The University of Texas at Austin
School of Information

Web Interface Integrating Jeopardy Database

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About the Project

Our project's aim was to develop a web interface that allows users to search and view Jeopardy questions from the popular American game show, Jeopardy!.

For the scope of our project, we focused on answering three questions:

- Which Jeopardy questions are asked during a final round?
- Which Jeopardy questions are answered correctly by Ken Jennings?
- Which Jeopardy questions are answered correctly by Brad Rutter?

NOTE: Ken Jennings is the contestant with the longest winning streak and Brad Rutter is the contestant with the highest earnings.

Project Members

Our project group consists of three members who played a major role in the following areas:

- **Lindsay Woodward**: Metadata Schema Design
- **Anuparna Banerjee**: Programming/Development
- **Kerry Sim**: UI/UX Design

About the Data

Data source: Kaggle; data scraped from J Archive
https://github.com/freddyalfonsoboulton/JeopardyData

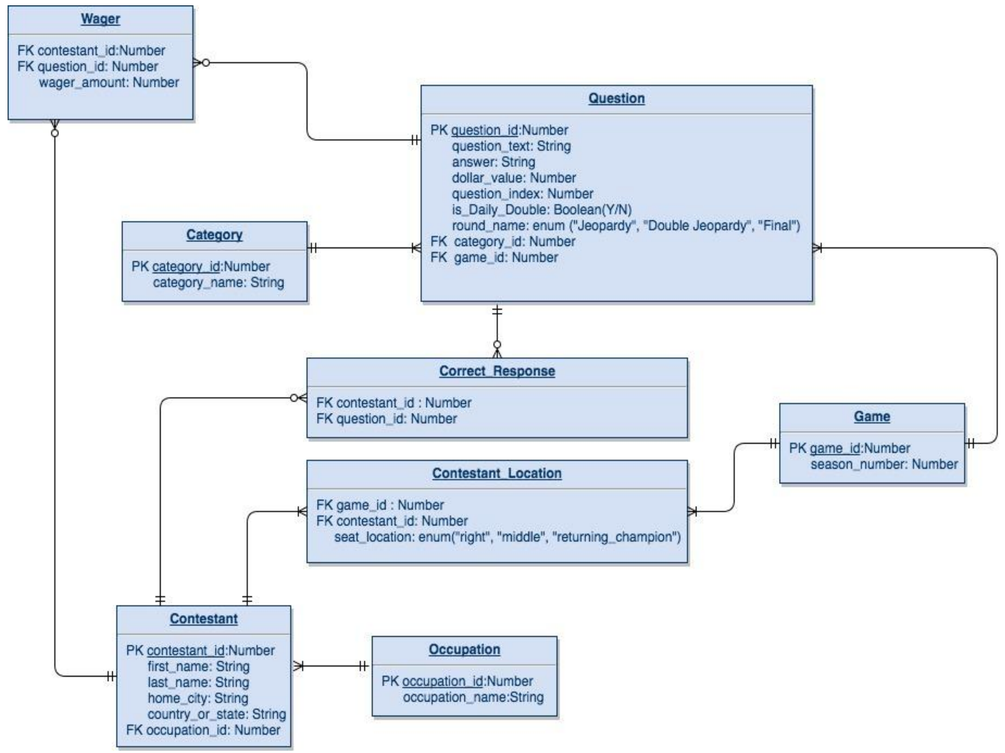
FIVE csv files containing Jeopardy-related data

- trend
- questions
- contestants
- final_results
- locations

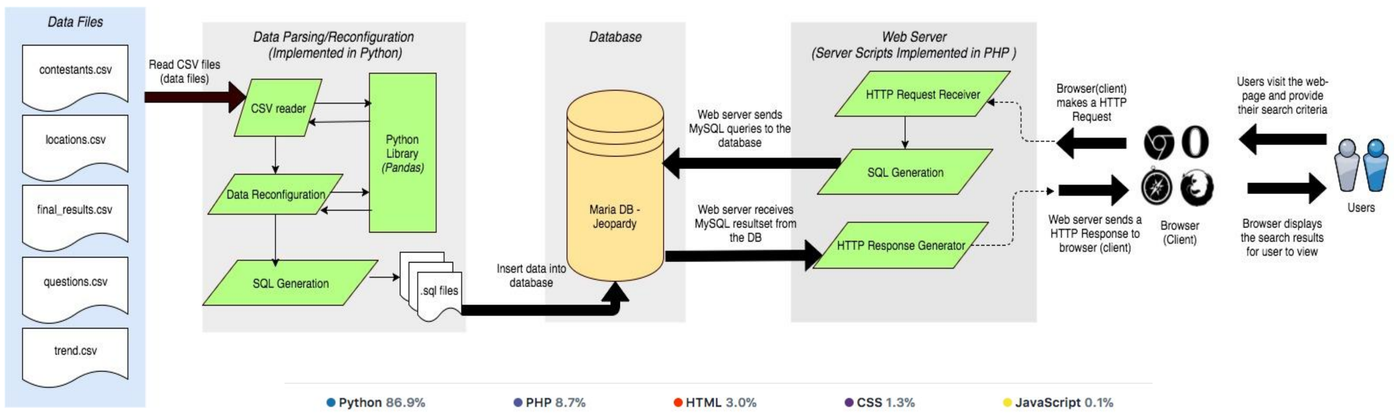
Fast facts about our dataset:

- No. of contestants: 7,855
- No. of questions: 225,347
- No. of question categories: 32,061
- No. of seasons: 18
- No. of games: ~ 230 games per season

Metadata Schema Design: Entity-Relationship Diagram

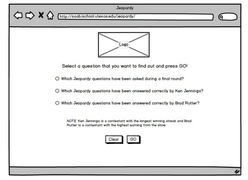


System Architecture

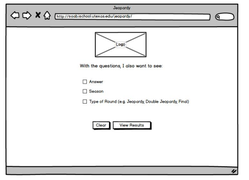


UI Design

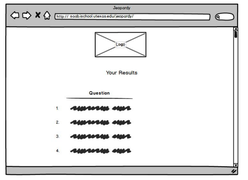
Main Search Page:



Results Display Options Page:

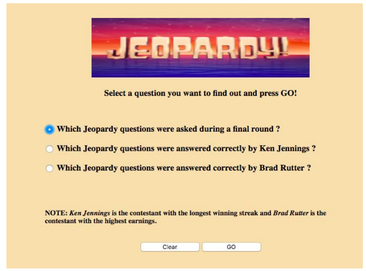


Results Page:



Web Interface

Main Search Page:



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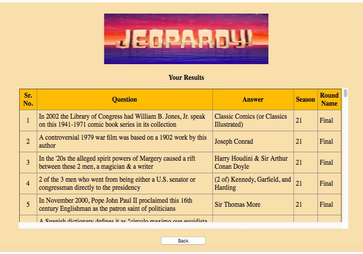

Conclusion

Our project has currently implemented a web interface that answers one of the three questions we had originally proposed:

- Which Jeopardy questions are asked during a final round?

If given more time, we aim to further develop our web interface by answering all three questions as well as improve our user interface design for increased usability.