

natureQuest

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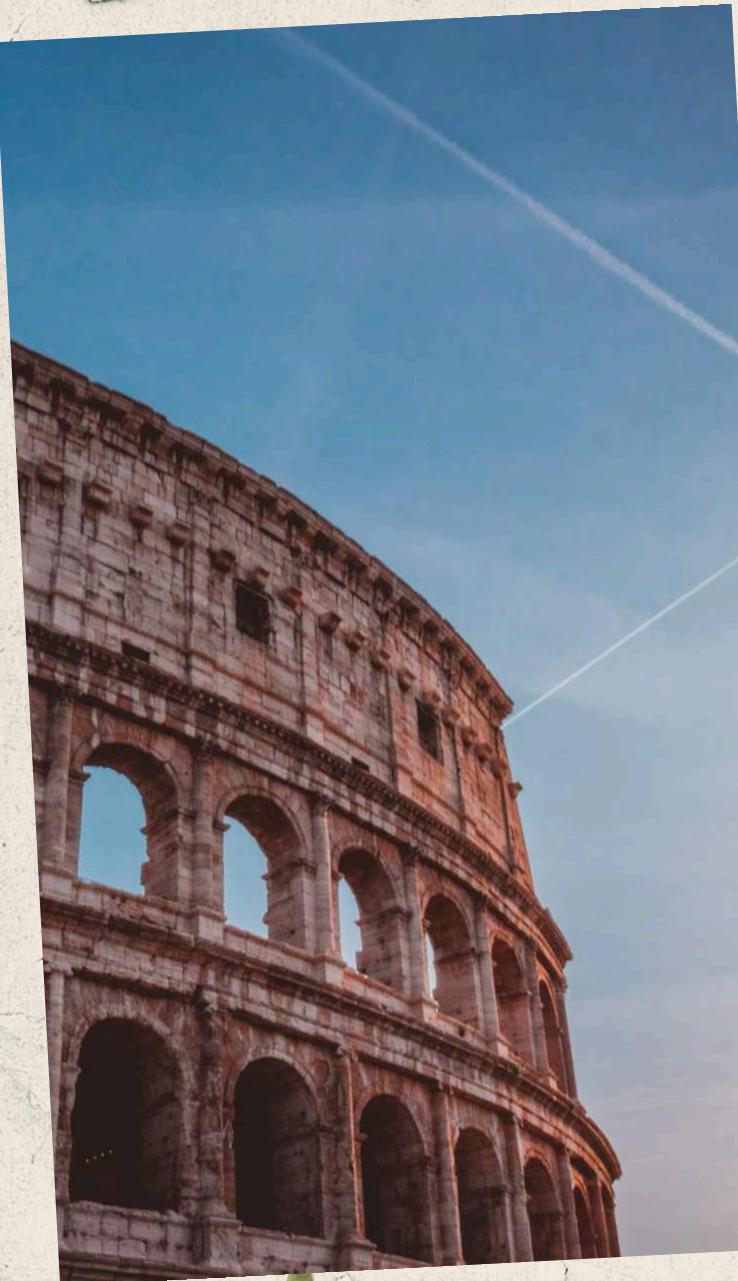


