Android Programming

WineManager

Realized by Daniel-Alexandru Bejan

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Description:

WineManager is meant for those who want to keep their favorites wines into one place. The app has its unique features that allow you to store wines. One wine consists in wine's name, production year, grapes kind, country, region and a short description in the end. The most important feature is that you can take a picture of your wine bottle. Wines are displayed based on the country.

Technical description:

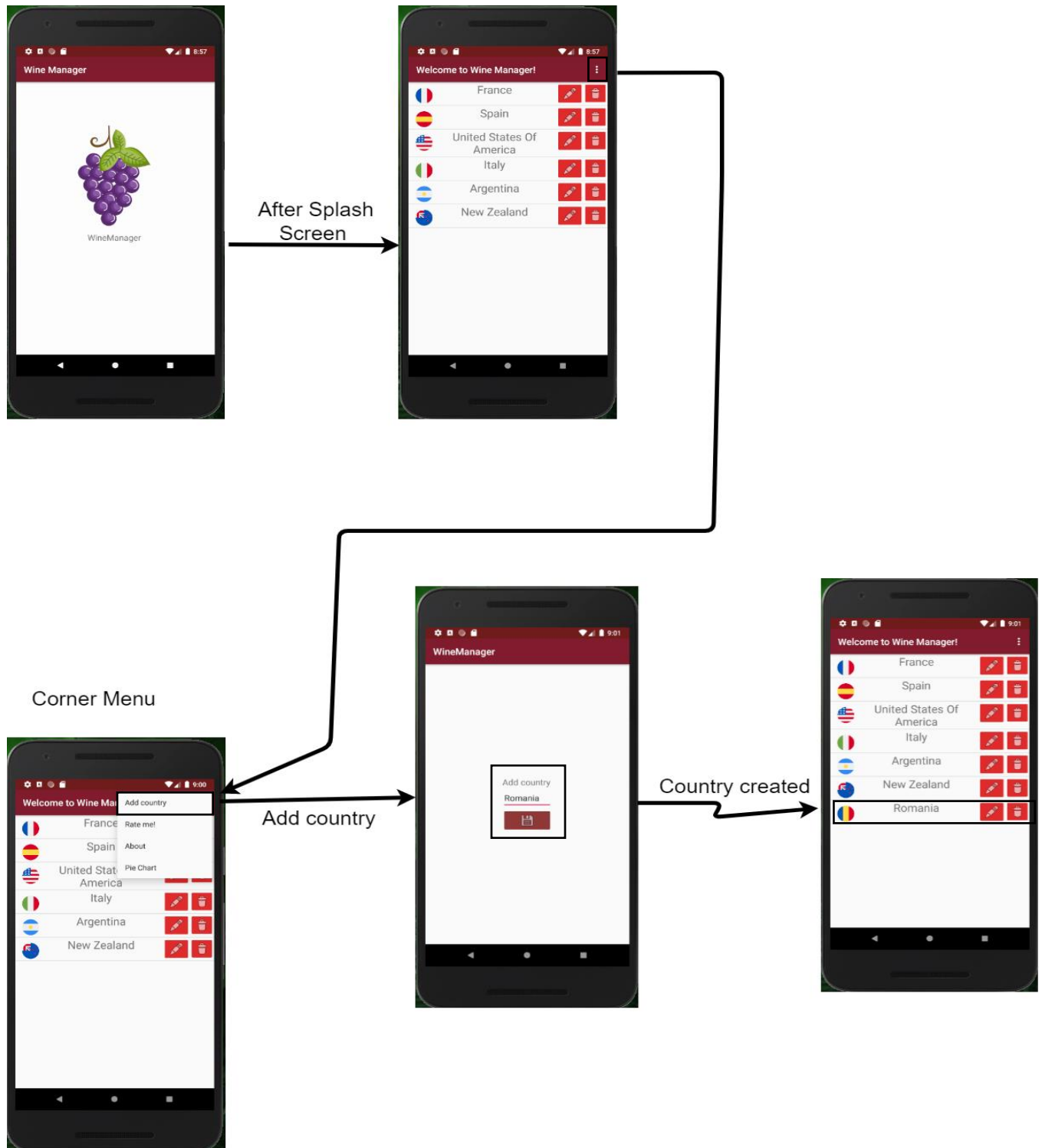Developed in: Java

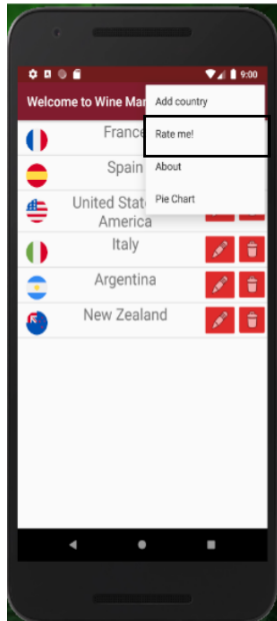Min API: 23 (Marshmallow 6.0)

