
CS 148: Database Design for the Web

Emily Bates

Assignment 10: Final Project

Bottoms Up

Version <1.0>

Bottoms Up	Version <1.0>
	Date: 12/1/14

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Time Log			
Estimated time to complete assignment =>			50 Hours
Date	Time Spent (in hours)	Description	Author
11/22/14	1.0	Planning assignment	Emily Bates
11/24/14	1.0	Starting project specs doc	Emily Bates
11/24/14	0.5	Starting style sheet	Emily Bates
11/25/14	1	Header, about page	Emily Bates
11/25/14	6	Index page	Emily Bates
11/25/14	1	Starting signup form	Emily Bates
11/26/14	5	Signup form – building and troubleshooting	Emily Bates
11/28/14	3	Finishing signup form, building feedback form	Emily Bates
11/29/14	0.5	Tweaking style sheet	Emily Bates
11/29/14	4	Login page	Emily Bates
11/30/14	1	Admin page, starting adminAdmin.php	Emily Bates
11/30/14	5	Working on adminAdmin	Emily Bates
11/30/14	3	Still trying to make adminAdmin work	Emily Bates
12/1/14	1	More work on adminAdmin	Emily Bates
12/1/14	2	Reorganizing/commenting	Emily Bates
12/1/14	1.5	Finishing project specs doc	Emily Bates
12/1/14	2	Validating/editing everything	Emily Bates
	38.5 hours	<=Total Time Spent	

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Introduction

Purpose and Scope

The purpose of this document is to describe the requirement specification for the web site “Bottoms Up”. The intended audience for this document is the grader of this assignment and any users who wish to learn more information on the organization and development of the site.

This document will explain the layout of the website and backend of the database, along with any necessary additional information, such as term definitions and the database schema.

Definitions, Acronyms, and Abbreviations

HTML – Hypertext markup language – used to define your content.

PHP – Personal Home Page – language that helps to customize html.

CSS – Cascading Style Sheets – used to define the look of a web site.

W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

<http://jigsaw.w3.org/css-validator/>

Notes for the grader:

Admin username: elbates

Admin password: password

GitHub repository: <https://github.com/embates802/assignment10>

Overview

Bottoms Up is a website devoted to alcoholic beverage recipes. Users can select one alcoholic beverage and one non-alcoholic beverage, and they will be provided a list of possible beverages they can mix from those starting ingredients.

Overall Description

The main page of the Bottoms Up website presents the user with two drop-down lists: alcoholic beverage and non-alcoholic beverage. The user can make their selection and then click the “Bottoms Up” button to be presented with a possible cocktail they can make from those two ingredients. The results will show the user the ingredients in the cocktail, any special instructions, and a photo of the drink.

The Bottoms Up website also offers their users a newsletter service – visitors of the page can sign up to receive a weekly Drink Specials email with featured recipes, party-hosting tips, or drinking game ideas. A second page gives users a form to fill

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out their name, address, email, and phone number and select what they would like in their newsletter from a series of radio buttons.

Users can also submit anonymous feedback on the website: a rating (scale 1-5) and a short write-up.

Users can gain access to a Modify Database menu by logging in to the site with administrator credentials. Users will be given the option to view, add, change, or delete admins from the site.

