WISEACRE WINES

BY ZACHARY REGELSKI
CS441 ANDROID SEMESTER PROJECT
OLD DOMINION UNIVERSITY
TEAM QUACK
FALL 2014
Create a wine palate
  - Give suggestions
  - Document your specific tastes

Store opinions, no wine re-treading

Scan wines at the store to discover which wines you’d like to try
MOTIVATION

- Love to try new things
- Cannot keep track of all of them
- Cannot always remember the things that I would like to try again
COMPONENTS

- Wine Stock Database and Algorithm
- Personal Analysis
- Opinion Storage
- Barcode Reader
- JSON tag reader
SCENARIO

- At the store, looking for new wines to try
- Check your palate for recommendations
- Check your database not to retry wines
- Check database to pick one you previously enjoyed
- Scan a wine you’re not sure about to get personalized results
MAIN MENU
- Give user a “Best Fit” wine
- List other recommendations for branching out
- List opinion statistics
- Give user their feedback on their specific tastes

Your favorite type of wine MIGHT be: nebbiolo
You also might want to try these wines: cabernetsauvignon chardonnay gamay nebbiolo

- Number of wine reviews: 0
- Number of different brands tried: 1
- Most tried brand: "regelski" at 1000 tries.
- Number of different wine types tried: 1
- Most tried wine type: "pinot noir" at 1000 tries.

Average ranking of Sweetness:
Your preferred Sweetness: 10.2

Average ranking of Acidity:
Your preferred Acidity: 10.2

Average ranking of Tannins:
Your preferred Tannins: 10.2

Average ranking of Frutiness:
Your preferred Frutiness: 10.2

Average ranking of Body:
Your preferred Body: 10.2

Highest tried brand: regelski at 1000 times.

Brand: regelski
Count: 1000
Overall: 5559
ADD OPINION

- Input fields for user preference
  - Brand
  - Type
  - Opinions
    - Sweetness
    - Acidity
    - Tannins
    - Fruit
    - Body
- Other comments
- Buttons: save entry
ADD OPINION

Input fields for user preference
- Brand
- Type
- Opinions
  - Sweetness
  - Acidity
  - Tannins
  - Fruit
  - Body
- Other comments
- Buttons: save entry
- 3View Opinion Database
- Display alphabetized list of user wines
- All the user opinion entries from AddOpinion
- Buttons: Modify, Delete
- Barcode Reader
- Opens up camera, scans for barcode
- Finds barcode, searches online and in User preference.
- If in user preference, uses that entry, else finds the entry from online and displays it.
- Camera spots a bottle of wine
- About to read the barcode
- Any barcode works, but the app will not do anything with Goldfish or a book
Just a small wait, depending on Internet connection and phone capability
Results

Acquired data about the item

Analysis

This wine scores a 45.99999999999986 for your preferences. Hmm... I'm not sure this wine is a right fit for you. Try at your own risk!
- So that users understand the criteria
- Can become smarter about their wine choices
- Keep more accurate records
- The better the records, the more the app can help you
ABOUT ME

This app was developed by ZACHARY REGELSKI for an OLD DOMINION UNIVERSITY CLASS CS441 ANDROID DEVELOPMENT FALL 2014

The Barcode results are via a website named OUTPAN, and they can be visited at http://www.outpan.com/index.php
ASSIGNMENT

- Main – Regelski
- Palate – Regelski
- Opinion Database – Regelski
- Barcode Reader – Regelski
- Team Members - Regelski
LESSON LEARNED

- Java
- Android/XML
- HTTPClient and AsyncTask
- JSON/API Parsing
- Using the Camera/Phone Resource
FUTURE WORK

- More Polish
- More scientific data for the algorithm
- A full search function for any wine
- A shared database with other linked users