

AS Capstone Project Proposal

Spring 2020

Project Name: Beer Tour Tracker

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Project Description

“Beer Tours” are a current trend in which a bar will ask participants to drink a variety of beers for a prize. I am proposing a dynamic web site to digitize the tracking process and replace the use of punch-card or charts. The main concept is that an event organizer will create a “tour” of required drinks (by brewery, beer style, or individual beers), and the website will track and manage the participants’ progress. As the participant theoretically orders the beer, the bartender will give them a four-digit code to enter, and the website will then compare the corresponding beer to the event requirements.

The website will have two different user categories; administrators (event organizers) and users. Administrators will be able to enter new beer information, create a new event with corresponding required drinks, and also remove users. Users will be able to select an event to participate in and enter beer codes to track their progress. As the world becomes more digitized the service industry follows suit. The “Beer Tour Tracker” I am proposing aims to digitize this current trend

Given the time period allotted for the project, I will begin to develop the back-end of the site: a page to list the event and details, as well as a page for creating a new event.

Functionality

- Secure login for both users and administrators of the site.
- Log when each user logs on. Log both successful and unsuccessful login attempts
- Administrators can:
 - Add/Edit/Delete/Search users
 - Add/Edit/Delete/Search events
 - Add/Edit/Delete/Search drinks
 - Assign rights for each user on each group
 - View login attempts
- Non-admin users can
 - View/Search for both past and future events
 - Enter 4-digit code to record progress for event
 - If the event requires a brewery or style, view a list of beers that would fit the criteriam

Development Platform

The site will coded in PHP and Javascript, using MySQL as the DBMS. Hosting PHP sites is typically cheaper than ColdFusion or ASP.Net sites. Javascript will allow me to create dynamic input forms used to create the events. The site will initially be hosted on ict.neit.edu.