

Product Requirements Document (PRD): Beer Web App

1. Goal

The goal of the **Beer Web App** is to create a fun, community-driven platform for users to log and share the beers they drink, fostering friendly competition and creating a personal digital journal of their experiences.

2. Features & Detailed Requirements

2.1 Authentication and User Management

This system must ensure secure and personal access for each user.

Feature	Requirement	Details
Simple Authentication	Users must be able to sign in using a Username and Password .	A session cookie or token must be created upon successful sign-in to maintain the user's logged-in state.
User Profile Data	The system must record and display a user's Name as part of their profile upon account creation.	The Name should be used for display purposes (e.g., on the Leaderboard).
A. Create Account Flow	A dedicated page for new users to register.	Required Fields: Username, Password (with confirmation), Name. Action: Submitting the form successfully creates the account and signs the user in.
B. Forgot Password Flow	A mechanism for users to reset their password if forgotten.	Process: User provides their Username (or email, if implemented). The system sends a secure link/code to the associated recovery method (e.g., email) to allow password reset.

2.2 Core Application Pages (Logged-In Functionality)

All of the following features require the user to be signed in and should be accessible via distinct pages/views.

2.2.1 Post a Beer

This page allows the user to record a new beer entry. The entries must persist across sessions in a database.

Element	Requirement	Details
Picture Upload	Users must be able to upload a single image of the beer.	The system should support standard image formats (JPEG, PNG).
Note/Description	A multi-line text box must be available for users to add a descriptive note about the beer.	Character limit to be determined (TBD).
Metadata Capture (Automatic)	The system must automatically capture and store the following metadata with the post:	* Date and Time of Submission: Timestamp of when the post was created. * Submitting Account: The unique ID of the user who created the post.

2.2.2 View My Beers

This page displays the user's personal history of beer entries.

Element	Requirement	Details
Data Presentation	Entries must be displayed in a Table format.	Each row should contain the Picture , the Note , and the Date/Time of the post.
Sorting	The table must be sorted by Date , with the most recent entry at the top (descending chronological order).	
Entry Management	The user must be able to Delete any of their own entries directly from this table.	A confirmation prompt should be required before final deletion.

2.2.3 View All Beers

This page displays the communal history of all beer entries across all users.

Element	Requirement	Details
Data Presentation	Entries must be displayed in a Table format.	Each row should contain the Picture , the Note , the Date/Time , and the Name of the account member who submitted it.
Entry Management	Users must not be able to delete any entries on this page.	This view is read-only for community content.

2.2.4 Leaderboard

This page visualizes user activity to promote friendly competition.

Element	Requirement	Details
Visualization	Data must be presented as a Line Chart .	Each unique user should be represented by a distinct line on the chart.
Y-Axis	Represents the Total Drinks (cumulative number of posts).	
X-Axis	Represents Time in Months .	The chart should show the cumulative number of drinks for each user over the application's history, segmented by month.
Purpose	The chart must clearly demonstrate who has posted the most beers over time.	