

Project Aurora

2023 DFW IT Talent Champion Competition

Team Aurora - August 23, 2023

Team Aurora

Title

Recommendation System for Entertainment, Fitness and Training

Team Number

2

Team Name

Aurora

Team Members

Tom Zheng(Lead)

Eric Song

James Zheng

Advisor and Assistant Advisor

Bo Gu

Maria Zheng

Team Aurora - August 23, 2023

Problem Statement

In today's Information Age, there are countless websites and services offering recommendations on any imaginable topic. However, choosing a trustworthy source can be a stressful task, even for those who are technology-savvy. This can further widen the gap between privileged and underprivileged groups in society.

Introducing Project Aurora: a one-stop service that offers a universal user interface powered by OpenAI's LLM model to submit recommendation requests based on natural language. With Aurora, anyone can make requests, regardless of their technical background.

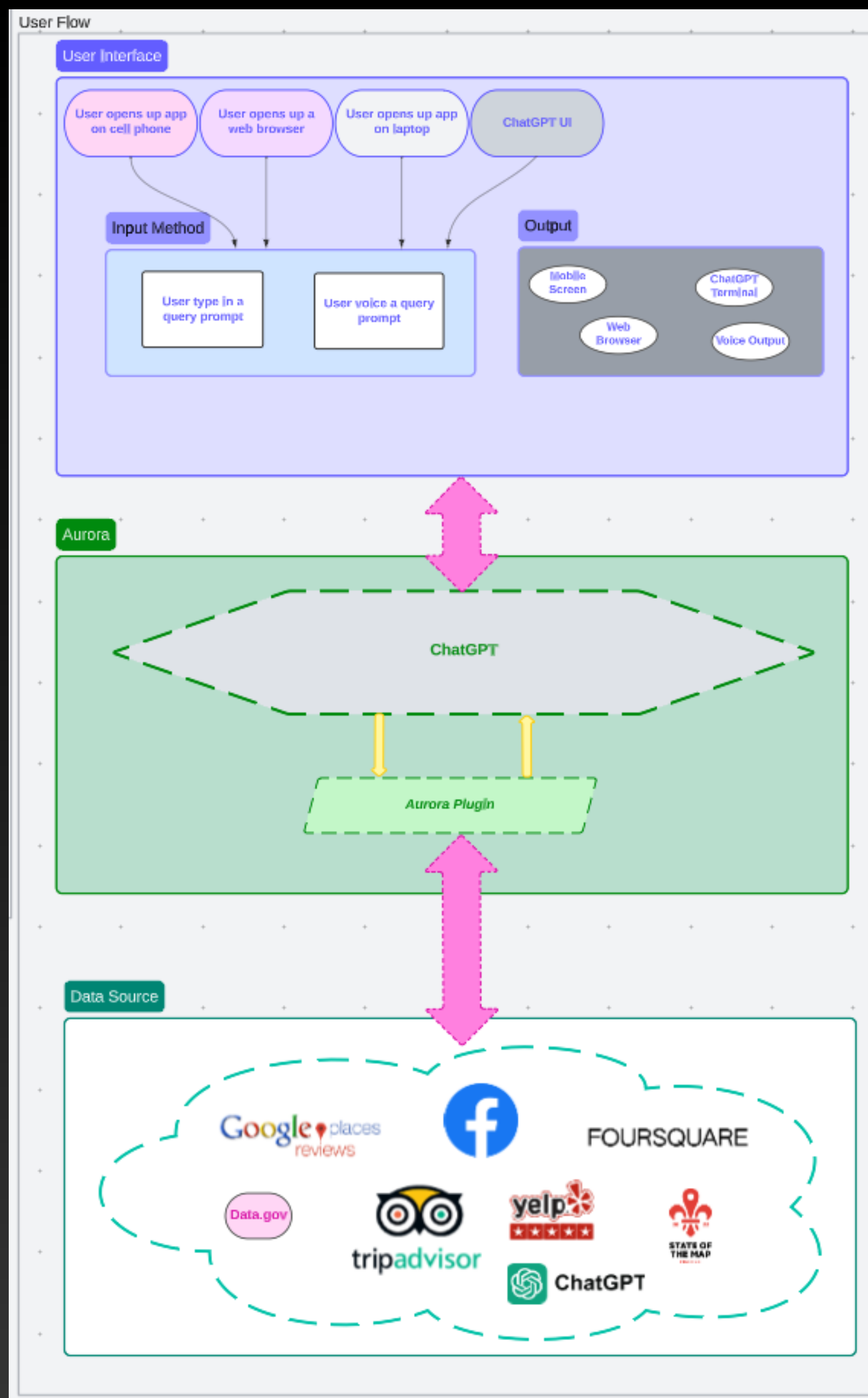
Team Aurora - August 23, 2023

Product Strategy and Vision

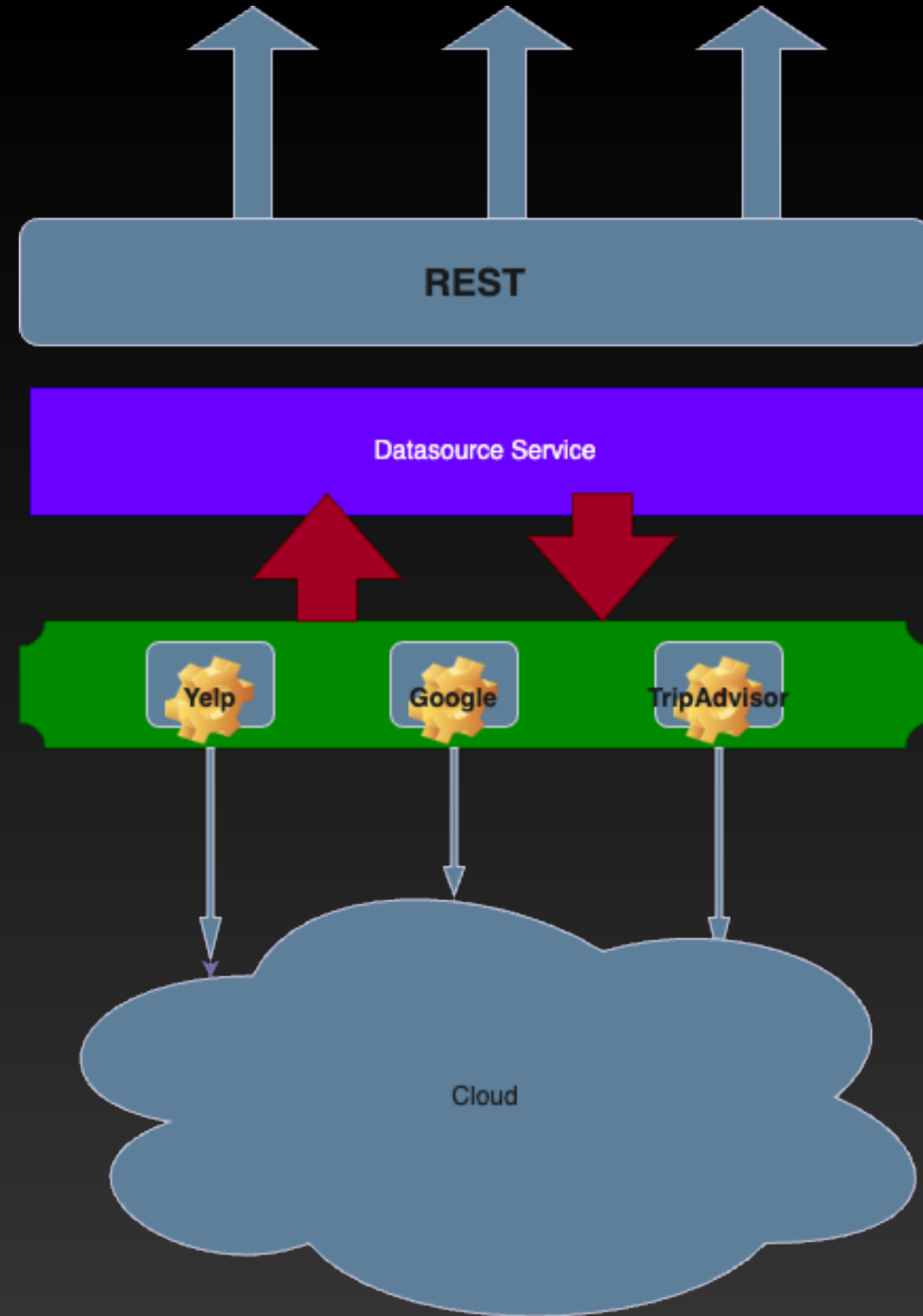
Project Aurora aims to:

- Serve as a single application for all recommendation requests.
- Provide a universal user interface that is accessible on any internet-enabled device.
- Be available to anyone who can formulate a basic question in their preferred natural language.