Introduction

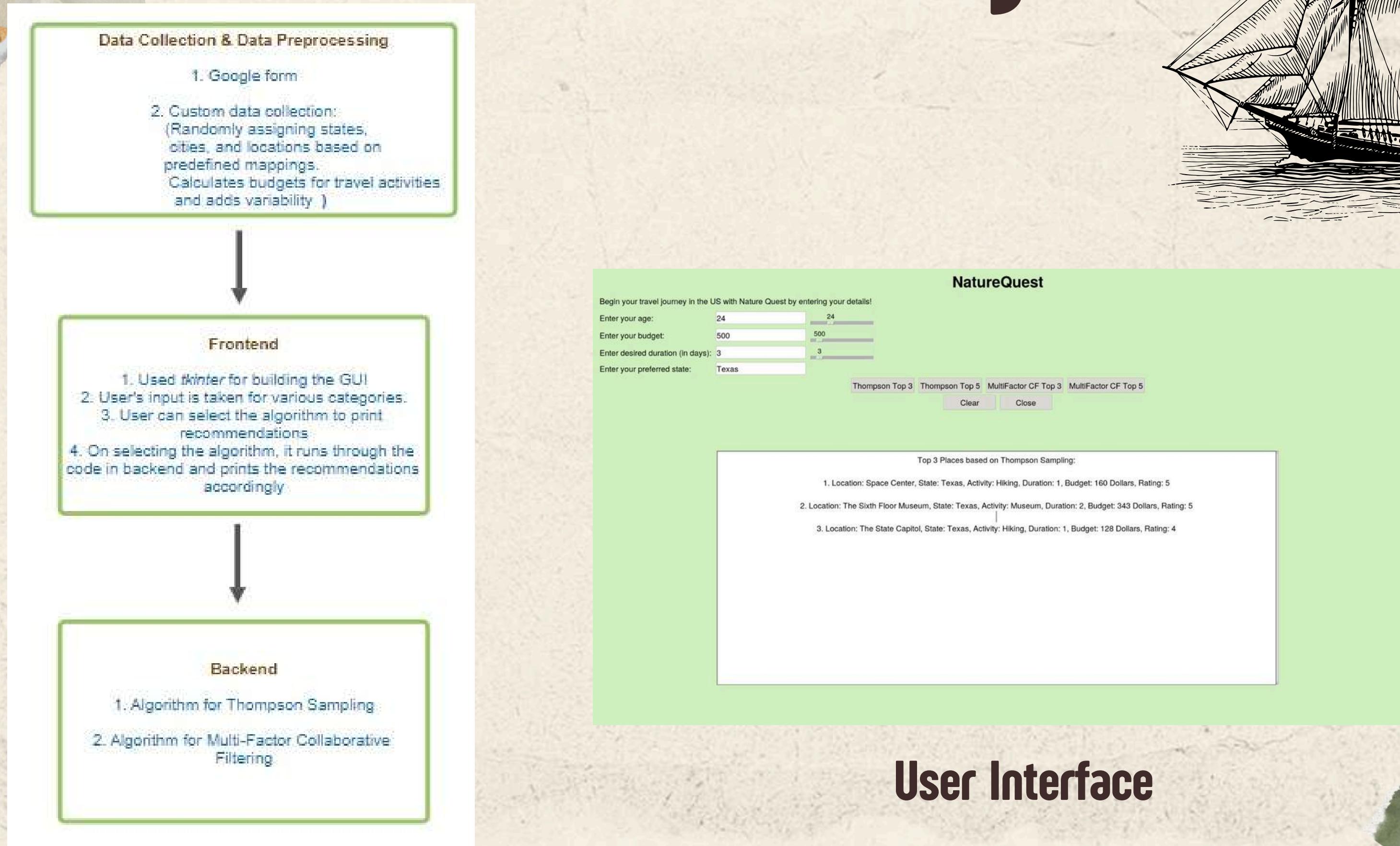
What is NatureQuest?
Why?

