

User Maintenance Guide

Lyst: Recipe

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April 21, 2017

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1. INTRODUCTION

1.1 PURPOSE OF USER MAINTENANCE GUIDE

The Lyst: Recipe system was sponsored by David Struble during the Spring 2017 semester of the Senior Software Development Capstone (CSCE 4901) at the University of North Texas.

The purpose of this document is to summarize the primary user functionalities as they relate to the execution and maintenance of the Lyst: Recipe system. This guide provides users with the necessary approaches to perform each process correctly so that the requirements of the system have been satisfied.

1.2 PROJECT SCOPE

The scope of the Lyst: Recipe project includes the planning, design, development, and testing of a prototype iteration of the system. The scope of this project also includes the completion of several deliverables including Software Requirements Specifications, Design Document, Test Procedures, and a User/Maintenance Guide. Project completion will occur at the end of the spring semester, after the prototype iteration of the system has been successfully completed.

For the prototype iteration, recipes in the database will be sourced from hardcoding by the project development team. These recipe database entries will be automatically marked as trusted to serve as a starting point for the system's audience.

The Lyst: Recipe project will require the use of external webhosting and MySQL (My Structured Query Language) for database management, but no further outsourcing in terms of software or staff. Funding will not be required.

1.3 ORGANIZATION OF THIS GUIDE

This document follows standard MLA Format. Bold-faced and capitalized text is used to indicate section and sub-section headings. Italics are used to reference sections within the document or other documents related to the project.

Tables are used as organizational tools to be quickly referenced, including the system functions in *section 3* below.

1.4 POINTS OF CONTACT

The following table includes the members of the development team, their roles, and contact information.

Name	Role	Contact Information
Tristan Dang	Team Lead	tristandang@my.unt.edu
Cassie Latshaw	Lead Developer	cassie.latshaw@gmail.com
Eddy Rodriguez	Developer	eddyc.rodriguez@yahoo.com
Dilip Shah	Developer	dk_shah5@yahoo.com
David Struble	Sponsor	david.struble@unt.edu

1.5 PROJECT REFERENCES

This document should be used in conjunction with the *Project Management Plan*, *Software Requirements Specification*, *Design Document*, and *Test Procedures* deliverables created during the spring semester.

2. SYSTEM CAPABILITIES

2.1 PROJECT OVERVIEW

This project will result in the development of the Lyst: Recipe system, a system where users may enter a list of ingredients that they have available and will be given a list of recipes they could make with said ingredients. The user will select from abridged lists of ingredients to avoid validating user entry, and will be subject to several criteria such as food groups (meat, grain, vegetable, fruit, dairy), meal type (breakfast, lunch, dinner, appetizer, dessert), and required preparation time.

The Lyst: Recipe system is predicated on the concept of being a social network in that its content is heavily user-based. Recipes will initially be sourced by developers to ensure trusted content, but will eventually be more self-regulating by its users as the consumer base grows. This is done by allowing users to submit their own recipes as well as comment and rate existing ones. Recipes entered by developers from known sources (such as Food Network, allrecipes.com, or McCormick) will be marked as trusted, and user submissions will require a certain number of positive ratings to be marked as trusted in order to ensure a certain level of quality.

2.2 PRIMARY USER FUNCTIONS

The following table includes the types of system users and how the software supports each user type.


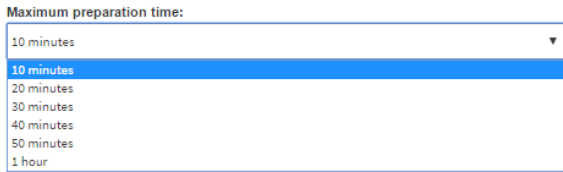
User Type	Function
Non-registered User	<ul style="list-style-type: none">• Search recipe
Registered User	<ul style="list-style-type: none">• Search recipe• Submit recipe• Comment on recipe• Rate recipe• Edit profile