Data Dictionary

Admin username

Admin password

User first name

User last name

Email address

Address

Phone number

Newsletter preferences

Alcoholic beverage name

Alcoholic beverage ID

Non-alcoholic beverage name

Non-alcoholic beverage ID

Cocktail name

Cocktail ID

Cocktail recipe

Cocktail calories

Special instructions

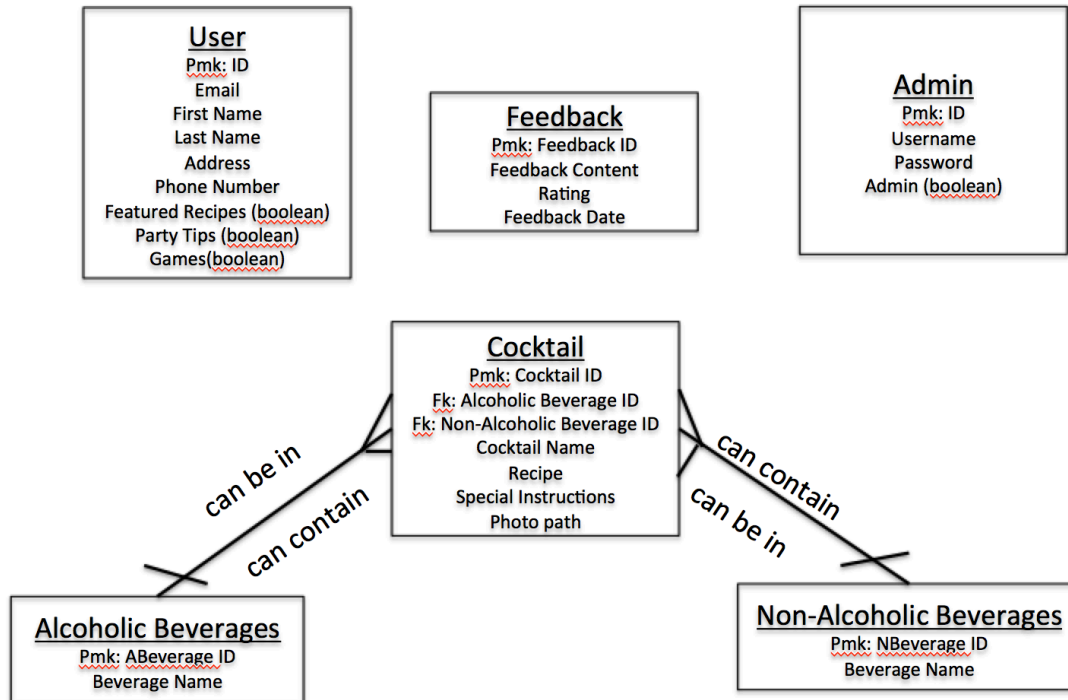
Feedback ID

Feedback content

Feedback date

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Entity Relationship Diagram



Schema

Schema of BOTTOMS_UP database exported via phpMyAdmin:

```

-- phpMyAdmin SQL Dump
-- version 4.2.9
-- http://www.phpmyadmin.net
--
-- Host: webdb.uvm.edu
-- Generation Time: Dec 03, 2014 at 08:31 AM
-- Server version: 5.5.40-36.1-log
-- PHP Version: 5.3.3

```

```

SET FOREIGN_KEY_CHECKS=0;
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

```

```

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

```

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```

/!*40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS
*/;
/!*40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/!*40101 SET NAMES utf8 */;

```

```

--
-- Database: `ELBATES_BOTTOMS_UP`
--

```

```

-----

```

```

--
-- Table structure for table `tblAdmin`
--

```

```

CREATE TABLE IF NOT EXISTS `tblAdmin` (
  `pmkAdminID` int(11) unsigned NOT NULL,
  `fldUsername` varchar(30) NOT NULL,
  `fldPassword` varchar(20) NOT NULL,
  `fldAdmin` int(1) NOT NULL DEFAULT '0'
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8;

```

```

--
-- Dumping data for table `tblAdmin`
--

```

```

INSERT INTO `tblAdmin` (`pmkAdminID`, `fldUsername`, `fldPassword`, `fldAdmin`)
VALUES
(1, 'admin', 'password', 0),
(2, 'elbates', 'password', 1),
(3, 'sathurst', '71f8e7976e4cbc4561c9', 1),
(4, 'test', 'a94a8fe5ccb19ba61c4c', 0);

```