Build API: 27 (Oreo 8.1)

Device recommended: Nexus 5X API 27
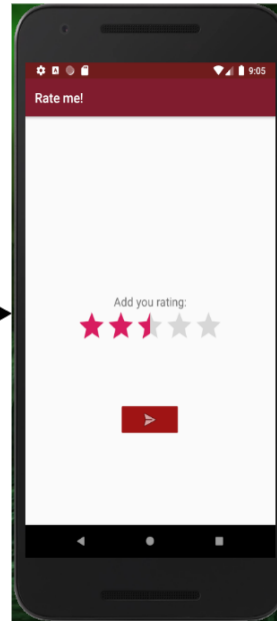
Languages: English, Romanian

Supports: Landscape and portrait mode and tablets

Functional design
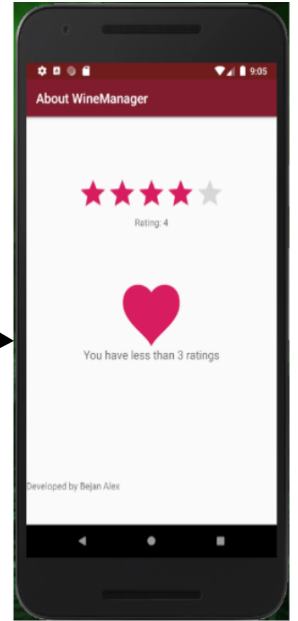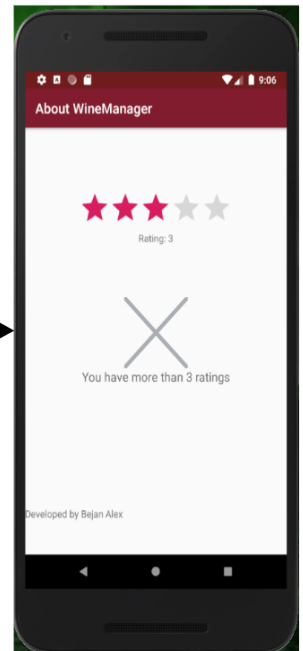

After Splash Screen

Corner Menu

Add country

Country created

Rate me!

