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The Crazy Code Surgeons

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Project State Document

Document prepared for:
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and
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Introduction

This is our work in the final phase of the program based on interviews with Director Arden Heale. The program is a fully standalone Language Library which helps to reduce drafting time of responses to Request for Proposal (RFP) from customers. Our language library uses a database of titles or keywords and their associated texts which are relevant to a company's information. RFP often has special format or structure with special needs. In most case, they ask a lot of similar or same information such as general information about the company, financial viability, brief history, and so on. Our program dramatically improves the efficiency to respond to such RFP by quickly supplying users with accurate pre-created information to match those titles and keywords.

After the second phase was approved by Ms. Heale, we moved to final phase to implement the language library focusing on important features such as user interface, searching, creating, and viewing. User interface is characterized by simple, modern look and feel. It uses bright colors to allow for better eye-attention and descriptive icons to improve usability. All functionalities, except view, are displayed as panels inside the main menu frame. One key feature of our program is the ability to go to any functionality panel by clicking their corresponding icons. Searching is the most important feature in our application. By searching for keywords or titles, user can view the description of titles and text content. We also provide the ability of add custom titles and texts into the library. They must be unique. In addition, user can view the entire library as necessary. The entire program is packaged inside a runnable jar file that requires no Internet connection to function. The database file is a csv file and is included with the package for easier start. The file can be modified manually using any text editor.

Requirements Addressed

User Stories	State of Implementation
1. As a user I want to search for blocks of texts so I can add them to my proposal.	Yes
2. As a user I want to create blocks of texts so that I can use them later.	Yes
3. As a user I want to view the complete library of keywords and their associated texts so that I don't have to create new ones.	Yes
4. As a user I want to select items in the library so that I can do something with them.	Yes
5. As a user I want to copy items in the library so that I can add them in other documents.	Yes (double-click item then drag-select)
6. As a user I want to view categories of texts so that I can search faster.	Yes (categories are changed to titles)
7. As an administrator I want to delete existing texts.	No
8. As an administrator I want to modify existing texts.	No
9. As a user I want to approve blocks of texts so that I can make sure it meets requirements.	No
10. As an analyst I want to quickly draft a response so that I can finish a proposal faster.	Yes (by copying, provided in user story 5)
11. As a user I want the application to be independent of internal system so that I can work on the road.	Yes

Business Rules	State of Implementation
Administrators Access Deleting and modifying existing texts and titles.	No
User Level of Control Different users from different departments have different level of access	No
Content Approval Process Content of proposals are approved by different departments	No

How to Run the Application

Run the application from Windows or Mac OS:
- Requirements: Latest Java Runtime Environment (JRE) 1.8 or above. Download the latest JRE at https://www.java.com/en/download/
- Double-click the jar file named: LanguageLibrary.jar

Searching for items in library:
1. Click on search button (the magnification icon) on the sidebar on the left
2. Enter one of the search parameters (case sensitive) and click search.
   NOTE: Parameters are either the title or keyword of the clause that you need to search for. You cannot search using a title and keyword at the same time. Doing so results in untested behavior.
3. The search result will be shown on the search view.

Creating new clause and adding it to library:
1. Click on Create button (the plus icon) on the sidebar on the left.
2. Enter the title (case sensitive).
3. Enter the keyword (case sensitive).
4. Enter the description.
5. Enter the text.
6. Click the "Create New Clause" button in the bottom right of the screen and the new clause will be added to the library.
   NOTE: The title and keyword must be unique in order to be added to the library. If a non-unique keyword or title is entered and the "Create New Clause" button is click, a message will appear indicating that the clause was not added and title and keyword must be unique (not already exist in the library).

Viewing all items in library:
1. Click on View Library button (the book icon) on the side bar on the left.
2. A new window with a table that contains the entire clause library will show up.

