

Roles:

Host/Interviewer: Evan, Ian

Note Takers: Ian, Nick, William, Arthur, Josh

1. Scientist/Client Names
Dr. Abdolmajid Erfani
2. Meeting Date and Time
4:00pm ET Tuesday 1/14/2025
3. Meeting location or media
Zoom: <https://michigantech.zoom.us/j/5656714755>
4. List of team members and interview roles
Host/Interviewer: Evan, Ian
Note Takers: Ian, Nick, William, Arthur, Josh
5. List of questions in expected order to be asked

Questions:

- **What is your vision for the project that you want us to be thinking about during this interview?**
- What is the purpose of the app
- **Who is your target audience**
- What is the data that we are going to collect/be sharing
- **How are we going to be able to access that data**
- Is there previous data that we should have access to?
- **Do you have a rough outline of how you want the app to look like**
- Can we get examples of what natural language input's the app will take
- **What questions should we asking the user**
- What fields/attributes are expected in the CSV output file?
- **What should we do to prepare for distribution of the product.**

Post-Interview Notes

- Overall app description:
 - Planning projects and identifying potential risks(Price changes, seasonal work issues, etc.)
 - The app will be used to help prevent delays and unexpected issues
 - The app will be linked to a database containing similar projects and issues they encountered.
 - Comparing how different variables affect the project and having downloadable data is the goal.
 - Flexible about how the app is designed.
- Database information:
 - Major Project DataBase: The past projects that were documented and what we will be using to show the risks.
 - Database has ~6000 documented issues/risks to check over. We will get the database shared with us since it's online privately
 - Database also contains many attributes pertaining to each project to use for relevance searching.
 - Link to scientific article that explains the database in greater detail:
<https://www.sciencedirect.com/science/article/pii/S0926580522001741?via%3Dihub>
- App technical requirements:
 - App needs to take in natural language and process it into a template.
 - We will be given Python code (with NLP?) on how the database works.
- How the app displays information:
 - We need the option to choose which “category” of project type to submit.
Types(bridge, building, etc), size/cost, location. Option for location to be flexible with user submission by giving a region or specific location
 - Cost impact and schedule impact are important results that should be shown to the user.

- Client mainly wants the final list of most frequent risks and the cost impacts of the results relating to their project.
- Audience and background information relevant to project:
 - The audience is state department of transportation
 - Publicly funded projects so the goal is to detect possible dangers so there are precautions taken.
 - Delivery methods for construction projects are one of the categories the app will sort by.
 - Design->bid->build - A company designs the plans of the project. -> A bidding occurs and the contractor with the lowest cost of building gets the project. -> The project is built.
 - Design->build - happens when the same company designs and builds the project.
 - Public Private Partnership PPP: non-government company that is investing/ signing a contract with the government where they get the benefit of the project for building the project, ex: a toll.
- App platform:
 - Working on multiple operating systems with a preferable focus on mobile devices. A website would also likely work
 - Scientist is fine with the project becoming a phone application or a website (Sounded like his preference was application).
 - The app should have the option to download a pdf version of the “feed” but the user should also be able to view it without needing to download anything.