Documentation

# Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameters should be passed in a JSON Objects** | | | |
| **Parameter Name** | **Required** | **Type** | **Description** |
| api\_key | \* | String | String that should be unique and retrieved from the database, then used for making API calls, but the **default** for now is “123456” |
| type | \* | String | Type should be “GetAllWines”,”GetAllWineries”,”FavouriteWine”,”RateWine”,”RateWinery”,” *GetWineReviews*” |
| return | \* | String/Array | Either the string “\*” to return all results or specify in an array which details should returned. The array should only contain data that is an attribute of a specific table.  So for example, [‘Bname’,’Instagram’,’Twitter’] for business or [‘Producer’,’Acidity’] etc. for a wine |
| limit |  | Int | A number between 1 and 200 indicating how many results should be returned. The range is to prevent the API taking long to respond |
| sort |  | String | If sort is used. Sort can be any of the following: Any ONE attribute of a specific relation. Eg. “BName” |
| order |  | String | If sort is used. Order can be “ASC” or “DESC” for ascending or descending respectively |
| search |  | JSON Object | A object where the keys are columns of the data and the values are the search terms. Columns can be any attribute that is found in a relation.  You can search multiple fields at a time |
| fuzzy |  | Boolean | Indicates if fuzzy search should be used, default value is true |

# **Endpoint**: GetAllWineries

**Purpose**: Returns information about specific wineries from the business table

**Required Criteria**: type, api\_key,return

**Optional Criteria**: page (basically will be used for populating the index page and the sort function (for now, just put any string in the attribute for now))

{

    "type":"GetAllWineries",

    "api\_key":"123456",

    "page": "index.php",

    "search":{"BName":"Franschhoek Cellar"},

    "order":"desc",

    "limit":10,

    "sort":"BName",

    "fuzzy":false,

    "return":"\*"

}

//Another option for return parameter

“return”:["Bname","userID","Instagram"]

{

  "status": "success",

  "timestamp": 1685189467,

  "data": [

    {

      "Business\_ID": 5,

      "BName": "Franschhoek Cellar",

      "Business\_URL": "https://franschhoekcellar.co.za/wp-content/themes/fhc/images/logo.png",

      "Website\_URL": "https://franschhoekcellar.co.za/",

      "Weekday\_open\_time": "09:00:00",

      "Weekday\_close\_time": "18:00:00",

      "Weekend\_open\_time": "09:00:00",

      "Weekend\_close\_time": "13:00:00",

      "Instagram": null,

      "Twitter": "https://twitter.com/franschhoek\_sa?lang=en",

      "Facebook": "https://www.facebook.com/franschhoekcellar/",

      "Description": "Franschhoek Cellar, a beautiful asset to the Franschhoek wine route, combines the charms of leisurely country life with the elegance of a world-class venue. Enjoy wine tastings paired with Belgian chocolate or handmade cheese. Dine on alfresco style lunches in our fabulous garden, or sip on an artisanal beer in our bistro & beer garden. Franschhoek Cellar has a special selection of unique event venues within the space to ensure we host your most memorable occasion.",

      "User\_ID": 5,

      "Region\_ID": 5

    }

  ]

}

//This one filters by weekday opening time

{

    "type":"GetAllWineries",

    "api\_key":"123456",

    "page": " index.php ",

    "search":{"Weekday\_open\_time":"09:00:00"},

    "order":"asc",

    "fuzzy":true,

    "return":"\*"

}

{

"status": "success",

"timestamp": 1685190902,

"data": [

{

"Business\_ID": 2,

"BName": "Kleine Zalze Wine Estate",

"Business\_URL": "https://kleinezalze.co.za/wp-content/uploads/2021/07/KZ-LOGO-transparent-300.png",

"Website\_URL": "https://www.kleinezalze.co.za/",

"Weekday\_open\_time": "09:00:00",

"Weekday\_close\_time": "18:00:00",

"Weekend\_open\_time": "11:00:00",

"Weekend\_close\_time": "18:00:00",

"Instagram": null,

"Twitter": "https://twitter.com/kleine\_zalze",

"Facebook": "https://www.facebook.com/kleinezalzeofficial/",

"Description": "Kleine Zalze’s philosophy is simple – success begins in the vineyards. Exceptional wines are made possible by careful management of the farm’s extensive natural assets through innovative canopy management and selecting varieties and clones specifically suited to the various soils and slope",

