CS-373 IDB Technical Report: Group 12
Phase 1

Members:

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Website

wineworld.me

GitLab Repository

https://gitlab.com/rparappuram/cs373-idb-12

Overview/Motivation:

WineWorld is an innovative platform that provides a comprehensive guide to the world of wine, vineyards, and wine regions. Our goal is to empower wine enthusiasts, from beginners to experts, to explore and deepen their understanding of this fascinating industry. With a focus on civic engagement, WineWorld also seeks to connect wine lovers with the wine community and promote their involvement in supporting the industry. Our platform provides information about different wines, vineyards, and wine regions, as well as resources for learning more about wine appreciation and tasting.

Challenges:

When working on the build files, setting up the file to enable the GitLab CI/CD was a little tricky. The primary challenge was trying to understand what was being run and how things were working together. For example, the documentation for caching was a bit unclear in regards to where caching was happening, so in order to understand, we made multiple jobs and executed commands to show the files in a directory. This helped us figure out that the folder we wanted cached was indeed being cached for other jobs to utilize.

User stories:

Written by WineWorld for ParkScape:

1. **Filter cities based on money range** - I'm traveling to California next month with my family of six and am unsure about which cities to visit. We're limited on money but are

still interested in traveling for my children. I think it would be easier for us to use your site if I could filter cities based on a certain range of money it may cost to go to that city.

2. **Language support** – Hello, I am a foreigner from France planning on visiting America. I would like to use your website to plan my visit around New York and Florida, but my English is not very good. Are there plans to provide language support for languages that is not English like French?

3. **City accessibility for disabilities** – Hi, I have a disability that affects my movement and stumbled upon your site while looking for travel planning apps. I'm in need of an app that could tell me some sort of idea of how accessible cities are for people like me. Is that something that you guys are planning to implement or could implement?

4. **Park image** – I'm a visual learner and want to learn more about specific parks. I'd love to see an image of the parks that are available on your website. It'll give me more insight into the parks I'm considering traveling to.

5. **Airport ratings** – I'm a frequent flier and want to make sure that I go to the best airport. I'd like to see ratings on your website of the best airports so I know which ones I should chose.

<u>Written by ParkDex for WineWorld:</u>

Preface: Although we gave ParkDex the "Reporter" role in our repository several days before the due date for Phase 1, the user stories were only given to us on 2/15/2023 – the due date for Phase 1. As a result, we were not able to implement all the requests.

1. **Search by country** – Howdy! I'm from Texas, and I'm really into wine. I want to expand my tastes worldwide! Is there a way I can search for wines by country?
   a. Yes! There is currently no way to search for wines by country in this phase; however, this is a planned feature in the future. Many wines are from all around the world: United States, France, Canada, Portugal, etc. We fully expect wine connoisseurs to want to find wines local to their country or filter for a particular wine making region.

2. **Sort/Information about wine-making techniques** – Hi, I'm a user who's really into self-sustainability. I'm solely interested in wine-making techniques, so that way I won't have to buy from BIG-WINE companies. How would I go about getting information about wine-making techniques?
   a. While there are currently no plans to obtain wine-making technique information for an individual bottle of wine, it certainly is possible to find this information using wineworld.me. First, you can find the region for your wine on its wine web page. Second, you can search for that region on the region

page, then click on nearby attractions' web URLs to learn more about their specific inventory.

3. **New user experience** - Greetings, I am a user who has no self-control and I want to IMPULSE BUY the latest thing I see on my social media feeds. The current trend: WINE. There's so many different types of wine, is there a way you can have a display of recommended wines for people new to wines?
    a. Yes! Our wines and vineyards will automatically display the best and most relevant wines and vineyards to your search. You can further filter wine regions by tags (such as business or couples) and click on the instance pages to see related wines linked below that suit those occasions.

4. **Nearby vineyards by city** - Hi, my mother is visiting Austin and she is DEMANDING that we spend "family" time together. She is a high-functioning wine connoisseur. Can I search for vineyards near Austin, if not in the state of Texas?
    a. We currently do not have searching by city implemented or on our vision board, but upon your request, we shall add it in an upcoming phase. Thank you for the suggestion! For the time being, we do currently plan on implementing searching by country. While the scope is certainly larger, results are automatically filtered to provide the best and most relevant search results.

5. **Sort ascending/descending** - Hey, I'm a college student that likes to window shop things I can never afford (I like to dream). I like to browse the most expensive, highly rated wines on the market. Can I sort by ascending/descending order on your website?
    a. We currently do not have prices associated with our bottles of wines as we do not sell them for retail purchase. You can, however, sort by ratings and number of reviews. This combination is sure to find you a highly rated and reviewed wine that will make you feel expensive and extravagant, inside and out.

RESTful API:

We used Postman to document our API. Below is the link to access our API documentation:
https://documenter.getpostman.com/view/21507814/2s93CEvGRv

Models:

Model	Searchables	Sorts/Filters	Media
Wines	• name	• name • country • winery	• bottle image • grid card to this wine's region

		• rating • # reviews • type	
Vineyards	• name	• name • country • price • rating • review count	• cover photo • grid cards for popular wines and regions in this vineyard's country
Wine Regions	• name	• name • country • rating • review count • tags (stuff the region has - e.g. "Sights & Landmarks", "Food & Drink") • trip types (what kinds of trips this region would be good for - e.g. "Business", "Couples")	• web url to attractions in this region • grid cards for popular wines and vineyards in this region

Wines: WineWorld's wine model showcases comprehensive information about each wine, including the winery that produced it, the type of wine, average rating based on reviews, and its location. This planned model includes media such as a bottle image and a grid card linking to the wine's region.

Vineyards: The vineyard model on WineWorld presents information about each vineyard, including its name, price level, rating based on reviews, and the country it is located in. This planned model will be accompanied by media such as a cover photo and a display of the vineyard's popular wines and grid cards for regions in the same country.

Regions: WineWorld's region model provides comprehensive information about different wine regions, including the region's name, country, rating based on reviews, and various tags and trip types that are filterable based on what the region is known for. This model will also include a map and grid cards showcasing popular wines and vineyards in the region.

Tools:

React: develop frontend

React-Bootstrap: add styling to frontend

NameCheap: purchase wineworld.me

AWS Amplify: host & deploy app

AWS Route53: routing AWS Amplify app to domain

Visual Studio code: code editor

Teams: virtual meeting platform

GitLab: version source control

Postman: create API documentation

Node Package Manager (NPM): install node modules to ease frontend development

Data Sources:

- Wines: https://sampleapis.com/api-list/wines
- Vineyards: https://fusion.yelp.com/
- Regions: https://tripadvisor-content-api.readme.io/reference/overview

Hosting:

We secured the domain name using NameCheap, and we use AWS Amplify & Route53 to connect the domain with the pages served by AWS.