3. SYSTEM FUNCTIONS

3.1 RECIPE SEARCH

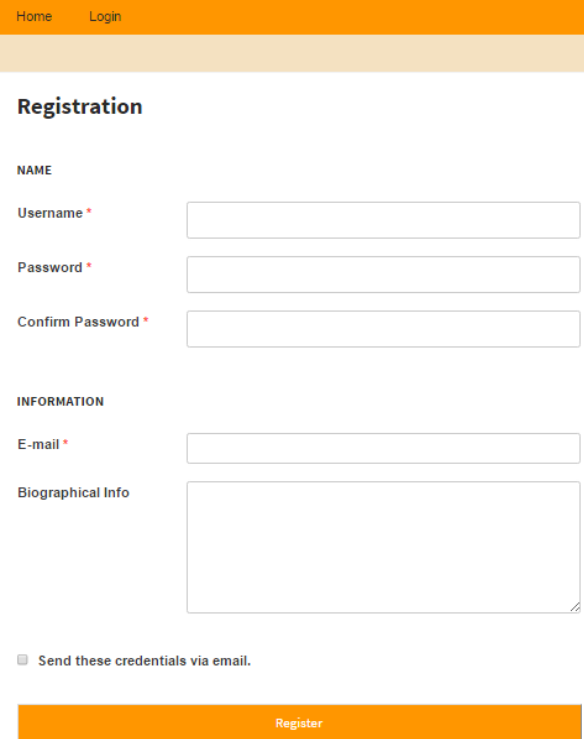
Purpose and uses of the function	This function allows users to search the recipe database based on their search inputs. This function is the system's primary use.
Initialization of the function, if applicable	User must be on the home page.
Execution options associated with this function	N/A
Description of function input	The user is able to input ingredients, meal type, and maximum preparation time. Each are strings that may be selected from drop-down menus.
Description of expected outputs and results	The system will search the recipe database and display a list of all recipes that satisfy the query.
Relationship to other functions	This function searches the recipe database which is populated by the submit recipe function.
Summary of function operation	<ol style="list-style-type: none">1. User accesses home page in browser2. User inputs at least 5 ingredients3. User inputs meal type4. User inputs maximum preparation time5. User selects search6. Results displayed (error or successfully displays recipe(s))

Function: Recipe Search	
<div> <div>Home</div> <div>Login</div> </div> <div>Search Recipe</div> <div> <div>Meat:</div> <div>Add Ingredient</div> <div>Grain:</div> <div>Add Ingredient</div> <div>Vegetable:</div> <div>Add Ingredient</div> <div>Fruit:</div> <div>Add Ingredient</div> <div>Dairy:</div> <div>Add Ingredient</div> <div>Meal type:</div> <div>Breakfast</div> <div>Maximum preparation time:</div> <div>10 minutes</div> <div>Search</div> </div>	<p>The recipe search input screen allows the user to specify their available ingredients, desired meal type, and maximum preparation time.</p>
Description of Inputs	
Meat	<p>Select the meat(s) from the drop-down:</p> <div> <div>Meat:</div> <div> <div>Bacon</div> <div>Bacon</div> <div>Beef</div> <div>Bologna</div> <div>Chicken</div> <div>Clam</div> <div>Crab</div> <div>Fish</div> <div>Ham</div> <div>Lobster</div> <div>Mussel</div> <div>Sausage</div> <div>Shrimp</div> <div>Turkey</div> </div> <div>Remove</div> </div>
Grain	Select grain(s) from the drop-down (similar to the dropdown above).
Vegetable	Select vegetable(s) from the drop-down (similar to the dropdown above).
Fruit	Select fruit(s) from the drop-down (similar to the dropdown above).
Dairy	Select dairy(s) from the drop-down (similar to the dropdown above).
Meal Type	Select the meal type from the drop-down:

	
Maximum Preparation Time	<p>Select the maximum preparation time from the drop-down:</p> 
Search	Click search when finished.

3.2 REGISTER

Purpose and uses of the function	This function allows users to create an account in the Lyst: Recipes system.
Initialization of the function, if applicable	User must be on the register page. This is accessed by clicking “click here” on the login page.
Execution options associated with this function	N/A
Description of function input	The user is able to input username, password (along with password confirmation), email, and biographical information. Each are strings that may be entered in text fields. The user may also indicate if they would like their credentials to be sent via email.
Description of expected outputs and results	The system will create the user’s account and display a success screen.
Relationship to other functions	This function creates user accounts which are used for the login functionality.
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses login page in browser 2. User accesses register page by clicking “click here” beneath the log in button 3. User inputs their desired username 4. User inputs their desired password 5. User inputs their desired password again as confirmation 6. User inputs their email 7. User inputs their biographical information (optional) 8. User selects if they would like their credentials to be sent via email (optional) 9. User selects register 10. Success message displayed

Function: Register	
	<p>The registration input screen allows the user to enter in their desired credentials for their Lyst: Recipes account.</p>
Description of Inputs	
Username	Input desired username.
Password	Input desired password.
Confirm Password	Input desired password again as confirmation. Must match previous input.
Email	Input email.
Biographical Info	Input biographical information (optional).
Send these credentials via email	<p>Select if you would like credentials to be sent via email:</p> <p><input type="checkbox"/> Send these credentials via email.</p>
Register	Click register when finished.