"User\_ID": 1,

"Region\_ID": 4

},

{

"Business\_ID": 3,

"BName": "Vilafonté Wines",

"Business\_URL": "https://www.vilafonte.com/wp-content/uploads/2018/02/vilafonte-logo-black.png",

"Website\_URL": "https://www.vilafonte.com/",

"Weekday\_open\_time": "09:00:00",

"Weekday\_close\_time": "18:00:00",

"Weekend\_open\_time": "11:00:00",

"Weekend\_close\_time": "18:00:00",

"Instagram": "https://www.instagram.com/explore/tags/vilafonte/?hl=en",

"Twitter": "https://twitter.com/Vilafonte",

"Facebook": "https://m.facebook.com/profile.php?id=268500363255406",

"Description": "a vineyard different by design of ancient vilafontes soils low yielding small vines harvested by handind ividual berry selection unfiltered and barrel aged limited production",

"User\_ID": 3,

"Region\_ID": 4

},

{

"Business\_ID": 4,

"BName": "Mullineux & Leeu Family Wines - Franschhoek",

"Business\_URL": "https://mlfwines.com/mullineux/wp-content/themes/mullineux/images/logo.svg",

"Website\_URL": "https://mlfwines.com/mullineux/contact-us/",

"Weekday\_open\_time": "09:00:00",

"Weekday\_close\_time": "17:00:00",

"Weekend\_open\_time": "10:00:00",

"Weekend\_close\_time": "13:00:00",

"Instagram": null,

"Twitter": "https://twitter.com/mullineuxwines?lang=en",

"Facebook": "https://m.facebook.com/profile.php?id=171443899875120",

"Description": "after working several vintages at wineries in france, south africa and california, chris & andrea chose to settle in the swartland region of south africa, firmly believing that the granite and schist based terroirs and old vineyards of the swartland have the potential to produce truly great wine.",

"User\_ID": 4,

"Region\_ID": 5

},

{

"Business\_ID": 5,

"BName": "Franschhoek Cellar",

"Business\_URL": "https://franschhoekcellar.co.za/wp-content/themes/fhc/images/logo.png",

"Website\_URL": "https://franschhoekcellar.co.za/",

"Weekday\_open\_time": "09:00:00",

"Weekday\_close\_time": "18:00:00",

"Weekend\_open\_time": "09:00:00",

"Weekend\_close\_time": "13:00:00",

"Instagram": null,

"Twitter": "https://twitter.com/franschhoek\_sa?lang=en",

"Facebook": "https://www.facebook.com/franschhoekcellar/",

"Description": "Franschhoek Cellar, a beautiful asset to the Franschhoek wine route, combines the charms of leisurely country life with the elegance of a world-class venue. Enjoy wine tastings paired with Belgian chocolate or handmade cheese. Dine on alfresco style lunches in our fabulous garden, or sip on an artisanal beer in our bistro & beer garden. Franschhoek Cellar has a special selection of unique event venues within the space to ensure we host your most memorable occasion.",

"User\_ID": 5,

"Region\_ID": 5

}

]

}

# **Endpoint**: FavouriteWine

**Purpose**: Returns the favourite wines of a specific user

**Required Criteria**: type, api\_key, userID,return

// This is an example of user with userID of 1 and their favourite wines

{

    "type":"FavouriteWine",

    "api\_key":"123456",

    "userID": 1,

    "return":"\*"

}

{

"status": "success",

"timestamp": 1685190947,

"data": [

{

"WineID": 1,

"UserID": 1,

"Name": "Lamoreaux Landing Wine Cellars Chardonnay",

"Vintage": "2017",

"Producer": "Middelvlei Wine Estate",

"Category": "white",

"Cultivars": "Cabernet Sauvignon",

"Description": "The Finger Lakes knows how to give a lean Chardonnay some depth. The acidity in the wine is high (typical for cool-climate wines), but it is rounded out with an unctuous mouthfeel . There is a hint of tannin in the background that adds structure.",