```

-----

```

```

--
-- Table structure for table `tblAlcoholicBeverages`
--

```

```

CREATE TABLE IF NOT EXISTS `tblAlcoholicBeverages` (
  `pmkABeverageID` int(5) unsigned NOT NULL,
  `fldABeverageName` varchar(25) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=11 DEFAULT CHARSET=utf8;

```

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```
--
-- Dumping data for table `tblAlcoholicBeverages`
--
```

```
INSERT INTO `tblAlcoholicBeverages` (`pmkABeverageID`, `fldABeverageName`)
VALUES
(1, 'Tequila'),
(2, 'Whiskey'),
(3, 'Gin'),
(4, 'Vodka'),
(5, 'Campari'),
(6, 'Becherovka'),
(7, 'Rum'),
(8, 'Pimm"s No 1'),
(9, 'Bourbon'),
(10, 'Vermouth');
```

```
-- -----
```

```
--
-- Table structure for table `tblCocktails`
--
```

```
CREATE TABLE IF NOT EXISTS `tblCocktails` (
  `pmkCocktailID` int(5) unsigned NOT NULL,
  `fnkABeverageID` int(5) unsigned NOT NULL,
  `fnkNBeverageID` int(5) unsigned NOT NULL,
  `fldCocktailName` varchar(25) NOT NULL,
  `fldRecipe` varchar(200) NOT NULL,
  `fldSpecialInstructions` varchar(200) DEFAULT NULL,
  `fldPhotoName` varchar(30) DEFAULT NULL
) ENGINE=InnoDB AUTO_INCREMENT=24 DEFAULT CHARSET=utf8;
```

```
--
-- Dumping data for table `tblCocktails`
--
```

```
INSERT INTO `tblCocktails` (`pmkCocktailID`, `fnkABeverageID`, `fnkNBeverageID`,
`fldCocktailName`, `fldRecipe`, `fldSpecialInstructions`, `fldPhotoName`) VALUES
(1, 1, 2, 'Paloma', '1-2 shots tequila<br>\r\nGrapefruit juice<br>\r\nSimple
syrup<br>\r\nGarnish with lime', 'none', 'photos/1.jpg'),
```


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(2, 2, 3, 'Highball', '1-2 shots whiskey
\r\nGinger ale
\r\nGarnish with lemon', 'none', 'photos/2.jpg'),
(3, 3, 4, 'Gimlet', '2 shots gin
\r\nLime juice
\r\nGarnish with lime', 'none', 'photos/3.jpg'),
(4, 4, 2, 'Greyhound', '1-2 shots vodka
\r\nGrapefruit juice
\r\nGarnish with salt on the rim', 'none', 'photos/4.jpg'),
(5, 2, 5, 'Seven & Seven', '1-2 shots whiskey
\r\n7-Up
\r\nGarnish with lime', 'This drink gets its name from Seagram's 7 Whiskey, which is the tastiest brand to use for this cocktail.', 'photos/5.jpg'),
(6, 3, 6, 'Gin & Tonic', '1-2 shots gin
\r\nTonic water
\r\nGarnish with lime', 'none', 'photos/6.jpg'),
(7, 5, 7, 'Campari & Soda', '2 shots Campari
\r\nSeltzer
\r\nGarnish with orange', 'none', 'photos/7.jpg'),
(8, 6, 6, 'Beton', '1-2 shots Becherovka
\r\nTonic water
\r\nGarnish with lemon', 'Becherovka is a spicy, unique Czech liquor - it might be hard to find, but this cocktail is worth the search!', 'photos/8.jpg'),
(9, 7, 8, 'Cuba Libre', '1-2 shots rum
\r\nCola
\r\nGarnish with lime', 'none', 'photos/9.jpg'),
(10, 8, 3, 'Pimm's Cup', '2 shots Pimm's No. 1
\r\nGinger ale
\r\nCucumber slice
\r\nLemon slice
\r\nGarnish with fresh mint', 'none', 'photos/10.jpg'),
(11, 4, 1, 'Screwdriver', '1-2 shots vodka
\r\nOrange juice
\r\nGarnish with orange', 'none', 'photos/11.jpg'),
(12, 3, 9, 'Gin & Ginger', '1-2 shots gin
\r\nGinger beer
\r\nGarnish with lime', 'none', 'photos/12.jpg'),
(13, 9, 11, 'Bourbon Tea', '1-2 shots bourbon
\r\nIced tea
\r\nGarnish with lemon', 'Sweet iced tea, like peach or mango, adds a little sweetness to this cocktail.', 'photos/13.jpg'),
(14, 7, 9, 'Dark & Stormy', '1-2 shots rum
\r\nGinger beer
\r\nGarnish with lime', 'none', 'photos/14.jpg'),
(15, 9, 10, 'Old Fashioned', '1-2 shots bourbon
\r\nBitters
\r\nPinch of sugar
\r\nGarnish with orange and cherry', 'none', 'photos/15.jpg'),
(16, 10, 10, 'Manhattan', '1-2 shots vermouth
\r\nBitters
\r\nRye
\r\nGarnish with maraschino cherry', 'none', 'photos/16.jpg'),
(17, 7, 4, 'Simple Daiquiri', '1-2 shots rum
\r\nLime juice
\r\nPinch of sugar
\r\nGarnish with lime', 'none', 'photos/17.jpg'),
(18, 4, 9, 'Moscow Mule', '1-2 shots vodka
\r\nGinger beer
\r\nGarnish with lime', 'none', 'photos/18.jpg'),
(19, 1, 1, 'Tequila Sunrise', '1-2 shots tequila
\r\nOrange juice
\r\nGrenadine (optional)
\r\nGarnish with orange', 'none', 'photos/19.jpg'),