3.3 LOGIN

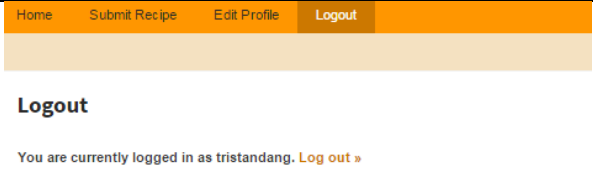
Purpose and uses of the function	This function allows users to log into the Lyst: Recipes system.
Initialization of the function, if applicable	User must be on the login page.
Execution options associated with this function	N/A
Description of function input	The user is able to input their username (or email) and password. Each are strings that may be entered in text fields. The user may also indicate if they would like their credentials to be remembered via a cookie.
Description of expected outputs and results	The system will log the user into their account and be redirected to the home (search) page.

Relationship to other functions	This function allows users to access the submit recipe, edit profile, and logout functionalities.
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses login page in browser 2. User inputs their username 3. User inputs their password 4. User selects if they would like their credentials to be remembered (optional) 5. User selects log in 6. Home page displayed

Function: Login	
	The login input screen allows the user to enter in their credentials to log into their Lyst: Recipes account.
Description of Inputs	
Username or Email	Input username or email associated with account.
Password	Input password.
Remember Me	Select if you would like credentials to be sent via email: <input type="checkbox"/> Remember Me
Log In	Click log in when finished.

3.4 LOGOUT



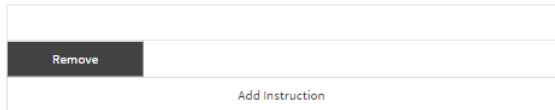
Purpose and uses of the function	This function allows users to log out of the Lyst: Recipes system.
Initialization of the function, if applicable	User must be logged in. User must be on the logout page.
Execution options associated with this function	N/A
Description of function input	N/A
Description of expected outputs and results	The system will log the user out of their account and be redirected to the home (search) page.
Relationship to other functions	This function disallows users access to the submit recipe, edit profile, and logout functionalities.
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses logout page in browser 2. User selects log out 3. Home page displayed

Function: Logout	
	The logout input screen allows the user to log out of their Lyst: Recipes account.
Description of Inputs	
Log out	Click log out.

3.5 RECIPE SUBMISSION

Purpose and uses of the function	This function allows users to submit a recipe to the recipe database based on their inputs. This function is the system's secondary use.
Initialization of the function, if applicable	User must be logged in. User must be on the submit recipe page.
Execution options associated with this function	N/A
Description of function input	The user is able to input a name, a description, ingredients, meal type, maximum preparation time, and instructions. Each are strings that may be selected from drop-down menus and entered in text fields.
Description of expected outputs and results	The system will submit the recipe to the recipe database and display a page with said recipe's information.
Relationship to other functions	This function submits recipes to the recipe database which is iterated through with the search functionality.
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses submit recipe page in browser 2. User inputs name 3. User inputs description 4. User inputs at least 5 ingredients 5. User inputs meal type 6. User inputs maximum preparation time 7. User inputs at least one instruction 8. User selects submit 9. Results displayed (error or successfully displays recipe)

Function: Recipe Submission	
<div> Home Submit Recipe Edit Profile Logout </div> <div> <h3>Submit Recipe</h3> <p>Name:</p> <input type="text"/> <p>Description:</p> <input type="text"/> <p>Meat:</p> <input type="text" value="Add Ingredient"/> <p>Grain:</p> <input type="text" value="Add Ingredient"/> <p>Vegetable:</p> <input type="text" value="Add Ingredient"/> <p>Fruit:</p> <input type="text" value="Add Ingredient"/> <p>Dairy:</p> <input type="text" value="Add Ingredient"/> <p>Meal type:</p> <input type="text" value="Breakfast"/> <p>Maximum preparation time:</p> <input type="text" value="10 minutes"/> <p>Instructions:</p> <input type="text" value="Add Instruction"/> <div>Submit</div> </div>	<p>The recipe submit input screen allows the user to specify the recipe name, description, ingredients, desired meal type, maximum preparation time, and cooking instructions.</p>
Description of Inputs	
Name	User inputs recipe name.
Description	User inputs recipe description.
Meat	<p>Select the meat(s) from the drop-down:</p> <p>Meat:</p> <div> <input type="text" value="Bacon"/> <div>Remove</div> <div> Bacon Beef Bologna Chicken Clam Crab Fish Ham Lobster Mussel Sausage Shrimp Turkey </div> </div>
Grain	Select grain(s) from the drop-down (similar to the dropdown above).

