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CS 148 Database Design for the Web

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Assignment: Final Project

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# Recipe Center

Version <1.0>

Recipe Center	Version <1.0>
	Date : 12/06/19

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Time Log			
Estimated time to complete assignment =>			50 Hours
Date	Time Spent (in hours)	Description	Author
11/9	1.5	made a decision about our topic (recipe center)	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/9	1	make a story board about our topic	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/9	0.5	separate our work in our website	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/15	.05	Setting up files and add form2	Sidhanth Kafley
11/16	1	CSS bootstrap and figure out commit into github	Sidhanth Kafley
11/13	2	Build form 1	Zecheng Jin
11/15	2	Build the css and about us page in the website testing form validation	Zecheng Jin
11/17	1	Tried to figure out how to merge our branches	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/17	.5	Fixed our errors on our website and made plans for next week	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/17	.5	Created the weekly progress report	Sydney Hildreth Sidhanth Kafley Zecheng Jin
11/22	1	Set up the database files and send to group members	Zecheng Jin
11/24	1.5	Finish the About us page	Zecheng Jin
11/25	1	Create the database table in database system	Zecheng Jin
11/26	2	Make a connection with tblUser and Sign in page	Zecheng Jin

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11/26	2	Make a connection with tblRecipe and New Recipe page	Zecheng Jin
11/26	1	Fixed some problem in New Recipe page and make it work in our website	Zecheng Jin
11/26	2	Created the New Recipe page in our website	Sydney Hildreth
11/27	2.5	Make the CSS code for all of our page in the website	Sidhanth Kafley
11/27	2.5	Try to fix the Log in function in our website	Zecheng Jin
11/27	2	Finish the Contact us page in the website	Sidhanth Kafley
12/1	2	Worked on the checkboxes to get them to work	Sydney Hildreth
12/1	2	Worked on CSS	Sidhanth Kafley
12/1	1.5	Trying to add into tblRecipe	Sydney Hildreth
12/2	1	Went to Bob's office hours and successfully fixed checkboxes (stupid quote!!!!)	Sydney Hildreth
12/2	1	Tried to solve a merge conflict	Sydney Hildreth
12/3	1.5	Worked on updating a recipe	Sydney Hildreth
12/3	1.5	Worked on uploading image using blob but failed.	Sidhanth Kafley
12/3	2	Tried to get images of recipe to load into the database for a very long time	Sydney Hildreth
12/3	1	Successfully added data into tblRecipes	Sydney Hildreth
12/4	2.5	Also tried to get the images to load, was unsuccessful.	Sidhanth Kafley
12/4	1	Created home page with edit link	Sydney Hildreth
12/5	1.5	Got recipes to successfully update after clicking edit button	Sydney Hildreth

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12/5	1.5	Added the delete button	Sidhanth Kafley
12/5	.5	Fixed the issue with deleting data	Sidhanth Kafley Sydney Hildreth
12/5	2	Working on the check box in the add recipe page	Zecheng Jin
12/5	2	Deal with the admin problems	Zecheng Jin Sidhanth Kafley Sydney Hildreth
12/3	1.5	Working on the reset password page	Zecheng Jin
12/4	2	Working on the logout page and welcome page	Zecheng Jin
12/5	2	Do the final check with group members	Zecheng Jin Sidhanth Kafley Sydney Hildreth
12/5	0.5	Record the videos	Zecheng Jin Sidhanth Kafley Sydney Hildreth
12/5	0.5	Edit Video	Sidhanth Kafley
12/5	1	Worked on the final design and css and added video onto the home page	Sidhanth Kafley
12/5	1.5	Worked on Project Spec	Sydney Hildreth Sidhanth Kafley Zecheng Jin
	61	<=Total Time Spent	

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## Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site “Recipe Center”.

The intended audience for this document is anyone who would like to find new and exciting recipes. We wanted to create a website that people can go to find new recipes when they need one.

*First it is the contract between you and the client. Second it is for the developer of the site. Two primary goals are:*

1. *As a client, you will be able to create an account and then securely sign in. Once you create an account, you will be directed to the sign in page. After you are successfully signed in, you are directed to the welcome page. You can add new recipes and view recipes that other people have made.*
2. *As a developer, you will be creating a website for people to view recipes. Anyone can view recipes, but only admins can actually delete or edit them.*

### Definitions, acronyms, and abbreviations

*Sample for the client:*

ER Diagram – a diagram to represent the data you want to save with your system

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/>

**Data type:** is a data that tells the compiler what the programmer wants to use the data for. For example, using an integer for price of an item.