"Cost\_per\_bottle": "327,49"

},

{

"WineID": 2,

"UserID": 1,

"Name": "Billsboro Winery Chardonnay",

"Vintage": "2018",

"Producer": "Middelvlei Wine Estate",

"Category": "white",

"Cultivars": "Cabernet Sauvignon",

"Description": "It’s lean. It’s deep. It’s in the in-between. There is ample acidity here in that cool-climate vibe but the depth on the palate gives that high tone a run for its money.",

"Cost\_per\_bottle": "327,49"

},

{

"WineID": 3,

"UserID": 1,

"Name": "Blenheim Vineyards Chardonnay",

"Vintage": "2015",

"Producer": "Middelvlei Wine Estate",

"Category": "white",

"Cultivars": "Cabernet Sauvignon",

"Description": "Guys, Virginia is not playing. And Blenheim isn’t either. This Chardonnay is so damn earthy with some deep honey notes winding through the fruit. The thick, palate-coating mouthfeel is lifted by wonderful acidity, allowing you to enjoy the weight and the refreshment all at once.",

"Cost\_per\_bottle": "346,76"

},

{

"WineID": 7,

"UserID": 1,

"Name": "Lava Cap Winery Reserve Chardonnay",

"Vintage": "2015",

"Producer": "Kleine Zalze Wine Estate",

"Category": "white",

"Cultivars": "Cabernet Sauvignon",

"Description": "This is volcanic Chardonnay. No, it’s not hot but from the dark soils of a lava cap in El Dorado, Calif. It’s quite fruit-forward with a waft of that volcanic, saline minerality. The oak is minimal, which is nice because there are so many other things happening in this refreshing wine.",

"Cost\_per\_bottle": "423,82"

},

{

"WineID": 9,

"UserID": 1,

"Name": "Black Stallion Estate Winery Heritage Chardonnay",

"Vintage": "2016",

"Producer": "Vilafonté Wines",

"Category": "white",

"Cultivars": "Cabernet Sauvignon",

"Description": "For the price, this wine is punching above its weight. Soft and toasty with hints of vanilla and a creamy, coating mouthfeel, this wine drinks like a more expensive wine. And the balance on the palate with good natural acidity holds up the slight weight.",

"Cost\_per\_bottle": "481,61"

},

{

"WineID": 11,

"UserID": 1,

"Name": "Dr. Konstantin Frank Old Vines Pinot Noir 2020",

"Vintage": "2020",

"Producer": "Vilafonté Wines",

"Category": "red",

"Cultivars": "Pinot Noir",

"Description": "From a pioneering Finger Lakes winery, this is a Pinot Noir that can compete with many from California or Oregon. Perfectly balanced with refreshing acidity and light tannins, it offers tastes of cherry, strawberry, and blueberry with an overlay of vanilla and touches of earth and cookie dough. The website says the blend includes wine from the original Pinot Noir vines planted by its founder Dr. Konstantin Frank in 1958, representing the second-oldest Pinot Noir vines in the U.S.",

"Cost\_per\_bottle": "519,94"

},

{

"WineID": 12,

"UserID": 1,

"Name": "Stony Lonesome Cabernet Sauvignon Sawmill Creek Vineyard 2020",

"Vintage": "2020",

"Producer": "Mullineux & Leeu Family Wines - Franschhoek",

"Category": "red",

"Cultivars": "Pinot noir",

"Description": "This lovely Cabernet shows true varietal character in a fresh, approachable style. A beautiful combination of concentrated dark and red fruit tastes that include dried cherry, raspberry, and blackberry accented by a mocha note. Fine tannins add to the elegance of this classy wine with under-12 percent ABV. Stony Lonesome is a label of Three Brothers Wineries & Estates on Seneca Lake.",

"Cost\_per\_bottle": "885,82"