Positive Ratings

Rating

Negative Ratings

About
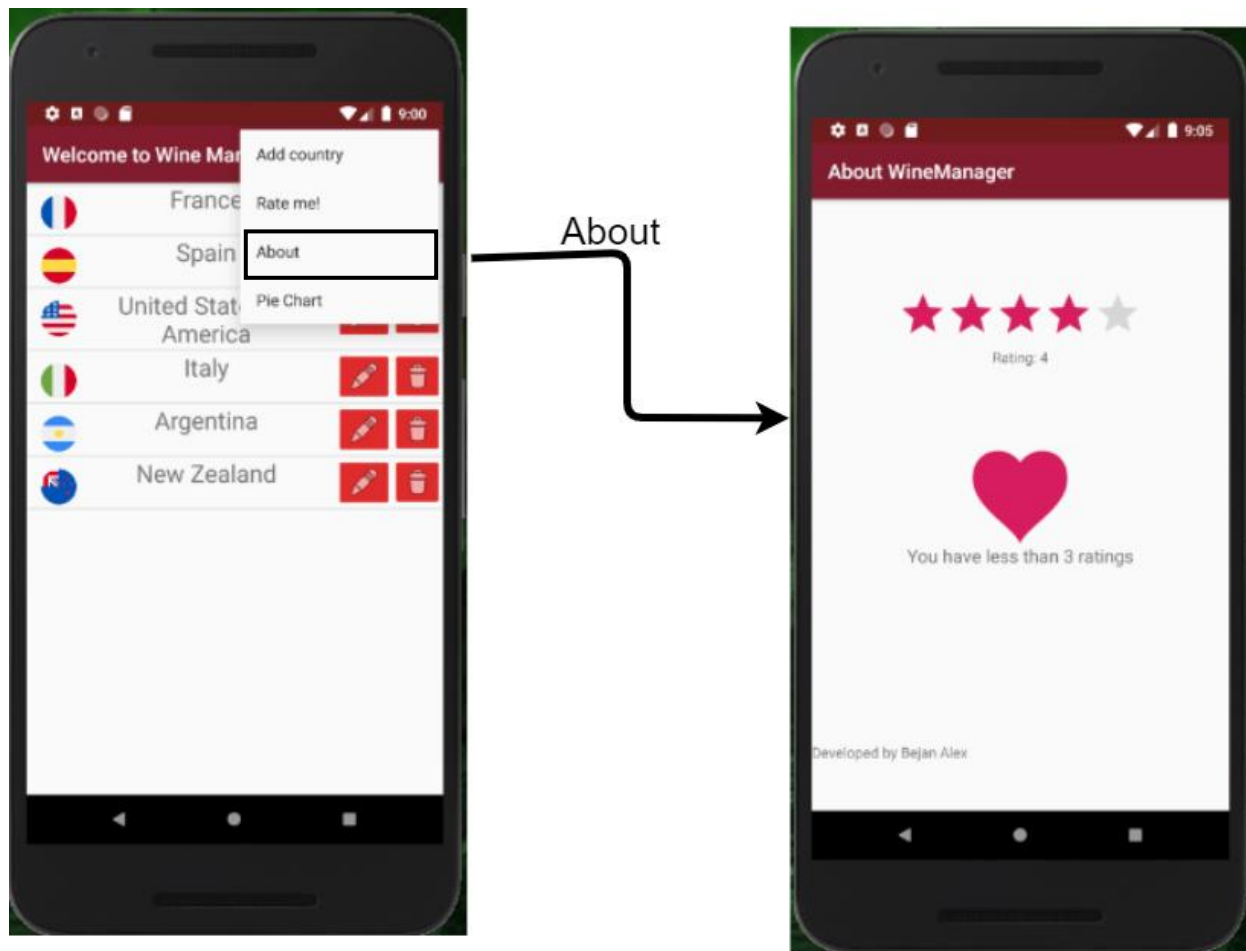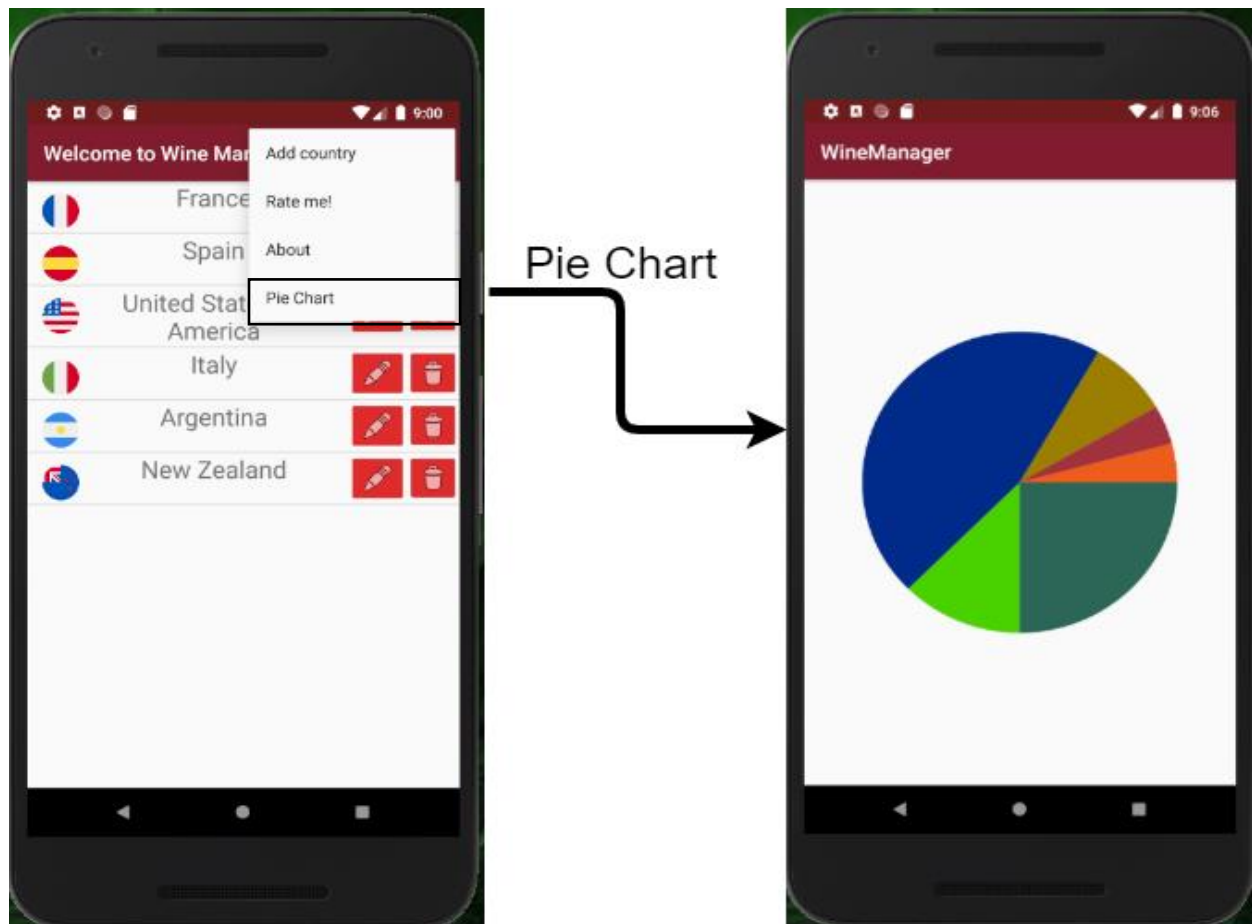
Note: If you have created a new country and is empty won't be displayed in the chart unless has at least one wine.