Vegetable	Select vegetable(s) from the drop-down (similar to the dropdown above).
Fruit	Select fruit(s) from the drop-down (similar to the dropdown above).
Dairy	Select dairy(s) from the drop-down (similar to the dropdown above).
Meal type	Select the meal type from the drop-down: 
Maximum preparation time	Select the maximum preparation time from the drop-down: 
Instructions	User inputs the instructions for cooking: 
Submit	Click submit when finished.

3.6 RECIPE COMMENTING


Purpose and uses of the function	This function allows users to comment on a recipe.
Initialization of the function, if applicable	User must be logged in. User must be on a recipe page. The recipe cannot be one that they submitted themselves or have already commented on.
Execution options associated with this function	N/A
Description of function input	The user is able to input a comment. This is a string that may be entered in a text field.
Description of expected outputs and results	The system will submit the comment to the recipe database and display said comment on the corresponding recipe page.
Relationship to other functions	N/A
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses a recipe page in browser 2. User inputs comment 3. User selects submit 4. Comment displayed

Function: Recipe Commenting	
<p>Comment</p> <input type="text"/>	The recipe comment input allows the user to submit their comment for a particular recipe.

Description of Inputs	
Comment	User inputs comment.
Submit	Click submit when finished.

3.7 RECIPE RATING

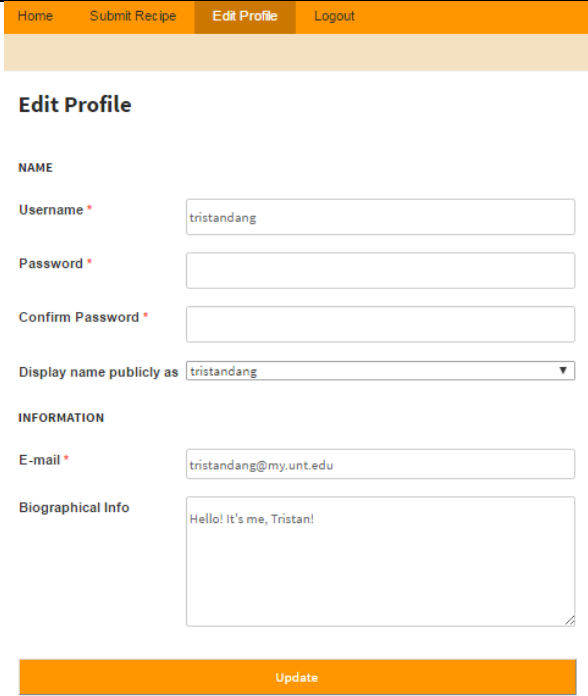
Purpose and uses of the function	This function allows users to rate a recipe.
Initialization of the function, if applicable	User must be logged in. User must be on a recipe page. The recipe cannot be one that they submitted themselves or have already rated.
Execution options associated with this function	N/A
Description of function input	The user is able to input a rating. This is an integer taken from an input range slider.
Description of expected outputs and results	The system will submit the rating to the recipe database and display said rating on the corresponding recipe page.
Relationship to other functions	N/A
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses a recipe page in browser 2. User inputs rating 3. User selects submit 4. Rating displayed

Function: Recipe Rating	
<p>Rate this recipe:</p> 	
Description of Inputs	
Slider	User inputs rating with slider.
Rate	Click rate when finished.

3.8 EDIT PROFILE

Purpose and uses of the function	This function allows users to edit their account profiles. All of the following changes are optional.
Initialization of the function, if applicable	User must be logged in. User must be on the edit profile page.
Execution options associated with this function	N/A
Description of function input	The user is able to input password (along with password confirmation), display name, email, and biographical information. Each are strings that may be entered in text fields.
Description of expected outputs and results	The system will update the user's account and display a success screen.
Relationship to other functions	This function updates user accounts which are used for the login functionality.
Summary of function operation	<ol style="list-style-type: none"> 1. User accesses edit profile page in browser 2. User inputs their desired new password 3. User inputs their desired new password again as confirmation

	<ol style="list-style-type: none"> 4. User inputs their display name 5. User inputs their new email 6. User inputs their new biographical information 7. User selects update 8. Success message displayed
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Function: Edit Profile	
	<p>The edit profile input screen allows the user to change their password, display name, email, and biographical information.</p>
Description of Inputs	
Password	Input desired new password.
Confirm Password	Input desired new password again as confirmation.
Display name publicly as	Select desired public display name.
E-mail	Input desired new email.
Biographical Info	Input desired new biographical information.
Update	Click update when finished.