},

{

"WineID": 13,

"UserID": 1,

"Name": "McGregor Vineyard Saperavi 2019",

"Vintage": "2019",

"Producer": "Mullineux & Leeu Family Wines - Franschhoek",

"Category": "red",

"Cultivars": "Saperavi ",

"Description": "Saperavi, an ancient variety originally from the country of Georgia, soars in this phenomenal wine from McGregor, which overlooks Keuka Lake and was founded in 1971. Dark, dense, and full-bodied (but with alcohol at just 12.4 percent), aromas and tastes include blackberry and violets with hints of black licorice, green olive, and orange rind. Firm tannins and refreshing acidity complete the picture. McGregor also offers Reserve and Grand Reserve Saperavis with a year or two of additional age.",

"Cost\_per\_bottle": "1155,42"

},

{

"WineID": 17,

"UserID": 1,

"Name": "Fox Run Vineyards Unoaked Lemberger (Blaufränkisch) 2021",

"Vintage": "2021",

"Producer": "Franschhoek Cellar",

"Category": "red",

"Cultivars": "Pinot noir",

"Description": "Another wine that evokes young Beaujolais in its lightness and fruitiness with aromas and concentrated tastes of blackberry and blueberry compote and white pepper on the finish. With ample acidity, this will be a summer hit with a slight chill for all kinds of foods and for sipping on its own.",

"Cost\_per\_bottle": "385,142"

},

{

"WineID": 18,

"UserID": 1,

"Name": "Lakewood Vineyards Cabernet Franc 2020",

"Vintage": "2020",

"Producer": "La Bri Wine Estate",

"Category": "red",

"Cultivars": "Pinot noirn",

"Description": "There’s lots of complexity in this Cab Franc, with blueberry and cranberry notes, touches of orange rind and spice, and subtle oak that provides hints of vanilla and smoke. Soft tannins round out the picture in an altogether lovely wine. Another excellent value.",

"Cost\_per\_bottle": "385,14"

},

{

"WineID": 20,

"UserID": 1,

"Name": "Heron Hill Winery Blaufränkisch Ingle Vineyard 2020",

"Vintage": "2020",

"Producer": "La Bri Wine Estate",

"Category": "red",

"Cultivars": "Pinot noir",

"Description": "This delicate and expressive Blaufränkisch shows dark fruit tastes, including cassis and black cherry, with secondary notes of white pepper, black licorice, and flowers. All of it is supported by a gentle tannic structure and balanced acidity. Serve it slightly chilled to give it an even more refreshing lift.",

"Cost\_per\_bottle": "673,99"

}

]

}

//GetWineReviews does nothing for now (will be implemented after login etc work)

{    "type":"GetWineReviews",

    "api\_key":"123456",

    "return":"\*"

}

{

"status": "failure",

"timestamp": 1685191092,

"data": "No wines with this name found"

}

# **Endpoint**: GetAllWines

**Purpose**: Returns all wines as well as their information, most parameters are optional

**Required Criteria**: type, api\_key,return

**Optional Criteria**: page (basically will be used for populating the index page and the sort function (for now, just put any string in the attribute for now))

{

    "type":"GetAllWines",

    "api\_key":"123456",

    "page": "bruh",

    "search":{"wine\_name":"Franschhoek Cellar"},

    "order":"desc",

    "limit":10,

    "sort":"Acidity",

    "fuzzy":false,

    "return":"\*"

}

{

"status": "success",

"timestamp": 1685191491,

"data": [

{

"WineID": 14,

"Name": "Wagner Vineyards Cabernet Franc 2020",

"Body": "full-bodied",

"Alcohol": "12.0",

"Tannin": "high",

"Acidity": "3.7",

"Sweetness": "Medium",

"Producer": "Mullineux & Leeu Family Wines - Franschhoek",

"Vintage": "2020",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/03/good-wines-reds-finger-lakes-internal-wagner-cabernet-franc.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet",

"Category": "red",

"Description": "This elegant wine, an under-$20 value, evokes some of the Cabernet Francs of France’s Loire Valley. Initial tastes of sour cherry and pomegranate give way to darker fruit notes as it opens up. There’s a touch of leafiness, which is typical of young Cab Franc. A refreshing wine of balance and complexity that will evolve for several years and is perfect for lighter foods, including white meats and fish.",