**Primary key:** is used to uniquely identify data in the table.

**Foreign key:** is a key used to link data between two tables in a database.

**Schema:** is the organization or structure for a database.

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**Data Dictionary:** a set of information describing the contents, structure of a database and the relationship between its elements

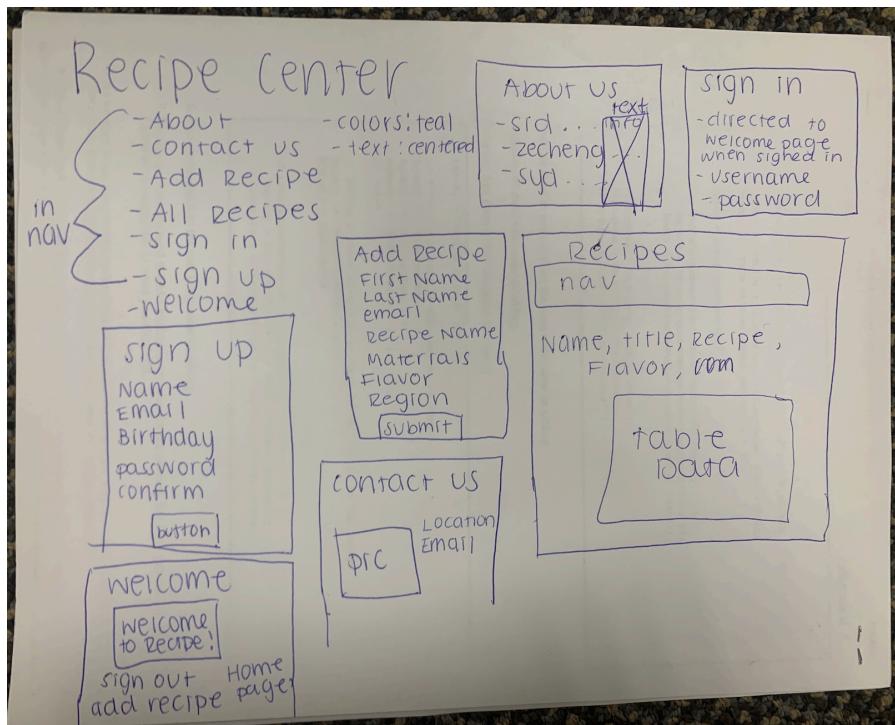
**Attributes:** A database attribute is the column name and the content of the fields in a table.

**Entities:** Any item whose data can be captured and stored in the form of properties.

## Overall Description

We created a center for collection of recipes for various food called Recipe Center whereby; users can see information about different recipes for different food. They can then add recipes to our website by signing up to our website. Although users can add recipes about various food to our website, they cannot edit or delete the recipes. The power to edit or delete the recipes lies solely on the admin. If the users want to edit or delete the recipes that they posted, they can do so by contacting the admins using the contact us page.

## Story Board



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## Data Dictionary

**tblMaterials**

Column	Type	Null	Default	Links to	Comments
pkMaterials (Primary)	varchar(30)	No			
default	text	No			

**Indexes**

KeyName	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pkMaterials	20	A	No	

**tblRecipe**

Column	Type	Null	Default	Links to	Comments
pkRecipId (Primary)	int(11)	No		tblRecipMaterials -> pkRecipId	
fdlFirstName	varchar(20)	No			
fdlLastName	varchar(20)	No			
fdlAvtName	varchar(20)	No			
fdlEmail	varchar(30)	No			
fdlRegion	varchar(20)	No			
fdlPrepTime	float	No			
fdlCookTime	float	No			
fdlFlavor	varchar(11)	No			
fdlComments	text	No			
fdlRecipe	text	No			

**Indexes**

KeyName	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pkRecipId	10	A	No	

**tblRecipMaterials**

Column	Type	Null	Default	Links to	Comments
pkRecipId (Primary)	int(11)	No			
pkMaterial (Primary)	varchar(30)	No		tblMaterials -> pkMaterials	