Menu wine list

Wine list

Take picture

Wines

MOMO MARLBOROUGH

TAPIO

Added wine

Wine

Name*:TAPIO
Production Year2019
Grapes*:Savignon Blanc
Country*:New Zealand
Region:Big Island
DescriptionIt is a very good wine

Wine profile

Edit Wine

Edit name

Save changes
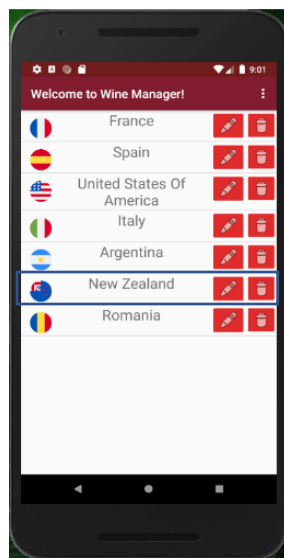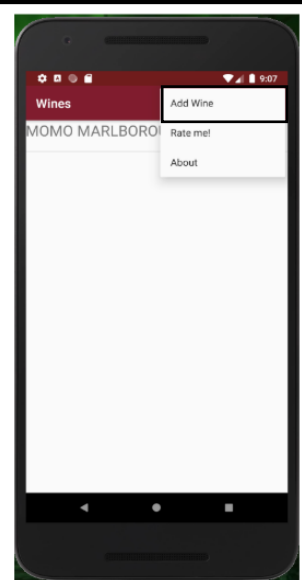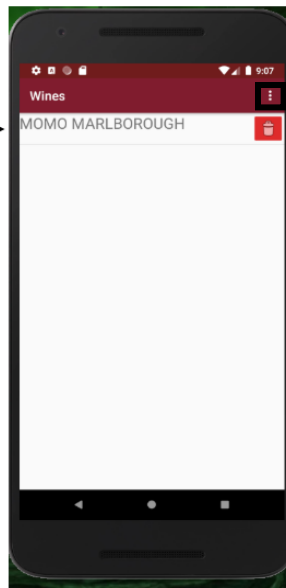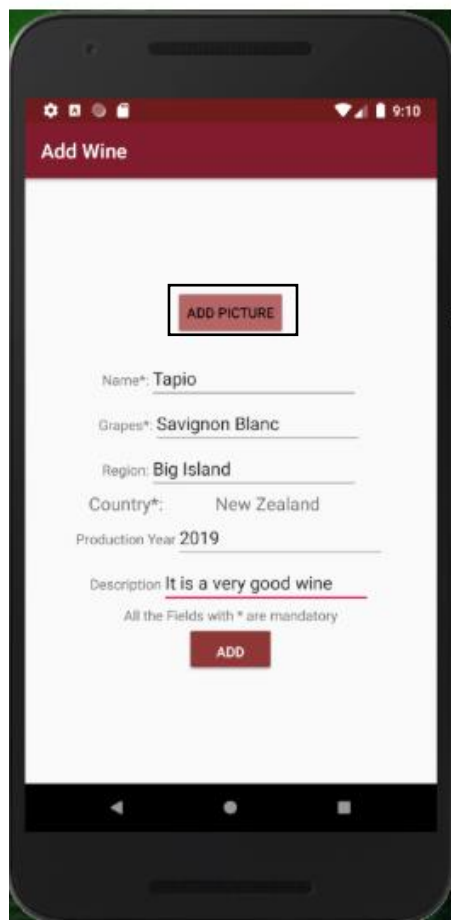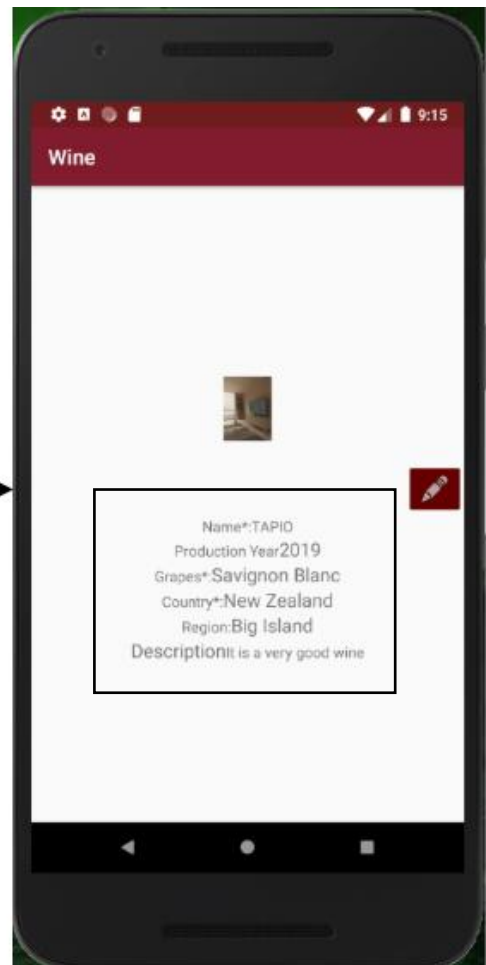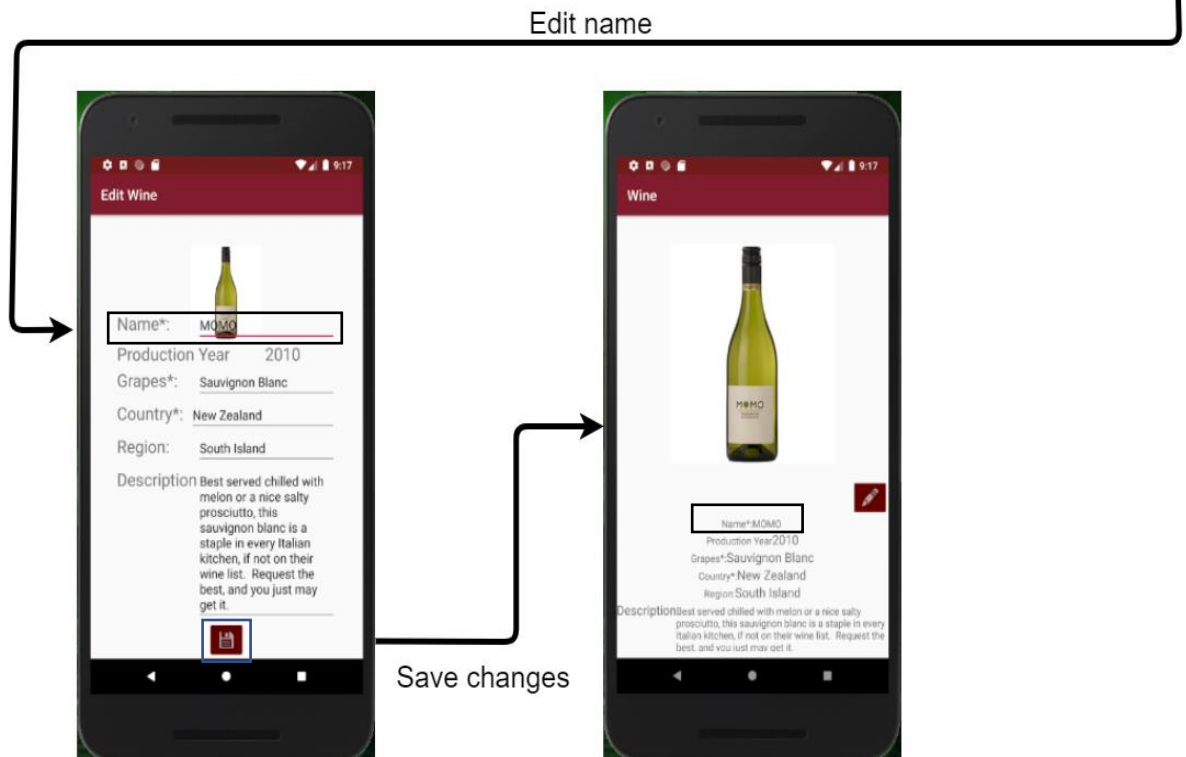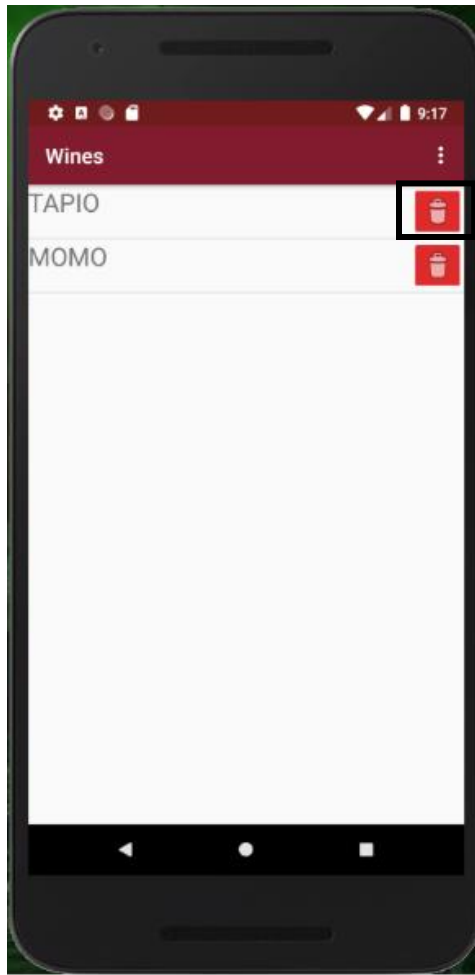
Delete button

