

Candle Database

Beta Prototype Design Document

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INFO 202 Section 3

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Database URL:

https://libr202.sjsu.edu/webdata_pro/student/7703/cgi-bin/webdata_pro.pl?_cgifunction=user&_layout=TheSpark

Username: alison.johnson@sjsu.edu

Password: shoes

Statement of Purpose

A candle is a shaped piece of wax surrounding a burnable wick, in a container or its natural molded shape. It is used to provide light, heat, or a scent, usually for decorative or celebratory purposes. Candles come in a large variety of shapes and sizes and are commonly used to create a particular ambience in a room or outdoor setting. Some people prefer flameless candles that are battery-operated because they do not burn out in limited hours and may prevent fire hazard. The global candle market size has been reported at 3.45 billion US dollars (Million Insights, Inc., 2020).

The target user of our database is any person who wants to purchase a candle online. While women are the typical users for candles, they are sought out by many individuals looking to elevate their living space, as well as to incorporate aromatherapy into their lifestyle. In addition, a user may want to buy multiple candles to put in different parts of their home or their workplace. According to the National Candle Association, men and women shop for candles as gifts (National Candle Association, 2020). Demand for candles for home use grew significantly during the COVID quarantine, especially in the scented market (Glassnow Blog, 2022). Our typical users may be trying to find a certain candle, replace an old candle with a new one, or buy one as a gift for someone else.

Our users need to be able to find candle types that fit their aesthetic style, scent preference, and lifestyle needs while staying within budget. Additional options to sort via product origin will appeal to individuals concerned with their carbon footprint or just enjoy supporting local businesses. Knowing what waxes and scents are in the candle will let the consumer avoid unpleasant situations dealing with allergies. Being able to search based on height will help

users make choices about where certain candles might fit in their space, while burn time, price and weight will let them compare value. Lastly, knowing the number of wicks a candle has can show how bright the candle is while burning. Having so many options available on the market can make finding the right candle a struggle. Our database will help facilitate the process of buying the perfect candle online.

Indexing Rules

Product Name

Field Name: Product Name

Definition: The product name according to the seller

Field Type: Comment

Required: Yes

Rule: Examine the website, packaging, labels, and/or candle to determine the product name as provided by the manufacturer. Enter the name exactly as it appears. Preference is given to how the name is presented online as this will make it easier for the customer to find said candle if they decide to purchase it. If the candle can not be found online, refer to physical labels. If front facing labels and bottom labels are different, copy the front facing label. If you cannot find a naming convention, assume the candle is not available for purchase online or cannot be found for purchase; therefore, do not enter the candle into the database.

Price Per Candle

Field Name: Price Per Candle

Type: List

List Values: < \$4.99, \$5-9.99, \$10-19.99, \$20-49.99, > \$50, unknown

Required: Yes

Definition: How much is the seller asking for 1 candle

Rule: Examine the website, packaging, labels, or product invoice from the supplier for price information as provided by the supplier for one candle in USD. If candles are sold as multiples, divide the given price by the number of candles. Choose the correct price range that the product belongs in. If the product does not have a price, choose *unknown*.

Candle Type

Field Name: Candle Type

Type: List

List Values: Pillar, Taper, Tea Light, Votive, Container, Flameless, Other

Required: Yes

Definition: The type of candle

Rule: Examine the website, packaging, labels, and/or candle to determine the type of the candle. If the primary type is not clearly stated, refer to the following written descriptions and visual chart to determine the type. Choose the most appropriate value from the list. Choose *votive* only if the candle is clearly marked so by the supplier. Choose *flameless* if the candle is not burnable, even if it matches the written description or picture of another type of candle. If the candle type does not match any of the written or visual options, choose *other*.

Descriptions:

Pillar: Pillar candles are usually cylindrical in shape, although they can be square, hexagonal, or in the form of an object. They are freestanding and sold without a candle holder. They are usually between 2 - 4 inches in diameter, with 3" being the most common measurement. Their height will vary, usually between 3-12 inches.

Taper: Taper candles are long, narrow candles that are smaller at the top than at the base. Taper candles cannot stand without a candle holder. The base usually has a diameter between $\frac{1}{2}$ " - $\frac{7}{8}$ ". They are usually between 6-12" tall, but can be longer, with 12" being the most common length.

