Ski Bot

Kaicheng Jia
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Goals

Create a chatbot who can…

- Recommend ski resorts
- Provide weather and operating information

Already open?

Closed date?

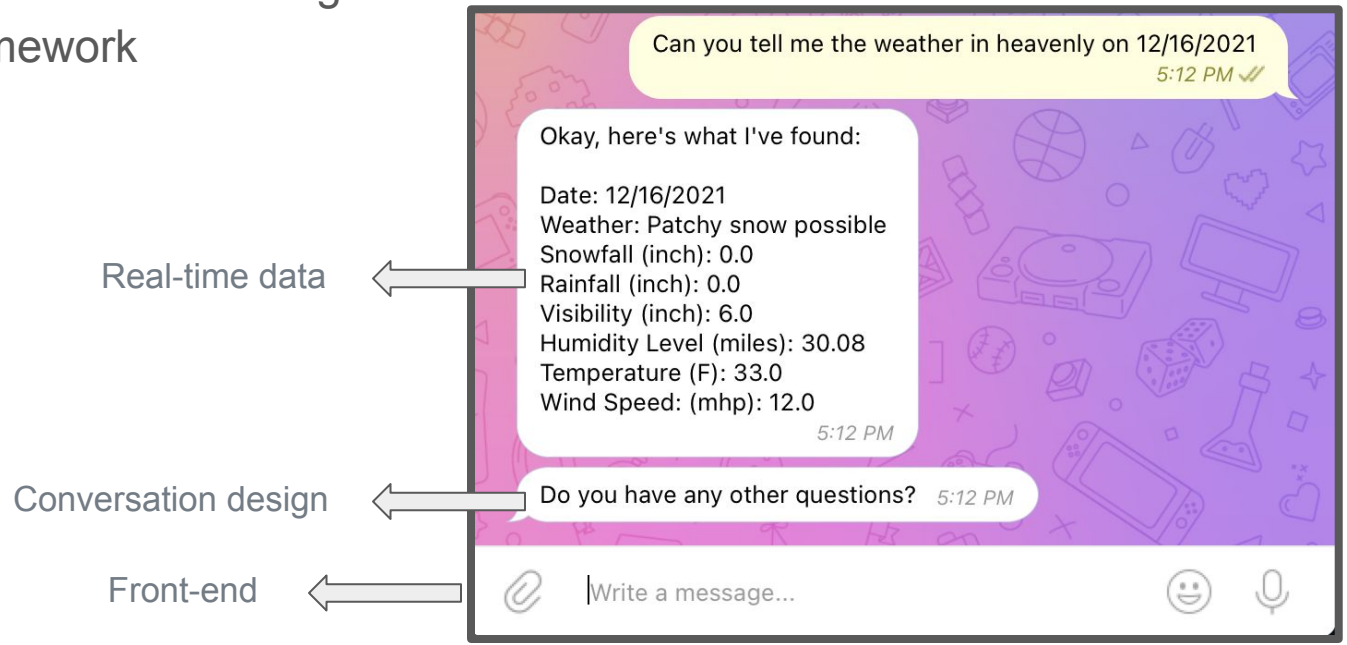
Ticket prices?

Snowfall?

……

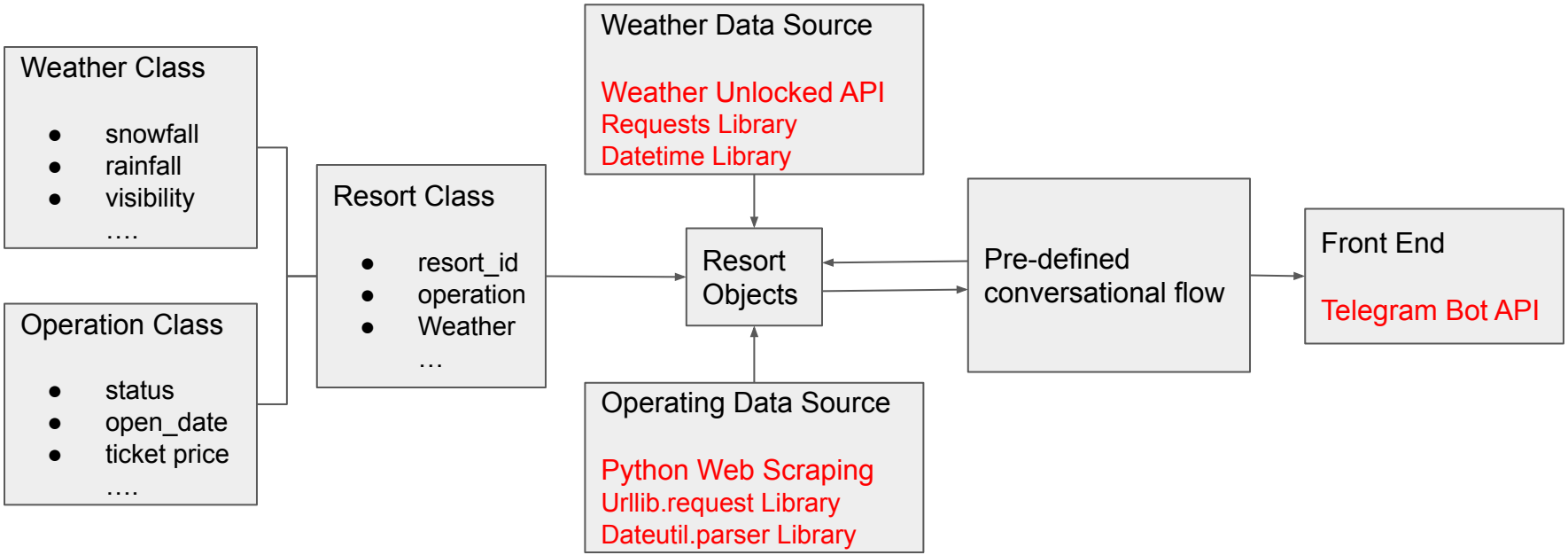
Problem Decomposition

1. Real-time data collection and storage
2. Flow-based conversation design
3. Front-end framework



Tools & Techniques

Data collection and storage | Conversation design | Front-end framework



Future Extension

- **Data Caching:** Query each time **vs** Query at bootstrap + periodic update
- **Data Storage:** Database **vs** In-memory
- **Conversation Design:** Pre-defined **vs** NLP
- **Testing:** Manual **vs** Unittest

References

- Github link: https://github.com/Kaicheng1995/SkiBot
- Weather Unlocked API: https://developer.weatherunlocked.com/documentation/skiresort
- Telegram Bot API: https://core.telegram.org/bots/api
- Url for web scraping: https://www.skiresort.info/
- Datetime Library: https://docs.python.org/3/library/datetime.html
- Tutorial for Python web scraping: https://realpython.com/python-web-scraping-practical-introduction/
- Tutorial for Python API: https://www.dataquest.io/blog/python-api-tutorial/