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(20, 4, 12, 'Cape Cod', '1-2 shots vodka
\r\nCranberry juice
\r\nGarnish with lime', 'none', 'photos/20.jpg'),
(21, 4, 7, 'Vodka Soda', '1-2 shots vodka
\r\nSeltzer
\r\nGarnish with lime', 'none', 'photos/21.jpg');

-- -----

--
-- Table structure for table `tblFeedback`
--

```
CREATE TABLE IF NOT EXISTS `tblFeedback` (
  `pmkFeedbackID` int(100) unsigned NOT NULL,
  `fldFeedback` varchar(5000) NOT NULL,
  `fldRating` int(5) NOT NULL,
  `fldDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB AUTO_INCREMENT=7 DEFAULT CHARSET=utf8;
```

--
-- Dumping data for table `tblFeedback`
--

```
INSERT INTO `tblFeedback` (`pmkFeedbackID`, `fldFeedback`, `fldRating`, `fldDate`)
VALUES
(1, 'Great website', 0, '0000-00-00 00:00:00'),
(2, 'sfsdfsdfs', 3, '2012-02-14 05:00:00'),
(3, 'test', 5, '0000-00-00 00:00:00'),
(4, 'dfgdfg', 5, '0000-00-00 00:00:00'),
(5, 'sfsfgfgdf', 1, '2014-12-02 12:04:55'),
(6, 'I&#39;m thirsty after visiting this website.', 5, '2014-12-03 05:09:52');
```

-- -----

--
-- Table structure for table `tblNonalcoholicBeverages`
--

```
CREATE TABLE IF NOT EXISTS `tblNonalcoholicBeverages` (
  `pmkNBeverageID` int(5) unsigned NOT NULL,
  `fldNBeverageName` varchar(25) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=14 DEFAULT CHARSET=utf8;
```

--

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-- Dumping data for table `tblNonalcoholicBeverages`

--

```
INSERT INTO `tblNonalcoholicBeverages` (`pmkNBeverageID`,
`fldNBeverageName`) VALUES
(1, 'Orange Juice'),
(2, 'Grapefruit Juice'),
(3, 'Ginger Ale'),
(4, 'Lime Juice'),
(5, '7-Up'),
(6, 'Tonic Water'),
(7, 'Seltzer'),
(8, 'Cola'),
(9, 'Ginger Beer'),
(10, 'Bitters'),
(11, 'Iced Tea'),
(12, 'Cranberry Juice'),
(13, 'Lemonade');
```

--

-- Table structure for table `tblUser`

--

```
CREATE TABLE IF NOT EXISTS `tblUser` (
`pmkUserID` int(10) NOT NULL,
`fldEmail` varchar(30) NOT NULL,
`fldFirstName` varchar(20) NOT NULL,
`fldLastName` varchar(20) NOT NULL,
`fldAddress` varchar(50) DEFAULT NULL,
`fldCity` varchar(20) DEFAULT NULL,
`fldState` varchar(2) DEFAULT NULL,
`fldZip` varchar(5) DEFAULT NULL,
`fldPhoneNumber` varchar(12) DEFAULT NULL,
`fldFeatured` tinyint(1) DEFAULT '0',
`fldTips` tinyint(1) DEFAULT '0',
`fldLowCal` tinyint(1) DEFAULT '0'
) ENGINE=InnoDB AUTO_INCREMENT=19 DEFAULT CHARSET=utf8;
```

--

-- Dumping data for table `tblUser`

--

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```
INSERT INTO `tblUser` (`pmkUserID`, `fldEmail`, `fldFirstName`, `fldLastName`,
`fldAddress`, `fldCity`, `fldState`, `fldZip`, `fldPhoneNumber`, `fldFeatured`, `fldTips`,
`fldLowCal`) VALUES
(16, 'em21614@yahoo.com', 'Emily', 'Bates', '482 Golf Course Road', 'South
Burlington', 'Ve', '05403', '8023185451', 0, 0, 0),
(17, 'em21614@yahoo.com', 'Emily', 'Bates', '482 Golf Course Road', 'South
Burlington', 'Ve', '05403', '8023185451', 0, 0, 0),
(18, 'aesdfsdfs@aol.com', 'sdfsdf', 'sfsdf', 'sdfsdf', 'sdfsdf', 'sd', '23423', '802-333-
2090', 0, 0, 0);
```