Tea Light: Tea Light (also spelled tealight) candles are short, circular candles that usually come wrapped in a lightweight metal holder. The base usually has a diameter of approximately 1- $\frac{1}{2}$ " and the height is usually $\frac{1}{2}$ ".

Votive: Votive candles are small, cylindrical candles that resemble a pillar candle in shape but are not as wide or tall. A votive candle usually has a base of 1- $\frac{1}{2}$ " and a height of 2-3". They are most frequently sold without a container, but are sometimes sold in a container. Choose votive only if the candle is clearly marked so by the supplier.

Container: Container candles are candles that are poured into a container and sold with that container. Containers are usually made from ceramic, glass, metal, and sometimes plastic. The base of a container candle is most frequently approximately 3" in diameter, but other sizes are available.

Flameless: Flameless candles are candles that do not burn. They are usually made of plastic or wax and sold in a variety of shapes and sizes. Typically, they are battery-operated and can look like pillars, taper, tea lights, votives, and container candles. Flameless candles may be sold with a remote control to adjust lighting, set a timer schedule, or change the colors that they emit.

Pillar	Taper	Tea Light	Votive	Container	Flameless
					

Candle Is Unscented

Field Name: Candle is Unscented

Type: Checkbox

List Values: Yes/No

Required: No

Definition: Indicates whether a candle is unscented

Rule: Read the webpage, packaging, labels and/or candle, looking for the word “unscented” used to describe the candle. If this description is used, check the box. If the candle is not described as unscented, and the physical candle is available, smell the candle. If the candle is unscented, check the box; if not leave it unchecked. If there is no way to determine if the candle is unscented, leave the box unchecked.

Scents

Field Name: Scents

Type: List

List Values: Citrus, Floral, Fresh, Fruity, Herbal, Musk, Spicy, Woody, Food & Drink, Mixed, Other, Unscented, Unknown

Required: Yes

Definition: The smell of the candle

Rule: Examine the website, packaging, labels and/or candle to determine the scent of the candle. If no packaging is provided, sniff the candle to determine the scent. If the candle has two scent values from the list above, choose *mixed*. If the candle has no scent, choose *unscented*. If the scent of the candle is unable to be identified, list the scent under *unknown*.

Descriptions:

Citrus: includes any scent within the citrus family such as grapefruit, lemon, orange, lemongrass, verbena, or bergamot

Floral: includes flowers scents such as rose, jasmine, orchid, or lily

Fruity: includes fruit scent that is not citrus, such as blackberry, strawberry, mango, passion fruit, or apple

Herbal: includes scents such as lavender, sage, mint, lemon balm, or rosemary

Musk: includes deep, earthy scents such as tobacco, amber, or clove

Spicy: is any scent centered around spices, such as cinnamon, nutmeg, pepper, and cloves

Food & Drink: encompasses all scents not included in the previous groups; this includes scents such as vanilla or coffee

Woody: includes scents such as firewood, sandalwood, cedarwood, patchouli or words such as campfire, or fireplace

Color

Field Name: Candle color

Type: List

List Values: Red, Orange, Yellow, Green, Blue, Purple, Brown, Black, White, Gray, Other, Unknown

Required: Yes

Definition: The color of the wax of the candle

Rule: Look at the candle wax to determine the color. Choose a color option that most closely matches a color from the list. Label all shades of a color under dominant color (e.g., violet would be *purple*; pink would be *red*). List the candle as *other* if the candle is multi-colored or clear with no color. If the color of the candle is unknown, list the color under *unknown*.

Wax Type

Field Name: Wax Type

Type: List

List Values: Soy, Paraffin, Beeswax, Coconut, Lanolin, Palm, Mixed, Other, Unknown, None

Required: Yes

Definition: What wax the candle is made from

Rule: Examine the website, packaging, labels, product invoice supplied by the supplier for waxes used in the candle. If the candle is flameless, choose *none*. If the wax type is not specified by the supplier, choose *unknown*. If the wax type is different from the types listed, choose *other*. If multiple types of wax are used, or percentages are noted (besides 100%), choose *mixed*. Extra words such as “organic,” “pure,” or “natural” are not regulated and are used for marketing purposes; assume that these words do not actually describe anything important about the candle's wax type and ignore them.

