

Here's the PDF-styled string you requested:

Grab and Untappd Beer Tracker

Track beer ratings and reviews while ordering rides with Grab.

Features:

- + Track beer ratings and reviews from Untappd
- + Order rides using Grab's API
- + View beer lists and search for specific beers
- + Filter by rating, brewery, or style

Technical Requirements:

Grab API:

- + Sign up for a developer account at <https://developer.grab.com/>
- + Register your application and obtain an API key
- + Use the Grab API to order rides and track user activity

Untappd API:

- + Sign up for a developer account at <https://untappd.com/api/docs>
- + Register your application and obtain an API key
- + Use the Untappd API to fetch beer ratings and reviews

Project Structure:

To get started, let's create a basic project structure. We'll need the following Java files:

1. `BeerTracker.java` (main class)
2. `GrabAPI.java` (handling Grab API requests)
3. `UntappdAPI.java` (handling Untappd API requests)
4. `Beer.java` (representing individual beers)
5. `Ride.java` (representing individual rides ordered through Grab)
6. `Main.java` (driver class to test the application)

Here's a rough outline of how these files could be structured:

* `BeerTracker.java`: This will be our main class, responsible for coordinating API requests and storing data.

* `GrabAPI.java`: This will handle all interactions with the Grab API, including authentication and ride ordering.

* `UntappdAPI.java`: This will handle all interactions with the Untappd API, including fetching beer ratings and reviews.

* `Beer.java`: This will represent individual beers, with attributes like name, brewery, rating, etc.

* `Ride.java`: This will represent individual rides ordered through Grab, with attributes like ride ID, pickup/dropoff locations, etc.

* `Main.java`: This will be our driver class to test the application.

Starting Point:

Here's a starting point for each Java file:

`BeerTracker.java`:

```java

```
public class BeerTracker {

 // Initialize Grab and Untappd API instances

 private GrabAPI grabAPI;

 private UntappdAPI untappdAPI;

 public BeerTracker() {

 grabAPI = new GrabAPI("YOUR_GRAB_API_KEY");

 untappdAPI = new UntappdAPI("YOUR_UNTAPPD_API_KEY");

 }

 // Method to order a ride through Grab

 public void orderRide(String pickupLocation, String dropoffLocation) {

 // Call Grab API to order ride

 grabAPI.orderRide(pickupLocation, dropoffLocation);

 }

 // Method to fetch beer ratings and reviews from Untappd

 public List<Beer> getBeerList() {

 // Call Untappd API to fetch beer list
```

```

List<UntappdBeer> untappdBrews = untappdAPI.getBeers();

List<Beer> beers = new ArrayList<>();

for (UntappdBeer brew : untappdBrews) {

 Beer beer = new Beer(brew.getName(), brew.getBrewery());

 // Add ratings and reviews to the Beer object

 beer.setRating(brew.getRating());

 beer.addReview(brew.getReviews().get(0).getText());

 beers.add(beer);

}

return beers;

}

}

...

`GrabAPI.java`:

```java

public class GrabAPI {

    private String apiKey;

    public GrabAPI(String apiKey) {

```

```

    this.apiKey = apiKey;

}

// Method to order a ride through Grab

public void orderRide(String pickupLocation, String dropoffLocation) {

    // Call Grab API endpoint to order ride

    // ...

}

}

...

```

`UntappdAPI.java`:

```

```java

public class UntappdAPI {

 private String apiKey;

 public UntappdAPI(String apiKey) {

 this.apiKey = apiKey;

 }

 // Method to fetch beer list from Untappd

 public List<UntappdBeer> getBeers() {

 // Call Untappd API endpoint to fetch beer list
 }
}

```

```
// ...

}

}

...
```

`Beer.java`:

```
```java
```

```
public class Beer {  
  
    private String name;  
  
    private String brewery;  
  
    private double rating;  
  
    private List<String> reviews;  
  
    public Beer(String name, String brewery) {  
  
        this.name = name;  
  
        this.brewery = brewery;  
  
        this.rating = 0.0;  
  
        this.reviews = new ArrayList<>();  
  
    }  
  
    // Getters and setters for attributes  
  
}  
  
...
```

`Ride.java`:

```java

```
public class Ride {

 private String rideID;

 private Location pickupLocation;

 private Location dropoffLocation;

 public Ride(String rideID, Location pickupLocation, Location dropoffLocation) {

 this.rideID = rideID;

 this.pickupLocation = pickupLocation;

 this.dropoffLocation = dropoffLocation;

 }

 // Getters and setters for attributes

}
```

```

`Main.java`:

```java

```
public class Main {

 public static void main(String[] args) {

 BeerTracker beerTracker = new BeerTracker();
```

```

List<Beer> beers = beerTracker.getBeerList();

for (Beer beer : beers) {

 System.out.println("Beer: " + beer.getName() + ", Brewery: " + beer.getBrewery());

 System.out.println("Rating: " + beer.getRating());

 System.out.println("Reviews:");

 for (String review : beer.getReviews()) {

 System.out.println(review);

 }

}

// Test ordering a ride through Grab

beerTracker.orderRide("pickup_location", "dropoff_location");

}

}

...

```

This should give you a good starting point to work with. Let me know if you have any questions or need further assistance!