Edit country

Change Italy to China

Save

Delete country

Technical design

+ WineAdmin

fields
- ratings : List<Ratin...
- countri... : List<Country>
- instan... : WineAd...

constructors

methods
- + getInstan... ( ) : WineAd...
- + setCountries (countri... List<Country>) : void
- + removeWineByNa... (wineNa... String) : boole...
- + removeWi... (wine : Wine) : void
- + getCountryByNa... (countryNa... String) : Country
- + addCoun... (count... Country) : void
- + addWineObj... (wine : Wine) : void
- + addWi... (jsonObje... JSONObj...) : void
- + getAllWi... ( ) : List<Wine>
- + getCountryL... ( ) : List<Country>
- + setWineAndCountr... (wineAndCountri... List<Country>) : void
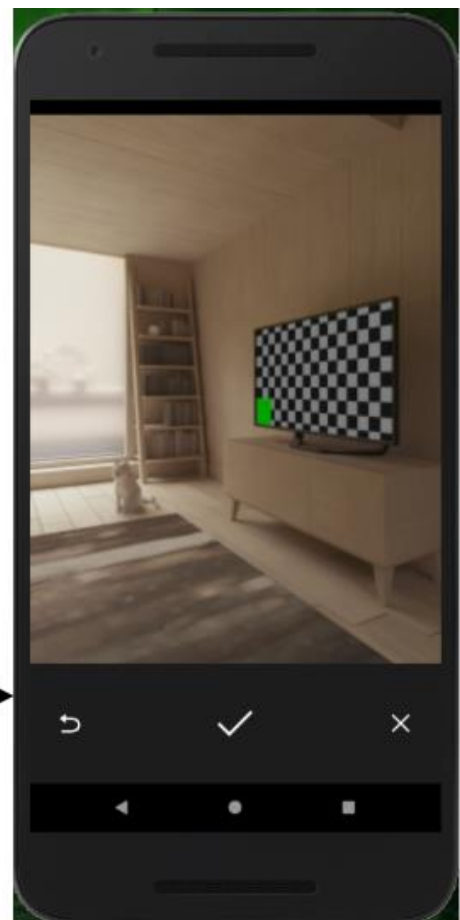- + getWinesOfACoun... (countryNa... String) : List<Wine>
- + getWineByNa... (wineNa... String) : Wine
- + setInstance (instan... WineAd...) : void
- + genRati... ( ) : ArrayList<Ratin...
- + getAverageRati... ( ) : fl...
- + newRati... (ratingB... Rating...) : void
- + addRati... (rati... Rati...) : void
- + getNumberOfRati... ( ) : int
- + roundToH... (x : fl...) : fl...
- + toStri... ( ) : String

+ Rating

fields
- rating : fl...

constructors
- + Rati... (rati... fl...)
- + Rati... (ratingB... Rating...)

methods
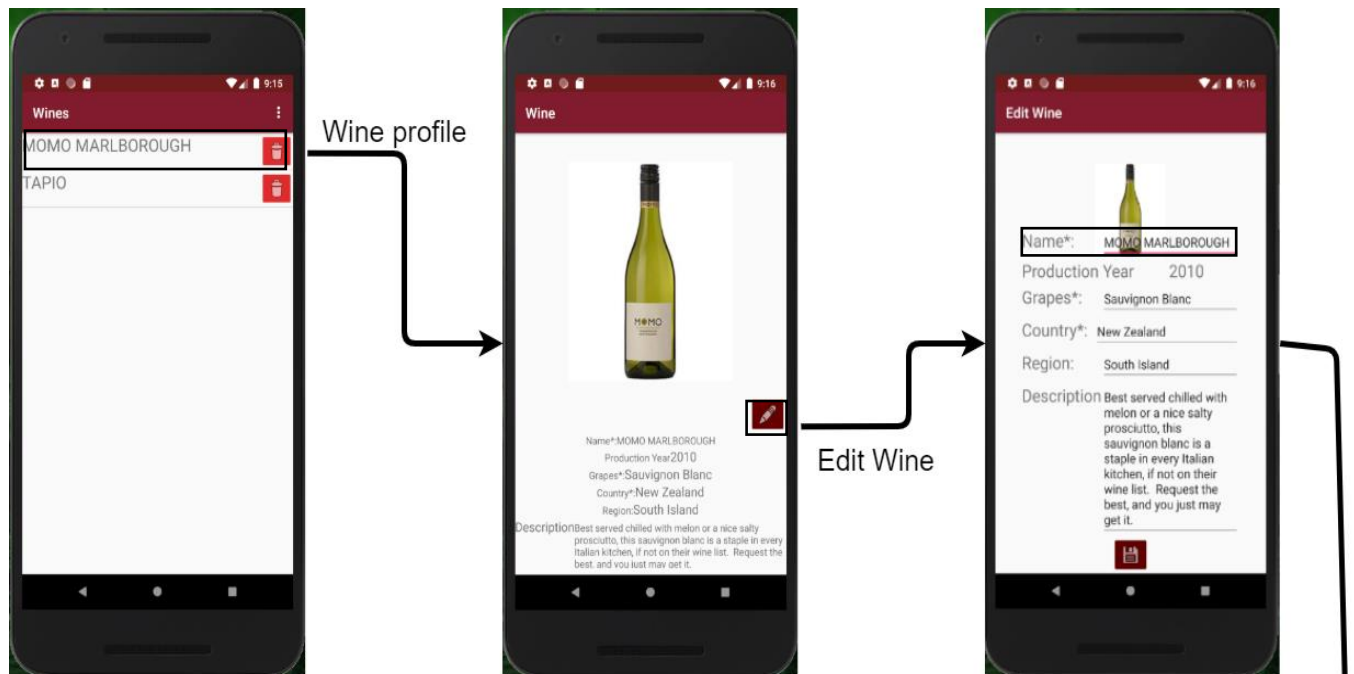- + getRati... ( ) : dou...