```
--
```

```
-- Indexes for dumped tables
```

```
--
```

```
--
```

```
-- Indexes for table `tblAdmin`
```

```
--
```

```
ALTER TABLE `tblAdmin`
ADD PRIMARY KEY (`pmkAdminID`);
```

```
--
```

```
-- Indexes for table `tblAlcoholicBeverages`
```

```
--
```

```
ALTER TABLE `tblAlcoholicBeverages`
ADD PRIMARY KEY (`pmkABeverageID`);
```

```
--
```

```
-- Indexes for table `tblCocktails`
```

```
--
```

```
ALTER TABLE `tblCocktails`
ADD PRIMARY KEY (`pmkCocktailID`, `fnkABeverageID`, `fnkNBeverageID`), ADD
KEY `fnkABeverageID` (`fnkABeverageID`), ADD KEY `fnkNBeverageID`
(`fnkNBeverageID`);
```

```
--
```

```
-- Indexes for table `tblFeedback`
```

```
--
```

```
ALTER TABLE `tblFeedback`
ADD PRIMARY KEY (`pmkFeedbackID`);
```

```
--
```

```
-- Indexes for table `tblNonalcoholicBeverages`
```

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```
--
ALTER TABLE `tblNonalcoholicBeverages`
ADD PRIMARY KEY (`pmkNBeverageID`);

--
-- Indexes for table `tblUser`
--
ALTER TABLE `tblUser`
ADD PRIMARY KEY (`pmkUserID`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `tblAdmin`
--
ALTER TABLE `tblAdmin`
MODIFY `pmkAdminID` int(11) unsigned NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=5;

--
-- AUTO_INCREMENT for table `tblAlcoholicBeverages`
--
ALTER TABLE `tblAlcoholicBeverages`
MODIFY `pmkABeverageID` int(5) unsigned NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=11;

--
-- AUTO_INCREMENT for table `tblCocktails`
--
ALTER TABLE `tblCocktails`
MODIFY `pmkCocktailID` int(5) unsigned NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=24;

--
-- AUTO_INCREMENT for table `tblFeedback`
--
ALTER TABLE `tblFeedback`
MODIFY `pmkFeedbackID` int(100) unsigned NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=7;

--
-- AUTO_INCREMENT for table `tblNonalcoholicBeverages`
--
ALTER TABLE `tblNonalcoholicBeverages`
```

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```

MODIFY `pmkNBeverageID` int(5) unsigned NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=14;
--
-- AUTO_INCREMENT for table `tblUser`
--
ALTER TABLE `tblUser`
MODIFY `pmkUserID` int(10) NOT NULL
AUTO_INCREMENT,AUTO_INCREMENT=19;
--
-- Constraints for dumped tables
--

