Specification Document | Management [Team 30]

To ensure the timely and efficient completion of our tasks, it is necessary for us, the front-of-house team, to receive the following essential data from the management team.

Taking inspiration from Team 30's format, we will also present the data requirements as a table to allow for logical data grouping. The data we ask for can have room for interpretation, and queries about them can be discussed with the analysts, designers, and programmers of our team (they can be reached via email, which will be listed at the end of this document, or through the discord server)

Menu Compilation:

Once the kitchen has offered up their final drafts for a menu, management must review and approve it, then hand it down to us, the front-of-house. From the menu we require the following data:

Type	Name	Details
object	Wine	Each wine will be a wine class. This class, at minimum, must contain the fields: wineID, name, price, and age. Further fields can be added if necessary but please inform us of these changes.
integer	wineID	The unique identifier for a wine object.
string	name	The string attribute that holds the name of the wine.
double	price	A double attribute that holds the value of the wine.
integer	age	An integer value that holds the age of the wine in years.

Type	Name	Details
object	Dish	Each dish will be a dish class. This class, at minimum, must contain the fields: dishID, name, price, description, and allergens. Further fields can be added if necessary but please inform us of these changes.
integer	dishID	The unique identifier for a dish object.
string	name	String attribute that holds the name of the dish object.
double	price	A double value holding the price value of the dish.
string	description	A string value holding the description of the dish
arrayList<String>	allergens	A HashMap that contains the key-value pair of a dish class and an array containing a list of strings, each of which could be a potential allergen for that dish

Type	Name	Details
object	Course	Each course will be a course class. This class, at minimum, must contain the fields: courseID and dishes Further fields can be added if necessary but please inform us of these changes.
integer	courseID	The unique identifier for the course object.
hashset<Dish>	dishes	A hashset that contains the dishes that will be used for a course

Type	Name	Details
object	Menu	Each menu will be a menu class. This class, at minimum, must contain the fields: menuID, dishList and winePairings. Further fields can be added if necessary but please inform us of these changes.
integer	menuID	The unique identifier for a menu object.
hashset<Dish>	dishList	A hashset that contains all dishes that will be used for the current menu
hashset<Course>	course	A hashset containing a list of courses From the example menu, at least 3 of these must be defined.
hashmap<Dish, Wine>	winePairings	A hashmap that contains the key-value pairs of a dish class and the appropriate wine pairing

Source: Case-Study → Management → Menu Review and Costing

Tracking:

For the front of house to be able to configure the table setup, we require the management team to send the following data:

Type	Name	Details
integer	maxDiners	An integer value that represents the maximum number of diners allowed during service
integer	maxBookings	An integer value that represents the maximum number of pre-bookings allowed before service begins

integer	coverLimit	An integer value that represents the cover limit; the number of customers that can be served within half an hour

Source: Case-Study → Management → Tracking

NOTE: It can be assumed that these data types can be wrapped in a separate class. The extent of this can be left to interpretation, whatever choice is made, please inform us.

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