4. OPERATING INSTRUCTIONS

4.1 INITIATE OPERATION

The user must access lystrecipes.altervista.org through their internet browser (Google Chrome, Mozilla Firefox, Internet Explorer, Safari, or Opera). It may be run on Windows, OS X, and Linux operating systems.

To reach the search recipe functionality, the user must access the home page by clicking on the home tab or the Lyst: Recipes logo. To reach the login/register functionality, the user must click the login tab. To reach the submit recipe functionality, the user must be logged in and click the submit recipe tab. To reach the comment/rate recipe functionalities, the user must access a recipe page through the search recipe function.

4.2 MAINTAIN OPERATION

The user does not have to install periodic updates. Updates will be implemented by the project team and will be pushed into the system without user intervention. The system does not power off automatically at any time. The user must maintain a stable internet connection for system operation.

4.3 TERMINATE AND RESTART OPERATIONS

To terminate the system operation, the user must simply close the browser tab or window. To restart operations, the user may access lystrecipes.altervista.org again through their browser.

5. ERROR HANDLING

5.1 ERROR MESSAGES

The following table includes the error messages along with how to resolve said error.

Functionality	Error Message	Resolution
Recipe Search	“Recipe search must have at least 5 different ingredients”	Include at least 5 ingredients in the search input.
Registration	“Username already exists”	Input a username that has not already been used by another user.
Registration	“Password and Password Confirmation fields must match”	Ensure that the two inputs match.
Registration	“Email already exists”	Input an email that has not already been used by another user.
Login	“Username or email not found”	Input a username or email that has been used by another user.
Login	“Incorrect Password”	Ensure that the password input is correct.
Recipe Submission	“Recipes must have at least one ingredient”	Input at least one ingredient.
Recipe Submission	“Recipes must have at least one instruction”	Input at least one instruction.
Recipe Rate	“Recipe already rated”	Unable to rate a recipe you have already rated.
Recipe Comment	“Cannot rate own recipe”	Unable to comment on a recipe you have submitted.

5.2 HELP FACILITIES

For any service or contact necessary for error resolution, please contact lystrecipes@gmail.com.

6. SOFTWARE MAINTENANCE

6.1 INITIAL SYSTEM STATUS

The hardware and software components required for system testing includes a working PC with internet connectivity. The entirety of the system is hosted on AlterVista.org and therefore requires a stable internet connection for any and all operation. This software may be run in all of the popular web browsers including Google Chrome, Mozilla Firefox, Internet Explorer, Safari, and Opera. It may be run on Windows, OS X, and Linux operating systems.

The current applications integrated with AlterVista are:

- File Management
- Wordpress

The current plugins used for Wordpress are:

- Ajax Test (1.0.0)
- Profile Builder (2.5.9)
- Restrict Content (2.1.3)
- SI Capcha Anti-Spam (3.0.0.7)
- Yoast SEO (4.4)

6.2 SUPPORT REQUIREMENTS

System maintenance may include: upgrades to system functionalities, security patches, and operational improvements. These actions may be implemented by the project team through AlterVista.org and do not require user intervention.

6.3 MAINTAINER IDENTIFICATION

For any trouble reporting or maintenance actions, please contact the help facilities as specified in *section 5.2* above.

6.4 SUPPORT CONTRACTS

There are no contractual protocols between the user and supplier.

6.5 MAINTENANCE CONCEPT

There are no current maintenance plans for Lyst: Recipes after release. The customer or development team may continue to edit and refine Lyst: Recipes.

6.5.1 RATIONALE

The reason for not supporting Lyst after release is due to the scheduling of CSCE 4901 of the University of North Texas. Currently, the final day of the current semester is set at May 5, 2017.

6.5.2 LEVEL OF SUPPORT

This project will not be supported after release.

6.5.3 PERIOD OF SUPPORT

This project will not be supported after release.

6.5.4 SUPPORT ORGANIZATION AND MAINTENANCE ACTIVITIES

Users are the main source of content for Lyst: Recipes. They will be the primary source of recipes, comments, and ratings. It will be up to the developers to aid in removal of user content viewed as not usable or misleading. For the prototype iteration of this system, there are no current requirements for said monitoring.