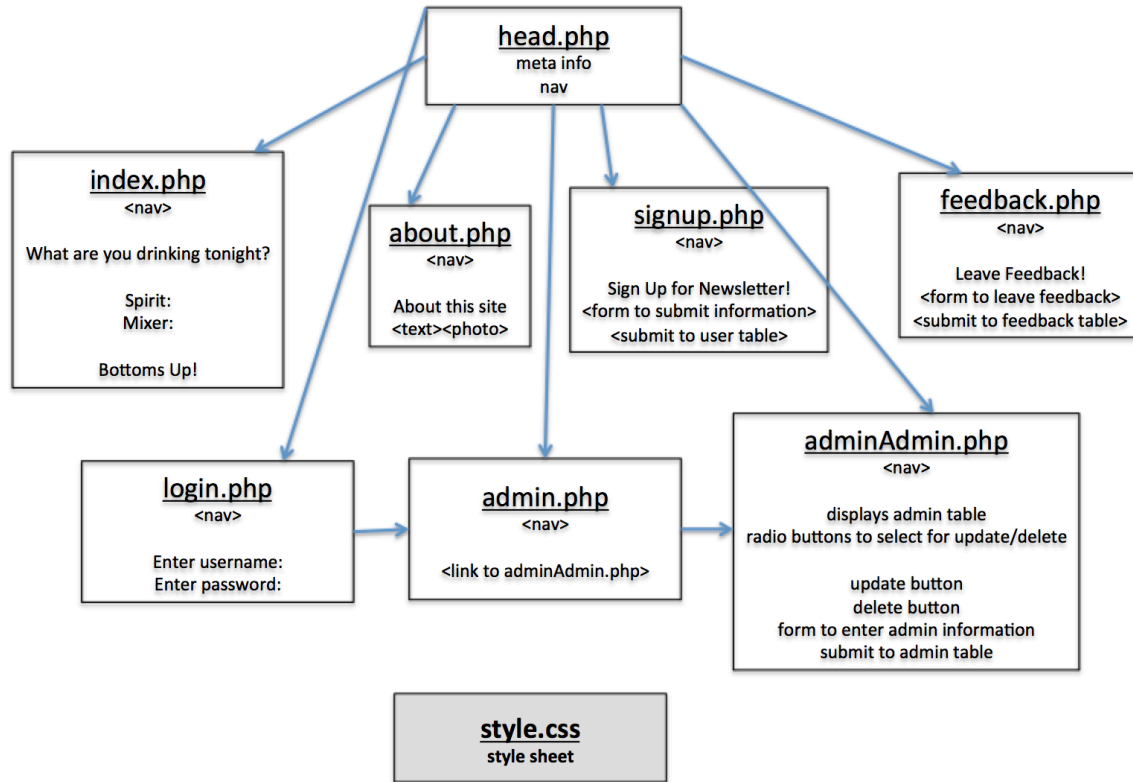
--
-- Constraints for table `tblCocktails`
--
ALTER TABLE `tblCocktails`
ADD CONSTRAINT `tblCocktails_ibfk_1` FOREIGN KEY (`fnkABeverageID`)
REFERENCES `tblAlcoholicBeverages` (`pmkABeverageID`) ON DELETE CASCADE
ON UPDATE CASCADE,
ADD CONSTRAINT `tblCocktails_ibfk_2` FOREIGN KEY (`fnkNBeverageID`)
REFERENCES `tblNonalcoholicBeverages` (`pmkNBeverageID`) ON DELETE
CASCADE ON UPDATE CASCADE;
SET FOREIGN_KEY_CHECKS=1;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```

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Story Board



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Specific requirements

head.php

1. Meta Description: Bottoms Up!
2. Meta Character set: UTF – 8
3. Meta Author: Emily bates
4. Title: Bottoms Up!
5. Navigation
 - a. Index.php
 - b. About.php
 - c. Signup.php
 - d. Feedback.php
 - e. Login.php
 - f. If admin session
 - i. Admin.php

index.php

1. Include head.php
2. h1: What are you drinking tonight?
3. Connect to ELBATES_BOTTOMS_UP database
4. Form
 - a. Drop down lists: alcoholicBeverages, nonalcoholicBeverages
 - b. Button: Bottoms Up! (submit)
5. Display results
 - a. Cocktail name
 - b. Cocktail photo
 - c. Recipe
 - d. Special instructions

about.php

1. Include head.php
2. Photo: bartender.jpg
3. About this site

signup.php

1. Include head.php
2. h1: Bottoms Up! In Your Inbox
3. Description of newsletter
4. Form
 - a. Text boxes: email, phone, first, last, address, city, state, zip
 - b. Checkboxes: featured, tips, games
 - c. Button: Sign Me Up! (submit)

feedback.php

1. Include: head.php
2. h1: We Love Feedback!
3. Description of feedback form

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4. Form
 - a. Text area: feedback
 - b. Radio buttons: rating
 - c. Button: Submit
5. Sending email to person who signed up

login.php

1. Include: head.php
2. Form
 - a. Text boxes: username, password
 - b. Button: Login
3. Changes site to "admin mode" if login is successful

admin.php

1. Include: head.php
2. h1: Which table would you like to modify?
3. Link: adminAdmin.php

adminAdmin.php

1. Include: head.php
2. Table: all records from tblAdmin
3. Two additional columns for delete and change radio buttons
4. Form to add another entry
5. Buttons: Delete, Change, Add