MyCellar is a simplified application that tracts your wine collection, as well as records your rating of the wines that you have tasted for future reference. It can also provide you with wine suggestions.

## Splash screen

Displayed when you open the app, and while it loads the app.

## Home screen

Features 4 buttons: ‘Tasted Collection’, ‘Untasted Collection’, and ‘Settings’. Clicking on any of them will open a new activity of the appropriate page.

## Tasted Collection

Will feature a list (using RecyclerView) of all the opened wines that were tasted and rated. At the top of the activity, the user will be able to switch between a list view or a grid view: the list view will have a small icon image of the picture of the wine (usually a picture of the wine bottle label), the name of the wine, the producer, and the vintage (the year in which the grapes were harvested); the grid view will only show enlarged images of the wine pictures (since it’s sometimes it is easier to remember a wine from the picture, I.e. visually, rather than from the name and information). The user will be able to sort by alphabetical order, by price, by rating, or by quantity, and will also be able to filter by type, or by producer.

In both views, clicking the wine links will open their page containing more information about the wine. The following information will be displayed about the wine:

* Name
* Producer
* Vintage
* Picture
* Type (red, white, rosé)
* Rating
* Quantity on hand
* Price
* Additional information (where it was bought, taste description, etc.)

The user will be able to modify the information about the wine or even delete the wine.

There will also be a ‘Add’ floating action button on the Tasted Collection main page that when clicked, will open a form to add a wine to the opened wine list. Within this form, the user will fill the same information about the wine as described above (some details will be mandatory such as the name and vintage).

## Untasted Collection

The same layout and functionalities as for the Tasted Collection, only difference is that the details of the wine will not include the user’s rating (as they will not have tasted it yet). There will also be a list view or grid view option, and the user can sort (not by rating) and filter. When the user clicks on a wine, it will display the details, and will also have a button to move the wine to the Tasted Collection once the user has tasted the wine. The app will ask for the rating and update the databases (delete the wine from the Untasted Collection and add it to the Tasted Collection).

There will also be a FAB to add a wine, and the form will be like the Tasted Collection add form but will not include the rating detail.

## Wine Suggestions

Will display a list of wine suggestions taken from the Internet using JSON/GSON and wine API.

## Settings

There will be a Settings page to configure app

Other Information about the app

Throughout the use of the application, there will be error messages if the information is wrong or incomplete, there will be pop-up (snackbar) message for various notifications, confirmation messages (for example when deleting a wine entry).