Burn Time

Field Name: Burn Time

Type: List

List Values: Up to 5 hours, 6-25 hours, 26-50 hours, 51-75 hours, 76-100 hours, 100+ hours, none, Unknown

Required: Yes

Definition: the approximate amount of time the candle will burn

Rule: Examine the website, packaging, labels, and/or candle to determine the burn time as provided by the manufacturer. If no burn time is provided on the packaging, labels, or candle, consult online resources such as the product specifications on the manufacturer's website. If the burn time is within a given

range, choose the appropriate value from the list (e.g., for a burn time of 20 hours, choose 6-25 hours). If the burn time overlaps two of the given ranges, choose the list value that encompasses the largest number of the candle's range (e.g., if the range of the candle's burn time is 40 - 60 hours, choose the list value of 51-75 hours). If the burn time includes a decimal, round up to the nearest integer (e.g., 20.5 is rounded up to 21). If the burn time is unknown, choose *unknown*. If the candle is a flameless candle, choose *none*.

Candle Weight

Field Name: Candle Weight

Type: List

List Values: < 1 oz, 1 - 5 oz, 6 - 12 oz, > 12 oz, unknown

Required: Yes

Definition: The weight range for candles in ounces

Rule: Examine the website, packaging, labels, or product invoice for the approximate weight of the candle. If no weight is provided, place the candle on a scale. Enter whole numbers into the database. Round up if the weight is x.5 or higher, and round down if the weight is less than x.5. (For example, round up to 3 if the candle's weight is 2.7 oz. Round down to 2 if the weight is 2.3 oz.) If the candle's weight exceeds 12 ounces, choose *> than 12 oz*. If the candle comes in a container, enter the total weight of the candle and container. If the candle comes in a pack of multiples, only enter the weight of one candle. If the weight of an individual candle is unknown, divide the total weight of the pack by the number of candles. If it is not possible to find or record the weight, choose *unknown*.

Candle Height

Field Name: Candle Height

Type: List

List Values: Less than 1 inch, 1 - 4 inches, 5 - 8 inches, 9 - 12 inches, More than 12 inches, unknown

Required: Yes

Definition: The height range for candles in inches

Rule: Examine the website, packaging, labels, or product invoice for information about how tall the candle is. If the height is not provided, use a ruler to measure how tall the candle is, in inches, from the base to the top. Do not include the wick in the height. Enter whole numbers into the database. Round up if the height is x.5 or higher, and round down if the height is less than x.5. (For example, round up to 3 if the candle's height is 2.7 in. Round down to 2 if the height is 2.3 in.) If the candle is in a container, measure the height of the container instead of the candle by itself. If the candle is taller than 12 inches, choose *More than 12 inches*. If you cannot find the height of the candle on the packaging or through your own measurement, choose *unknown*.

Number of Candle Wicks

Field Name: Number of Candle Wicks

Type: List

List Values: One, Two, Three, Other, None, Unknown

Required: Yes

Definition: The number of candle wicks per one candle

Rule: Examine the website, packaging, labels, or product invoice for the number of wicks on the candle. If no information is available concerning the wick number, look at the candle and count the number of wicks (the part of the candle that you

light). If the number of wicks is greater than three, choose *other*. If the candle has no wicks and/or is flameless, choose *none*. If the number of wicks is not listed or visible, choose *unknown*.

Made In

Field Name: Made In

Type: Comment

Required: No

Definition: Location where the candle was made

Rule: Rule: Examine the website, packaging, labels, or product invoice for where the product was made. Start by entering the location making sure to spell it exactly as given by the suppliers. Capitalize only the first letters of all proper nouns. Then, if the suppliers had anything written as an abbreviation, put a space, and enter it as non abbreviated in parentheses [e.g. US would be written as: US (United States of America)]. If the original was completely written out but there is a commonly known abbreviation, put a space and write it in parentheses [e.g., Washington District of Columbia, United States of America (Washington D.C., DC, U.S.A., USA)]. If no location is specified, leave this field blank.

Database

Database URL:

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Password: shoes

References

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