"Cost\_per\_bottle": "365,88",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 4

},

{

"WineID": 11,

"Name": "Dr. Konstantin Frank Old Vines Pinot Noir 2020",

"Body": "full-bodied",

"Alcohol": "12.5",

"Tannin": "high",

"Acidity": "3.6",

"Sweetness": "High",

"Producer": "Vilafonté Wines",

"Vintage": "2020",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/03/good-wines-reds-finger-lakes-internal-dr-konstantin-frank-pinot-noir.jpg",

"Volume": "750 ml",

"Cultivars": "Pinot Noir",

"Category": "red",

"Description": "From a pioneering Finger Lakes winery, this is a Pinot Noir that can compete with many from California or Oregon. Perfectly balanced with refreshing acidity and light tannins, it offers tastes of cherry, strawberry, and blueberry with an overlay of vanilla and touches of earth and cookie dough. The website says the blend includes wine from the original Pinot Noir vines planted by its founder Dr. Konstantin Frank in 1958, representing the second-oldest Pinot Noir vines in the U.S.",

"Cost\_per\_bottle": "519,94",

"Cost\_per\_glass": "52",

"Price\_Category": "Super Premium",

"Business\_ID": 3

},

{

"WineID": 1,

"Name": "Lamoreaux Landing Wine Cellars Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.5",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Middelvlei Wine Estate",

"Vintage": "2017",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-louis-jadot-macon-villages-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "The Finger Lakes knows how to give a lean Chardonnay some depth. The acidity in the wine is high (typical for cool-climate wines), but it is rounded out with an unctuous mouthfeel . There is a hint of tannin in the background that adds structure.",

"Cost\_per\_bottle": "327,49",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 1

},

{

"WineID": 2,

"Name": "Billsboro Winery Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.3",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Middelvlei Wine Estate",

"Vintage": "2018",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-billsboro-winery-chardonnay-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "It’s lean. It’s deep. It’s in the in-between. There is ample acidity here in that cool-climate vibe but the depth on the palate gives that high tone a run for its money.",

"Cost\_per\_bottle": "327,49",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 1

},

{

"WineID": 3,

"Name": "Blenheim Vineyards Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.2",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Middelvlei Wine Estate",

"Vintage": "2015",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-blenheim-vineyards-chardonnay-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "Guys, Virginia is not playing. And Blenheim isn’t either. This Chardonnay is so damn earthy with some deep honey notes winding through the fruit. The thick, palate-coating mouthfeel is lifted by wonderful acidity, allowing you to enjoy the weight and the refreshment all at once.",

"Cost\_per\_bottle": "346,76",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 1

},

{

"WineID": 4,

"Name": "Boschkloof Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.0",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Middelvlei Wine Estate",

"Vintage": "2013",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-boschkloof-chardonnay-bottle-shot-charlotte-alsaadi-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "A lot of stainless steel and a little bit of oak was the approach to this bright and lively wine with soft edges. The little bit of wood comes through in texture more than aroma and that is a win. This is a no-brainer on the casual wine front.",

"Cost\_per\_bottle": "366,02",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 1

},

{

"WineID": 5,

"Name": "Weingut Franz & Christine Netzl Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.1",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Middelvlei Wine Estate",

"Vintage": "2016",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-weingut-franz-christine-netzl-chardonnay-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "This is not the Chardonnay you are used to. And that’s great because this grape has multiple personalities. Here, it is all blazing acidity, blooming with ripe, round, and unoaked(?) fruit. This is so a crowd-pleasing case-buy.",

"Cost\_per\_bottle": "385,29",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 1

},

{

"WineID": 6,

"Name": "Wente Vineyards Riva Ranch Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.5",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Kleine Zalze Wine Estate",

"Vintage": "2017",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-wente-riva-ranch-chardonnay-2019-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "This wine is just scratching the surface of what the Wente family has to offer. But start here. If you’re gonna go for a wine with toasty and deep oak, this is the way to go. It’s soft and creamy with a good lift to the palate. A great wind-down wine",