**Indexes**

KeyName	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pkRecipId	85	A	No	

**tblUsers**

Column	Type	Null	Default	Links to	Comments
pkUserID (Primary)	int(11)	No			
fdlUserName	varchar(20)	No			
fdlLastName	varchar(20)	No			
fdlBirthday	date	No			
fdlPhoneNumber	text	No			
fdlEmail	text	No			
fdlPassword	text	No			

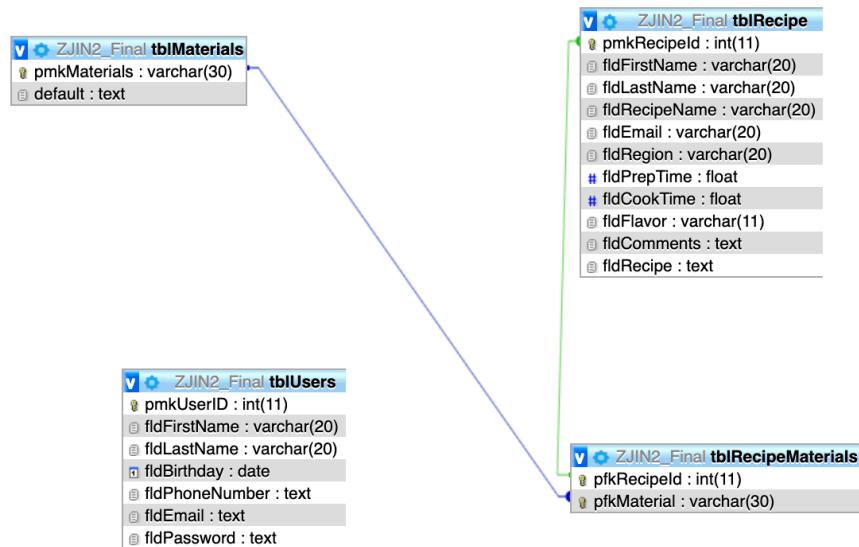
**Indexes**

KeyName	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pkUserID	3	A	No	

Print

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## ER- Diagram



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## Schema

### tblMaterials

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	pmkMaterials 🍪	varchar(30)	utf8_general_ci		No	None		
2	default	text	utf8_general_ci		No			

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pmkMaterials	20	A	No	

### tblRecipeMaterials

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	pfkRecipId 🔑	int(11)			No	None		
2	pfkMaterial 🔑	varchar(30)	utf8_general_ci		No	None		

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pfkRecipId	85	A	No	
				pfkMaterial	85	A	No	

### tblRecipe

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	pmkRecipId 🍪	int(11)			No	None		AUTO_INCREMENT
2	fldFirstName	varchar(20)	utf8_general_ci		No	None		
3	fldLastName	varchar(20)	utf8_general_ci		No	None		
4	fldRecipeName	varchar(20)	utf8_general_ci		No	None		
5	fldEmail	varchar(20)	utf8_general_ci		No	None		
6	fldRegion	varchar(20)	utf8_general_ci		No	None		
7	fldPrepTime	float			No	None		
8	fldCookTime	float			No	None		
9	fldFlavor	varchar(11)	utf8_general_ci		No	None		
10	fldComments	text	utf8_general_ci		No			
11	fldRecipe	text	utf8_general_ci		No			

#### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pmkRecipId	10	A	No	

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tblUsers

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>pmkUserID</b> 	int(11)			No	<i>None</i>		AUTO_INCREMENT
2	<b>fldFirstName</b>	varchar(20)	utf8_general_ci		No	<i>None</i>		
3	<b>fldLastName</b>	varchar(20)	utf8_general_ci		No	<i>None</i>		
4	<b>fldBirthday</b>	date			No	<i>None</i>		
5	<b>fldPhoneNumber</b>	text	utf8_general_ci		No			
6	<b>fldEmail</b>	text	utf8_general_ci		No			
7	<b>fldPassword</b>	text	utf8_general_ci		No			

Indexes 

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<b>PRIMARY</b>	BTREE	Yes	No	pmkUserID	3	A	No	

## Specific requirements

1. *You fill out* – This is where you would put the exact detail of what you want for the project. For example:
2. *Title for main page: Recipe Center*
3. *Meta Description: This is a website for viewing and adding new recipes.*
4. *You can create an account and add new recipes.*
5. *Meta Character set: UTF - 8*
6. *Logo: pick a logo to be used on the site.*



7. *Main page photo: pick a photo of you.*
8. *Content can be found here: <https://srhildre.w3.uvm.edu/cs148/live-recipe-center>*