Motivation

- Simplifying travel planning
- Personalization
- Seamless experience

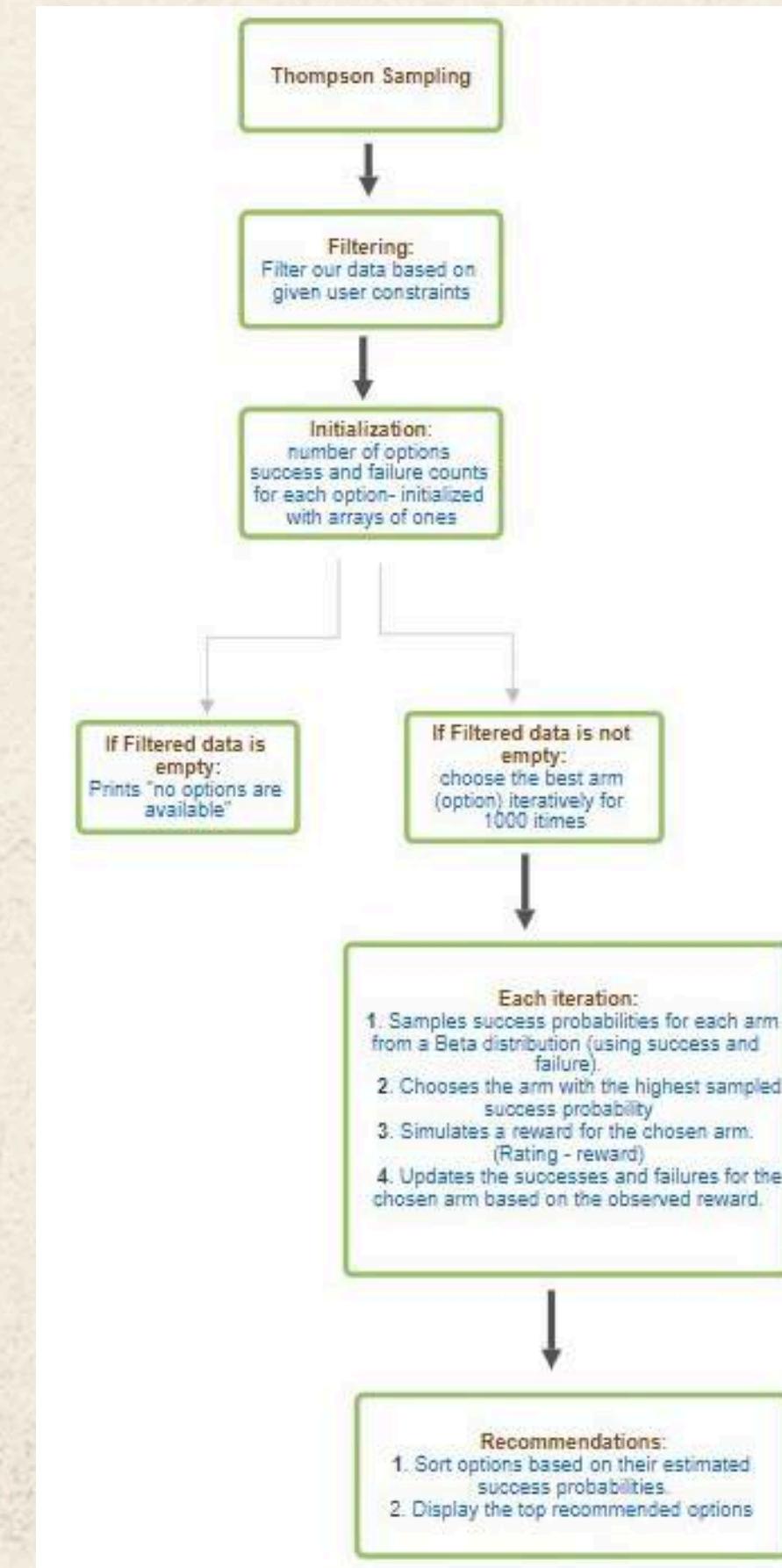


Work flow of Project

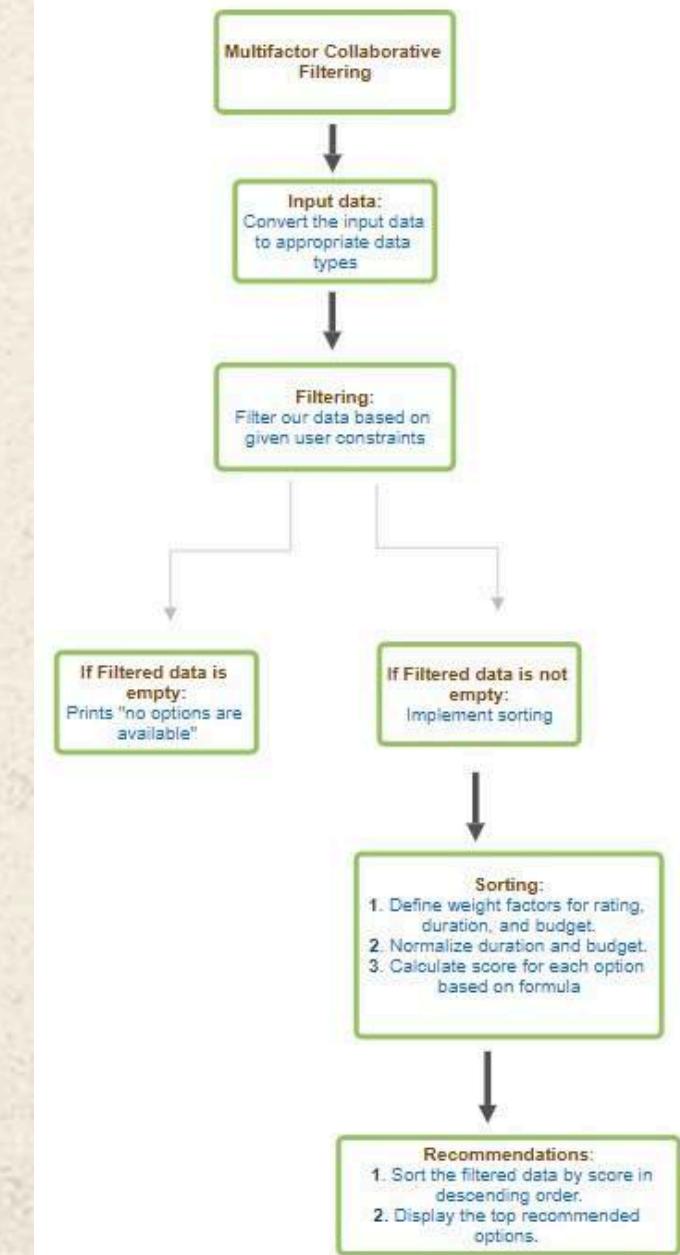


Work flow of Algorithms

Thompson Sampling



MultiFactor CF model



Evaluation

Evaluation Metrics

- **NDCG (Normalized Discounted Cumulative Gain)**
- **MAP (Mean Average Precision)**

Model

Higher the MAP, better the model

Closer the value of NDCG is to 1, better the model

Thompson Sampling MAP: 0.4777777777777777

MultiFactor CF MAP: 0.3333333333333333

Thompson Sampling NDCG: 0.514337179495

MultiFactor CF NDCG: 0.195190024996

Challenges

Dataset

- No authentic datasets available.
- Data Collection through user surveys was time consuming.