"Cost\_per\_bottle": "385,29",

"Cost\_per\_glass": "52",

"Price\_Category": "Premium",

"Business\_ID": 2

},

{

"WineID": 7,

"Name": "Lava Cap Winery Reserve Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.9",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Kleine Zalze Wine Estate",

"Vintage": "2015",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-lava-cap-chardonnay-nv-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "This is volcanic Chardonnay. No, it’s not hot but from the dark soils of a lava cap in El Dorado, Calif. It’s quite fruit-forward with a waft of that volcanic, saline minerality. The oak is minimal, which is nice because there are so many other things happening in this refreshing wine.",

"Cost\_per\_bottle": "423,82",

"Cost\_per\_glass": "67,8112",

"Price\_Category": "Super Premium",

"Business\_ID": 2

},

{

"WineID": 8,

"Name": "Corey Creek Coquillage Chardonnay",

"Body": "full-bodied",

"Alcohol": "12.0",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Kleine Zalze Wine Estate",

"Vintage": "2018",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/04/btb-chardonnay-2023-corey-creek-cellars-coquillage-chardonnay-internal.jpg",

"Volume": "750 ml",

"Cultivars": "Cabernet Sauvignon",

"Category": "white",

"Description": "There is only one wine like this in the entire world… well… it’s this one. Coming from the North Fork of Long Island is this amazing Chardonnay that was AGED ON SEA SHELLS! It is so clean and mineral with nice mild fruit. The mouthfeel is soft and refreshing with a bit of depth and the slightest hint of briny sea shells on the finish. Run to a computer now and buy some.",

"Cost\_per\_bottle": "462,34",

"Cost\_per\_glass": "52",

"Price\_Category": "Super Premium",

"Business\_ID": 2

}

]

}

----------------

{ "type":"GetAllWines",

"api\_key":"123456",

"search":{"Producer":"Franschhoek Cellar"},

"order":"asc",

"limit":2,

"sort":"Alcohol",

"fuzzy":false,

"return":"\*"

}

{

"status": "success",

"timestamp": 1685192479,

"data": [

{

"WineID": 15,

"Name": "Toast Winery Zweigelt 2021",

"Body": "full-bodied",

"Alcohol": "12.1",

"Tannin": "high",

"Acidity": "3.3",

"Sweetness": "Medium",

"Producer": "Franschhoek Cellar",

"Vintage": "2021",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/03/good-wines-reds-finger-lakes-internal-toast-zweigelt.jpg",

"Volume": "750 ml",

"Cultivars": "Pinot noir",

"Category": "red",

"Description": "Great acidity and freshness in this Austrian variety make it a superb food wine. It’s rather Beaujolais-like in taste and feel, with notes of sour cherry and blueberry and hints of vanilla and forest floor. It was perfect with a shrimp and vegetable risotto, neither overpowering, nor overpowered by, the food.",

"Cost\_per\_bottle": "462,17",

"Cost\_per\_glass": "52",

"Price\_Category": "Super Premium",

"Business\_ID": 5

},

{

"WineID": 16,

"Name": "Weis Vineyards Blaufränkisch 2020",

"Body": "full-bodied",

"Alcohol": "12.5",

"Tannin": "high",

"Acidity": "3.4",

"Sweetness": "Medium",

"Producer": "Franschhoek Cellar",

"Vintage": "2020",

"Wine\_URL": "https://vinepair.com/wp-content/uploads/2023/03/good-wines-reds-finger-lakes-internal-weis-blaufrankisch.jpg",

"Volume": "750 ml",

"Cultivars": "Pinot noir",

"Category": "red",

"Description": "This stellar wine makes a convincing case for the importance of Blaufränkisch in the Finger Lakes. Savory, with notes of blackberry, plum, and overripe strawberry, the wine is lively and lean with an impressively long finish that beckons you for the next sip. A serious wine that should be compared with Blaufränkisches from Austria.",

