

# Give me wine

## Requirements

### Functional Requirements

1. Random Wine Selection Initiation: The system shall provide a feature for users to retrieve a random wine from the database.
2. Random Wine Display Feature: Upon the random selection of wine, the system shall display its detailed information, including grape variety and year of production.
3. Wine Search Functionality: Users shall be able to search for wines based on type, region, winery and price range.
4. Display of Wine Information: For each wine, either selected randomly or found through the search, the system shall provide information about the wine.
5. User Input Handling: The system shall provide an interface for users to input search criteria and interact with the application features.
6. Location Information for Wineries: The system shall provide optimal route to each winery.
7. Interactive Map Integration: The system shall integrate an interactive map that shows the locations of the wineries where the selected or searched wines can be purchased.
8. Responsive Design: The application should have a responsive design, ensuring it is accessible and functional across different devices.

### Non-Functional Requirements

1. Usability: The application should have an intuitive user interface, ensuring ease of use for people with varying levels of technical proficiency.
2. Performance: The application should have fast load times, with a goal of loading any page within a few seconds.
3. Reliability: The application should have a high uptime, at least 99% availability per month.
4. Maintainability: The code should be documented for future maintenance and development.
5. Compatibility: The application's functions should work correctly across different web browsers and devices.
6. Scalability: The application's architecture should be scalable in order to withstand an increased number of users without causing performance issues.