Department of Computer Science

COS 101 Java Project

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Sip Safari

Project vision:

Sip Safari is an all-inclusive wine tasting booking system where users can book and pay for themselves or as groups for wine tastings, lunch, dinner, and tours of the Cape Town wine farm. The wine farm will be able to see and manage all bookings made, in case of an emergency, and prepare accordingly for guests. Users that book evening tastings/tours can book rooms when they arrive should they wish to spend the night in the magical farm.

Stakeholders:

Stake holders include:

* Wineries and vineyards
* Wine tour operators
* Event organisers
* Wine experts and sommeliers
* Payment gateway providers
* Business owners
* Local tourism boards
* Customers

Scrum team:

Product owner: Mueen Dawood

Scrum Master: Mueen Dawood

Development team: Mueen Dawood

Product backlog:

1. User Registration and Authentication

- Allow customers to register and create accounts

- Implement secure authentication and password reset functionality

2. Wine Tour Listings

- Display a list of available wine tours and experiences

- Include tour details, such as location, duration, and price

- Allow users to filter and search tours based on various criteria (e.g., location, date, type)

3. Booking Management

- Enable users to book wine tours and events

- Handle conflicts and prevent double bookings

- Send confirmation emails with booking details

4. Availability Calendar

- Provide a calendar view to show tour availability

- Allow wineries to update their tour schedules

5. Payment Integration

- Integrate with a secure payment gateway to process online payments

- Support multiple payment methods (credit cards, digital wallets, etc.)

6. Reviews and Ratings

- Enable customers to leave reviews and ratings for wine tours

- Display average ratings and reviews on tour listings

7. User Profiles

- Allow users to view and edit their profiles

- Include booking history and favourite tours

8. Admin Panel

- Create an admin panel for wineries and tour operators

- Allow them to manage their tour listings, availability, and bookings

9. Waitlist Feature

- Implement a waitlist option for fully booked tours

- Notify customers when spots become available due to cancellations

10. Discounts and Promotions

- Allow wineries to offer discounts and promotions on specific tours or events

- Implement coupon code functionality

11. Email Notifications

- Set up automated email notifications for booking confirmations, reminders, and cancellations

12. Multi-language Support

- Provide support for multiple languages to cater to international customers

13. Mobile-Friendly Interface

- Ensure the system is responsive and user-friendly on various devices

14. Reporting and Analytics

- Generate reports on bookings, sales, and customer feedback

- Provide analytics to help wineries make data-driven decisions

15. Integration with External Platforms

- Integrate with social media platforms for easy sharing and marketing

- Connect with review sites to showcase positive feedback

GitHub Page: <https://github.com/Ghost-3342/COS101-Java-Project>