Model

- Impacted model creation
- Evaluation difficulties

Future Work



01. Enhanced user experience

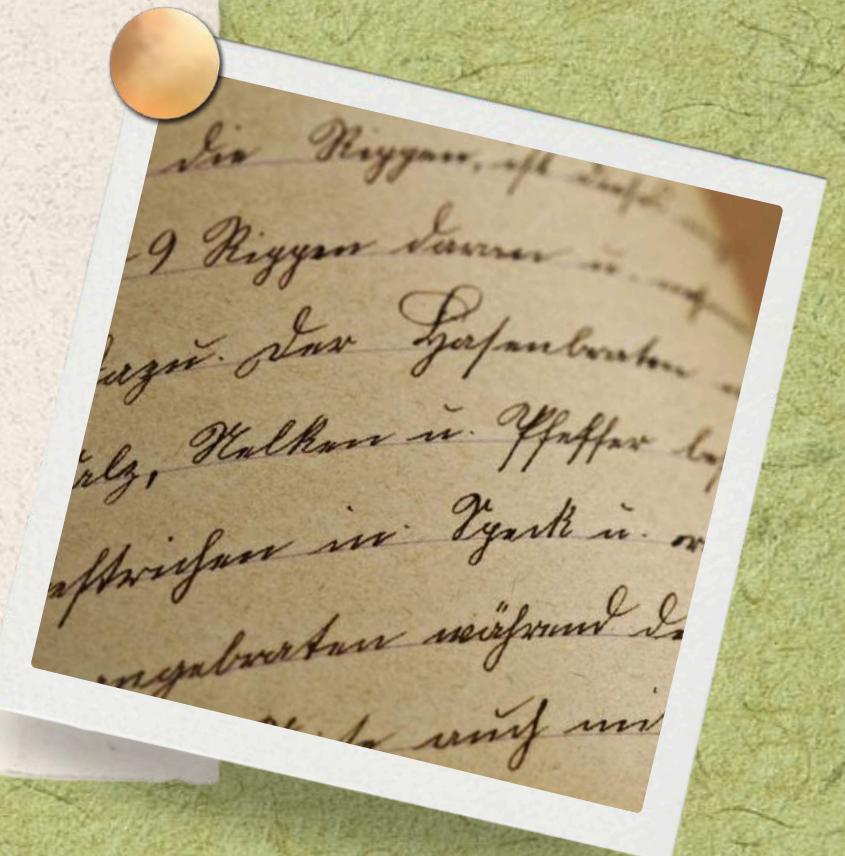
By integrating web scraping to fetch direct links and incorporating destination images, the recommendation system will offer users a more immersive and visually engaging experience, enhancing their overall satisfaction.

02. Improved usability

The refined GUI with intuitive design and interactive features will enhance the usability of the recommendation system, leading to greater user satisfaction and engagement.

Conclusion + takeaway

NatureQuest has successfully shifted the paradigm from guesswork to precision, offering travelers a more fulfilling way to plan their adventures.



**Thank
you!**

