CSE248 Final Project   **Owlz – A Nightlife Application**

"If you're out at owl hours, you need owlz!"

Project Description

Owlz is an application dedicated to the nightlife industry by connecting customers and establishments in a given geographic area. It aims to allow customers to search for venues and events, and reserve and purchase tickets for such of their choice. Owlz also aims to help establishments to advertise and organize their events, and further manage their business such as employees, inventories, and financial positions.

Here are some links for such an application called EZVip:

https://www.youtube.com/watch?v=etIfBk7Iu0k
https://www.youtube.com/watch?v=AlawZfCJzSE
http://gazettereview.com/2016/05/ezvip-shark-tank-recent-update/

It would be great if you could create your application based on the videos. But as your final project, you should at least complete the features listed below before the last week of the semester. You should also send me a weekly Burndown chart to show your progress.

It is strongly recommended to take on the project as a group up to four people. If you'd like to form a group but have not found enough people at this time, please feel free to send me an email so I can match you with people who are in the same situation.

Features (Also known as use cases, or user stories) needed:

It should allow establishments to:
1. Enroll and register
2. Create a profile with the address searchable through its zip code
3. Enter upcoming events
4. Allow customers to reserve tickets and tables
5. Sell tickets and tables
6. Allow customers to cancel or return tickets or tables
7. Keep ticket and table inventory in real-time
8. Maintain financial information such as sales, revenue, cost of goods sold, sale tax collected
9. Keep customers/invoices/transactions history and make them searchable
10. Make event recommendations based on each customer's transaction history and profile.
11. Enter employee records such as positions, salary, payment (if temp or contractual), hires and fires

It should allow customers to:
1. Enroll and register
2. Create a profile with entertainment tastes, birthday, phone number, and address with zip code
3. Search for upcoming events near a given address (by zip code) at a given date and time
4. Reserve tickets / tables at a venue of choice
5. Buy tickets / tables with credit card or debit card information
6. Cancel / return tickets / tables with refunds
7. View ticket and table inventory in real-time
8. View transaction invoices and/or reservation information
9. Search his/her own transaction history at a given venue