To: Judson Murray

From: Keenan Allcott

Date: 2022-05-19

Subject: Database Programming Proposal Demo

I want to make an app that displays what fruit are in season and what country they come from. This graphic serve as an inspiration, however my own artistic ability may vary.

Timeline

Description automatically generated with medium confidence

Database Contains:

* Fruit
* Month
* Country

Relationships:

* Fruits are in season across many Months
* Months have many fruits in season.
* Fruits may belong to one country. (Country of origin, or largest producer)
* A country belongs to many fruits.

Sources of Data:

What fruit are in season

<https://www.berries.com/blog/what-fruits-are-in-season>

Geography of Fruit:

* <https://www.youtube.com/watch?v=hu6Y-gTZtzc&t=9s>
* <https://www.youtube.com/watch?v=MOG1sK2_SaI>

Geographic Data

|  |  |  |  |
| --- | --- | --- | --- |
| Fruit | Origin | Largest Producer | Season |
| Apples | China, Kazakhstan, Kyrgyzstan | China | Aug, Sept, Oct |
| Apricots | Armenia, India, China | Uzbekistan | May, Jun, Jul |
| Avocados | Mexico | Mexico | All |
| Bananas | Indomalaya | India | All |
| Plantains | Indomalaya | India | All |
| Blueberries | Canada | US | Jun, Jul |
| Cantaloupes | Persia, Afghanistan, Armenia | China | Jun, Jul, Aug |
| Cherries | Central Europe | Turkey | Apr, May, Jun, Jul |
| Clementines | Algeria | China | Dec, Jan, Feb, oct, Nov |
| Coconut | Sri Lanka, Maldives, Philippines, Indonesia | Indonesia | All |
| Cranberries | Canada, US | US | Sept, oct, Nov |
| Dates | Iraq | Egypt | Sept, oct, Nov, dec |
| Fig | Iraq | Turkey | Jun, Jul, Aug, Sept |
| Grapefruit | Barbados | China | Nov, Dec, Jan, Feb, Mar |
| Grapes | Middle East | China | Aug, Sept, Oct |
| Guavas | Mexico, Central South America | India | Oct, Nov, Dec |
| Papayas | Mexico, Central South America | India | All |
| Honeydew | Algeria | China | Aug, Sept, Oct |
| Kiwis | China | China | All |
| Kumquat | Southeast Asia | India | Jan, Feb, Mar, Apr |
| Lemons | India | India | Dec, Jan, Feb, Mar, Nov |
| Limes | Southeast Asia | India | May, Jun, Jul, Aug, Sept |
| Mango | Southeast Asia | India | May, Jun, Jul, Aug, Sept |
| Olives | Italy | Spain | Oct, Nov, Dec, Jan |
| Passionfruit | Brazil, Paraguay, Argentina | Brazil | All |
| Peaches | China | China | May, Jun, Jul, Aug, Sept |
| Pear | China | China | Jul, Aug, Sept, Oct |
| Pineapples | Brazil, Paraguay | Costa Rica | Mar, Apr, May, Jun, Jul |
| Plums | Eastern Europe, Caucasus Mountains | China | May, Jun, Jul, Aug, Sept, Oct, |
| Pomegranates | Iran | Iran | Dec, Jan, Feb, Oct, Nov |
| Raspberries | Turkey | Russia | Jun, Jul, Aug, Sept, Oct, Nov |
| Strawberry | France | US | Mar, Apr, May, Jun, Jul, Aug, Sept, Oct, Nov |
| Tomatoes | Andes Mountains | China | May, Jun, Jul, Aug, Sept, Oct |
| Watermelon | Ethiopia | China | Jun, Jul, Aug |
| Tamarind | Tropical Africa | India | Jan, Feb, March |
| Aki | Tropical Africa | Jamaica | Jan, Feb, Mar, Jun, Jul, Aug |
| Squash | Meso-America | China | Dec, Jan, Feb, Jun, Jul, Aug |
| Pumpkins | Meso-America | China | Sept, Aug, Nov |
| Zucchini | Meso-America | China | May, Jun, Jul, Aug, Sept |
| Peppers | Meso-America | China | All |
| Dragon Fruit | Meso-America | Vietnam | Jan, Feb, Mar, Apr |
| Mandarin | China | China | Dec, Jan, Feb, Mar, Nov |