"Cost\_per\_bottle": "500,68",

"Cost\_per\_glass": "52",

"Price\_Category": "Super Premium",

"Business\_ID": 5

}

]

}

# **Endpoint**: RateWine //will be further expanded on later

**Purpose**: Records rating from a user for a wine

**Required Criteria**: type, api\_key, userID, Business\_ID

**Optional Criteria**: page (basically will be used for populating the index page and the sort function (for now, just put any string in the attribute for now))

{

"type":"RateWine",

"api\_key":"123456",

"userID":"index",

"rate":{"rating":3,"Comment":"Not that great","Bussiness\_ID":69}

}

# **Front End example code**

//Function for Frontend API example

function carCreate(){

    const req = new XMLHttpRequest();

    const url = 'https://…. api.php';

    var data={

        "studentnum":"u22575172",

        "type":"GetAllCars",

        "apikey":apikey,

        "limit":25,

        "return":"\*"

        };

    // console.log(req.responseText);

    req.onreadystatechange = function(){

        if (req.readyState==4 && req.status==200){

            temp =JSON.parse(req.responseText)['data'];

            temp2 =JSON.parse(req.responseText)['status'];

            if (temp.length == 0 || temp2 == "error" ){

              alert("It seems the server has nothing in it. Come again later maybe? ¯\\_(ツ)\_/¯");

              return;

            }

            // console.log("Length of temp is : "+temp.length);

            // console.log("Length of temp is : "+temp[0].model);

            var centerStage = document.getElementById("centerStage");

            arr =new Array();

            centerStage.innerHTML="";

            for (var i = 0; i < temp.length; i++) {

              carName =temp[i].make+ " "+temp[i].model;

            var p= document.createElement('div');

            var body\_type=temp[i].body\_type;

            var  drivewheels=temp[i].drive\_wheels;

            var  number\_of\_seats=temp[i].number\_of\_seats;

            var  length=temp[i].length\_mm;

            var  width=temp[i].width\_mm;

            var height=temp[i].height\_mm;

            var transmission=temp[i].transmission;

            var  engine\_type=temp[i].engine\_type;

            var  number\_of\_cylinders=temp[i].number\_of\_cylinders;

            var  drive\_wheels=temp[i].drive\_wheels;

            var max\_speed\_km\_per\_h=temp[i].max\_speed\_km\_per\_h;

            arr[i]=carName;

            var image = temp[i].image;

            var id\_trim=temp[i].id\_trim;

            p.innerHTML+='<div class="flexbox-container" ><div class="flexbox-item flexbox-item-1"></div><div class="flexbox-item flexbox-item-2"><img class="picture" id="'+carName+'" src="'+image+'" alt="'+carName +'"> </div> <div class="flexbox-item flexbox-item-3"><h1>'+carName+ " "+temp[i].trim+'</h1><p><b>Body Type: </b>'+body\_type+'</p><p><b>Number of Seats: </b>'+number\_of\_seats+ '</p><p><b>Length: </b>'+ length+ 'mm</p><p><b>Width: </b>'+ width+ ' mm</p><p><b>Height: </b>'+height + ' mm</p><p><b>Transmission: </b>'+ transmission+ '</p><p><b>Engine Type: </b>'+ engine\_type+ '</p><p><b> Drive Wheels: </b>'+ drive\_wheels+ '</p><p><b> Max Speed (km/hr): </b>'+ max\_speed\_km\_per\_h+ '</p><input type="text" class="rate"  value="'+temp[i].model+'" style="display:none"><input type="text" class="rate" value="'+temp[i].make+'" style="display:none"><input type="text" class="rate" value="'+temp[i].id\_trim+'" style="display:none"><p> Rate the '+carName+' <select class="rating" id="'+id\_trim+'" name="country" onchange="rate(this,'+temp[i].id\_trim+')"> <option value="1" selected="selected">1</option><option value="2">2</option><option value="3">3</option><option value="4">4</option><option value="5">5</option></select></p>';

            centerStage.appendChild(p);

    }

     }

 }

 req.open('POST',url,true);

 req.setRequestHeader('Content-type','application/json');

 req.send(JSON.stringify(data));

}