; how to improve it.

Give me a very brief, short list of potential questions to ask for each subject.

* Mentor Questions:

**City Visualizer: Mapping Environmental Patterns**

1. How can geospatial data be effectively integrated into the city visualizer software?
2. What visualization techniques can best represent real-time environmental data?
3. How might the software handle large datasets while maintaining performance and responsiveness?

**Household Emissions: Carbon Reduction Advice**

1. What data sources could the software use to accurately calculate household carbon emissions?
2. How can the software tailor carbon reduction recommendations based on individual household characteristics?
3. What user-friendly interface features would encourage widespread adoption of the software?

**Misinformation Detection Program**

1. What machine learning algorithms or techniques are most effective in identifying potential instances of misinformation?
2. How could the program distinguish between genuine differences of opinion and deliberate misinformation?
3. What strategies can be implemented to continually update the program's accuracy in detecting evolving forms of misinformation?

**Combatting Misinformation Software Platform**

1. How might the software platform engage users in collaborative fact-checking and information verification?
2. What user engagement features could be implemented to encourage the reporting and debunking of misinformation?
3. How could the platform integrate with social media networks to reach a wider audience and counteract the spread of misinformation?

**Public Sector Satisfaction Survey Improvement**

1. What methods could the software employ to ensure a representative sample of the population participates in the survey?
2. How might the software automate the analysis of survey responses to extract meaningful insights?
3. What features could the software offer to enhance survey accessibility and user experience, ultimately improving response rates?

Please note that these questions are meant to provide a starting point for each subject and are not exhaustive. Further exploration and research would be needed to fully develop solutions for each software engineering project.