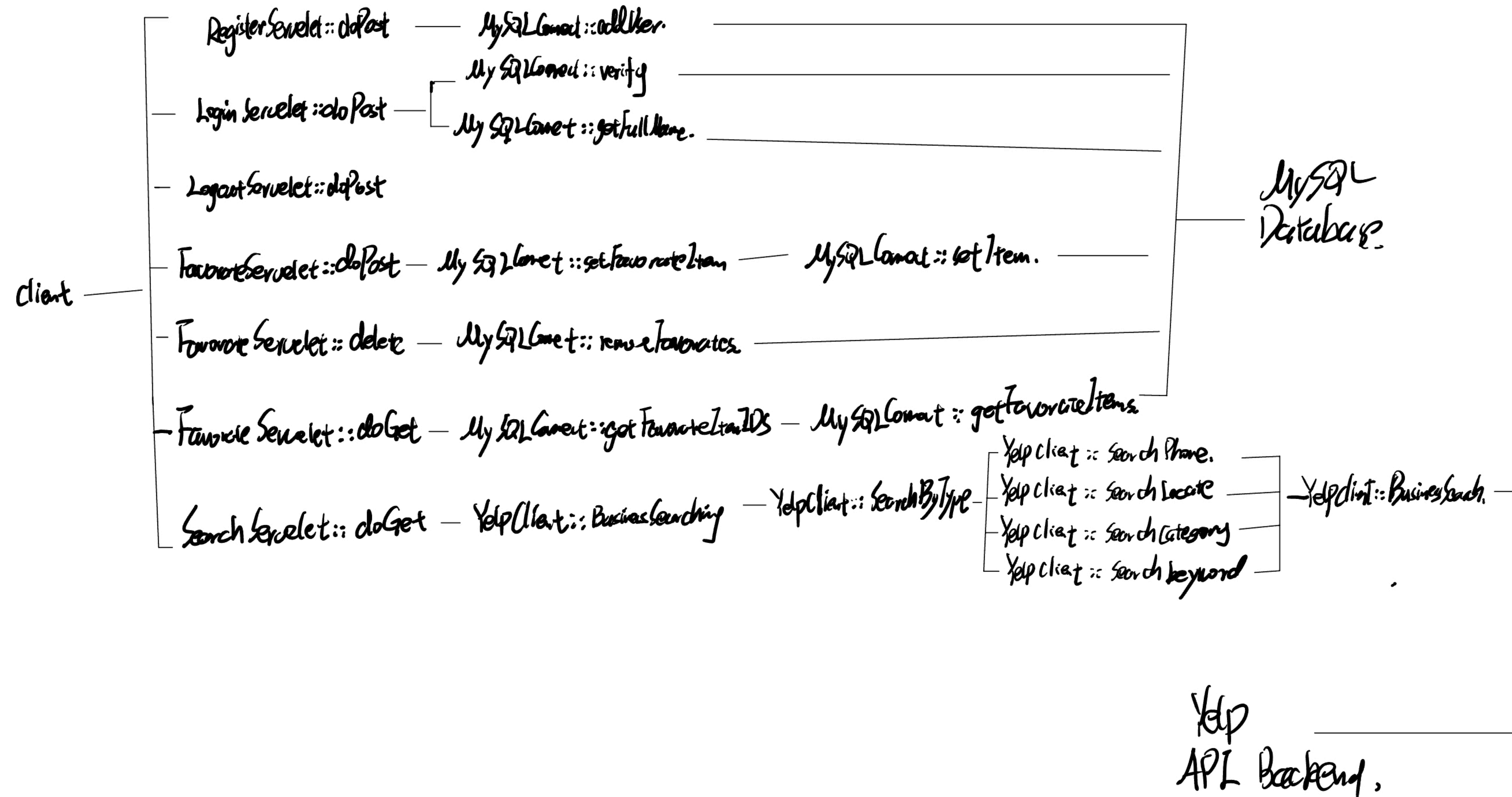
Team Aurora - August 23, 2023



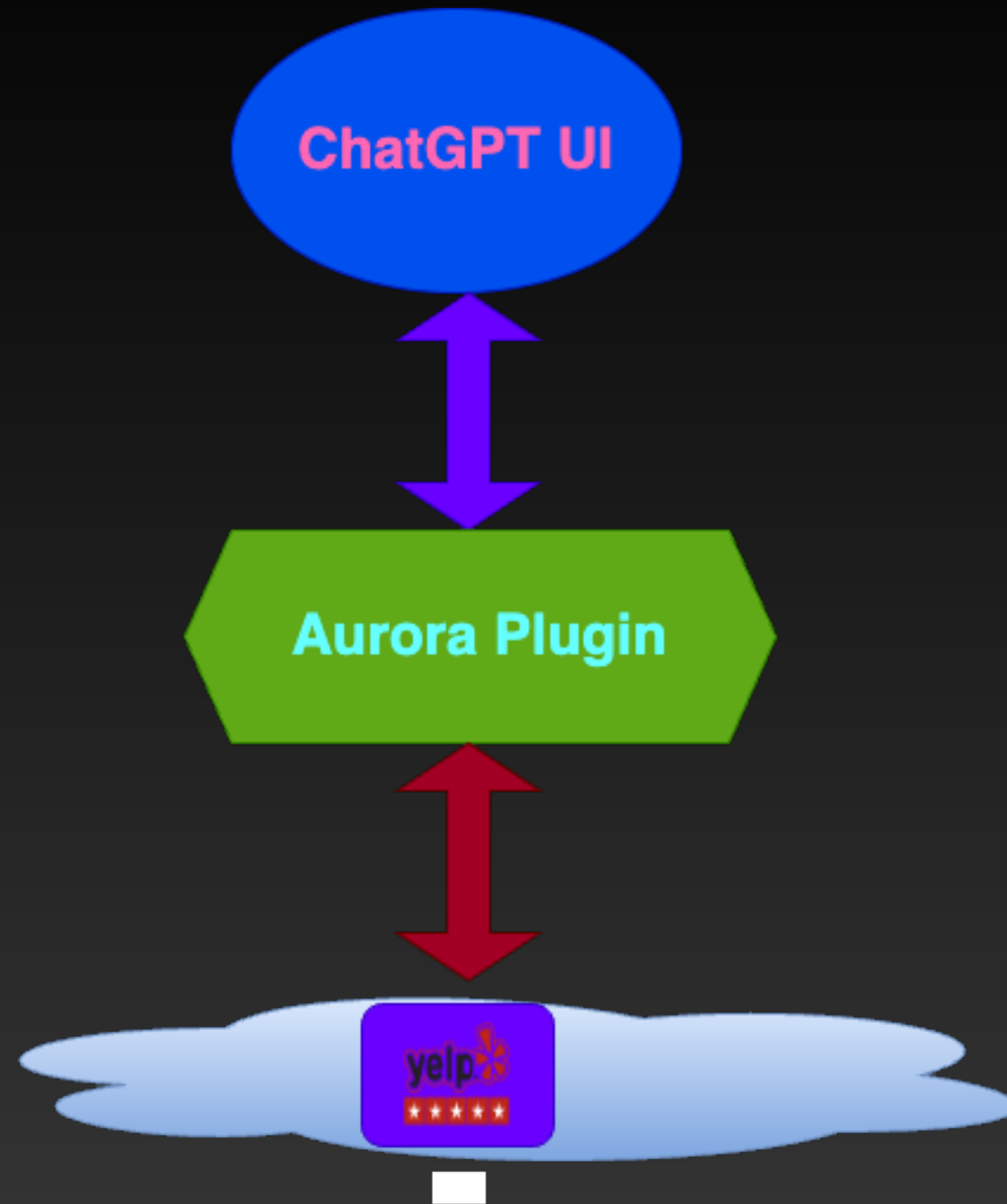
Team Aurora - August 23, 2023



Team Aurora - August 23, 2023



Demo



Team Aurora - August 23, 2023

Conclusion

The project initially had an ambitious goal, but due to limited resources, the scope had to be scaled down. Despite the challenges, the team enjoyed working on the project and gained knowledge about ChatGPT.

Future plans for enhancement/development include

- Expanding data source providers.
- Developing a more effective ranking engine by training the algorithm with machine learning.
- Implementing user-based recommendation engine at the individual level where possible commercialization solutions could be explored.
- Setting up the Aurora service in the cloud to anticipate scalability needs if the user base grows.
- Designing a more secure front-end and back-end, particularly if persistent data needs arise.

Team Aurora - August 23, 2023

Acknowledgments

Thanks to DFWCIA for the opportunity and to all the experts who provided educational presentations throughout the competition!

Team Aurora - August 23, 2023

Q&A

Team Aurora - August 23, 2023