Ski-Bums

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Outline

The main goal of this project was to design a web application that allows users to search a database of ski resorts and view a list of suggested destinations based off of their preference.
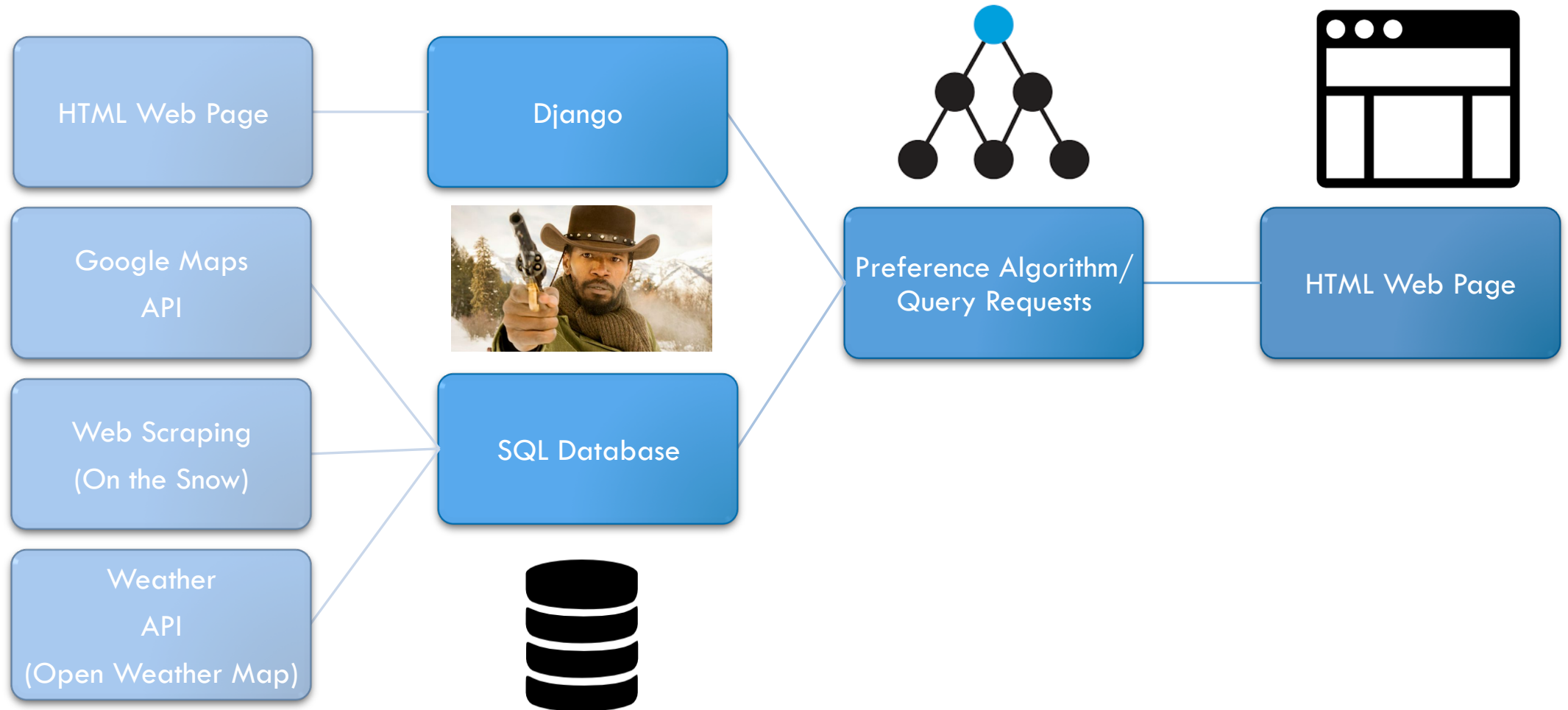
Many current online travel applications have a broad range of destinations but we wanted ours to be more specialized and give people who wanted an in depth skiing experience the information they needed.

Side goals: Learn some cool coding stuff

Interesting Aspects

- **Web Scraping**

- **Weather API**

- **Google Maps API**

- **Preference Algorithm**

Schematic

Demo Time!

Challenges & Surprises

Data Collection

- Our guy didn't deliver
- We had to scrape through a website (onthesnow.com) to build our own dataset
- Had to manually input some information

Algorithm Structuring

- There are lot of different approaches and we had a lot of different ideas on what would work
- Had a difficult time giving the correct weights based off the users inputs
- Ultimately we came up with a scoring system that we are still trying to improve to make more accurate

Output

- We wanted to output a detailed description of information to the user but did not want to overload the user with information
- We decided to just return at most 3 with a vast amount of information on these given resorts
- If the user doesn't like his options he can always go back and do the search again.