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+ Wine

fields
- name : String
- year : int
- grapes : String
- coun... : String
- regi... : String
- descripti... : String
- pict... : String

constructors
- + Wine (na... String, year : int, grapes : String, count... String, regi... String, descripti... String, pictu... String)
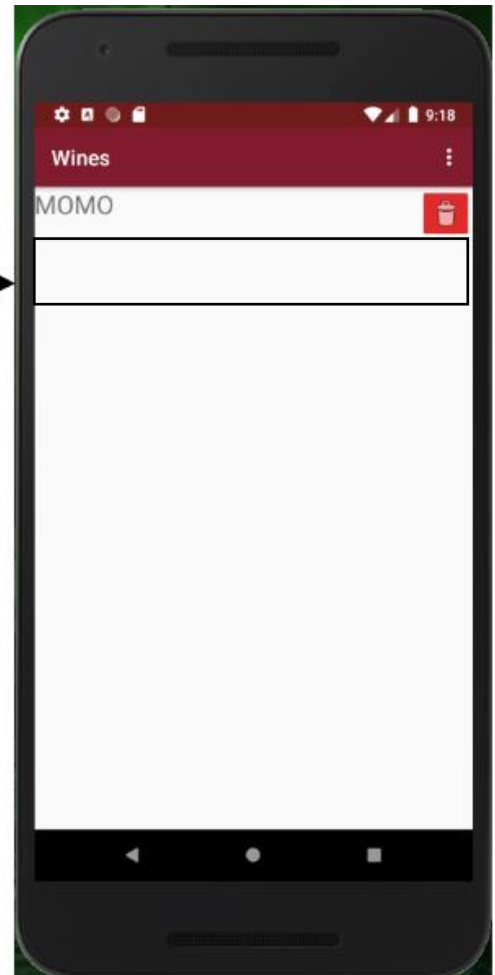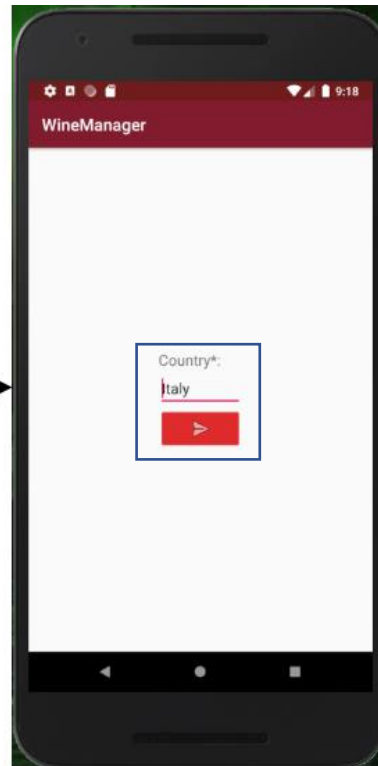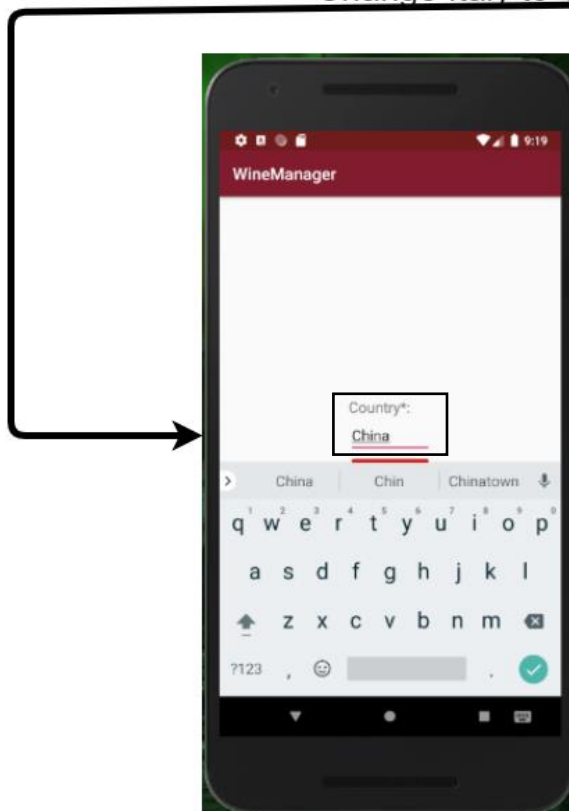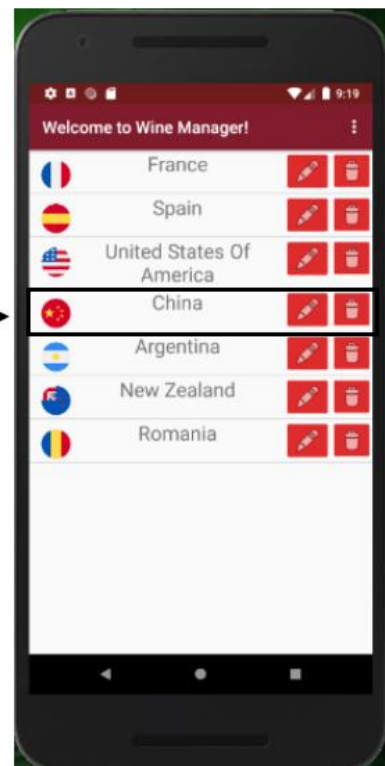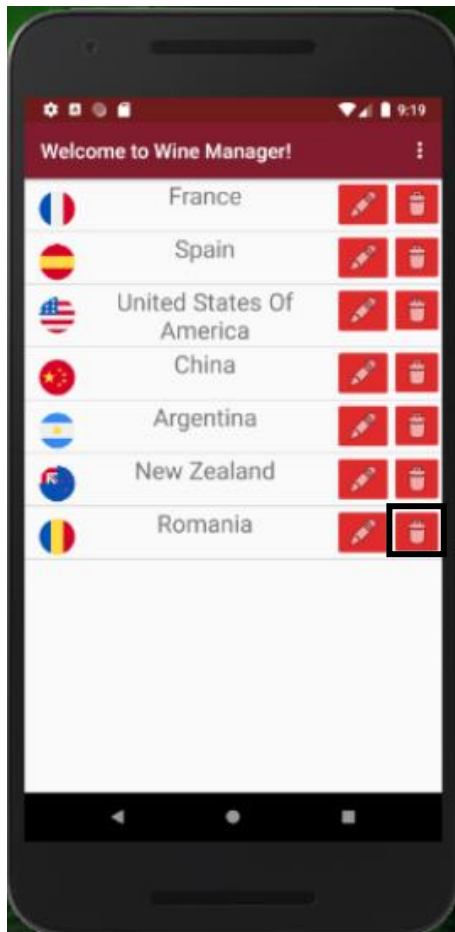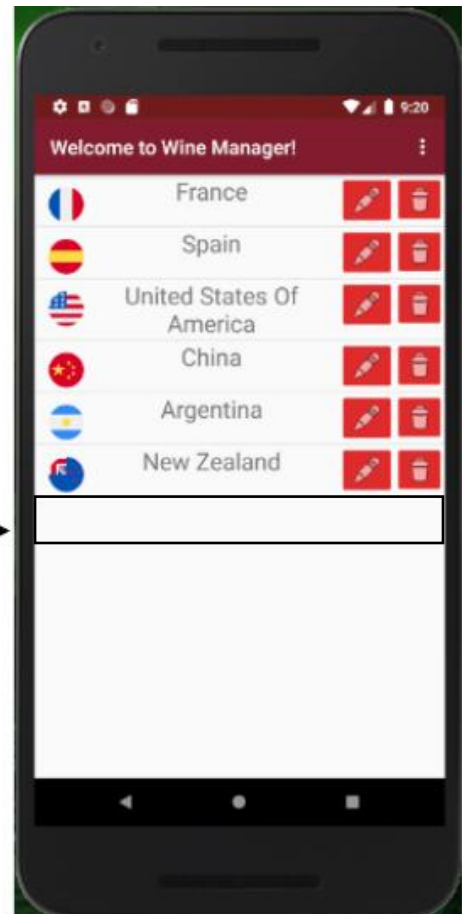- + Wine (jsonObje... JSONObj...)

methods
- + toStri... ( ) : String
- + getNa... ( ) : String
- + setName (na... String) : void
- + getYear ( ) : int
- + setYear (year : int) : void
- + getGrapes ( ) : String
- + setGrapes (grapes : String) : void
- + getCoun... ( ) : String
- + getRegi... ( ) : String
- + setCountry (count... String) : void
- + setRegion (regi... String) : void
- + getDescripti... ( ) : String
- + setDescripti... (descripti... String) : void
- + getPict... ( ) : String
- + setPict... (pictu... String) : void

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+ Country

fields
- countryNa... : String
- wineList : List<Wine>

constructors
- + Country (countryNa... String)

methods
- + addWi... (wine : Wine) : void
- + isHere (wine : Wine) : boole...
- + setCountryName (countryNa... String) : void
- + addWineCoun... (wine : Wine) : void
- + getCountryNa... ( ) : String
- + getWineL... ( ) : List<Wine>
- + setWineList (wineLi... List<Wine>) : void
- + toStri... ( ) : String