Main menu at any time:
- Click on Main Menu (House Icon) button on the side bar on the left to go to the welcome screen.
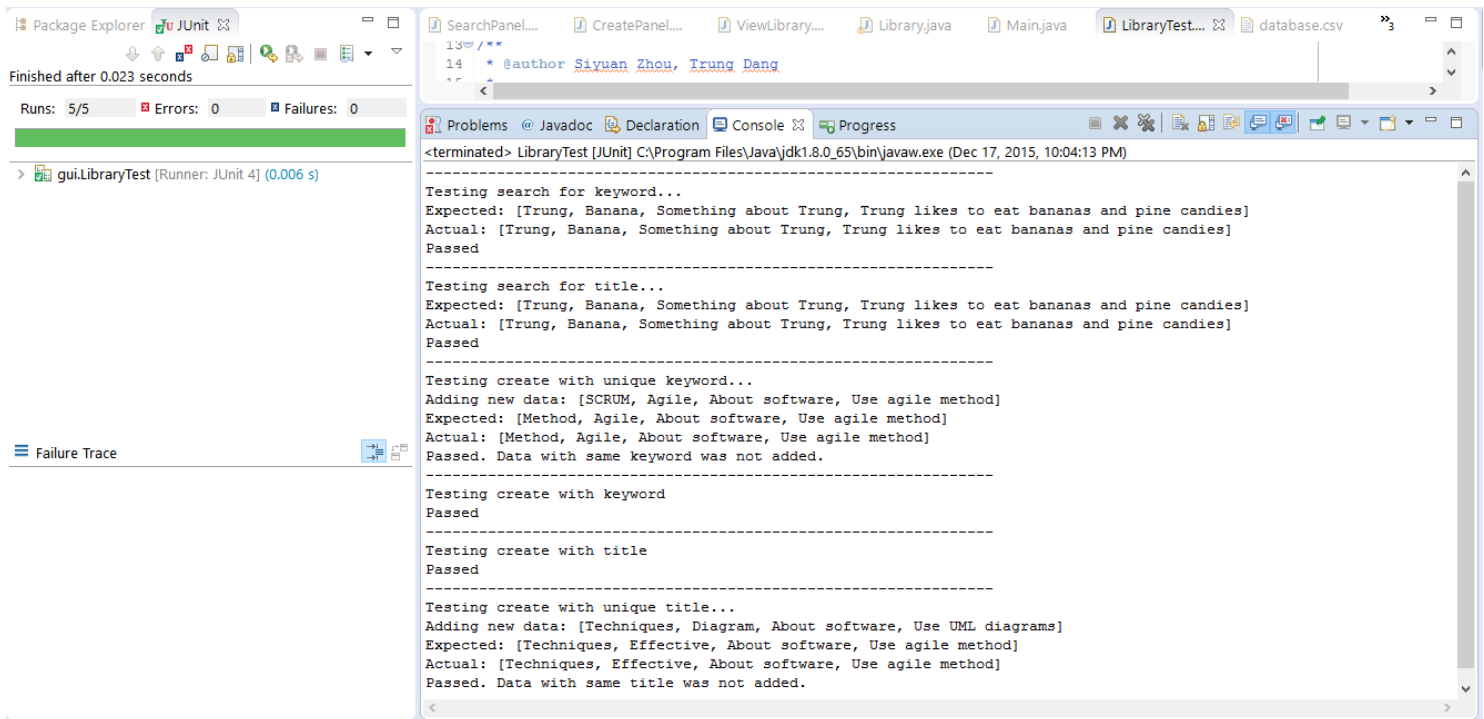
Manually Editing Data in Library:
- Without manually load data, the program creates a new database (a .csv file) when "Create new clause" button is clicked. Until this, "View library" button will not show a view of the entire library because there is nothing in there.
- To run this program with preloaded data, user can make a .csv file named exactly "database.csv" and save it into the same directory as the LanguageLibrary.jar file.
- The format of the .csv file should be exactly following:
title1,keyword1,description1,text1
title2,keyword2,description2,text2
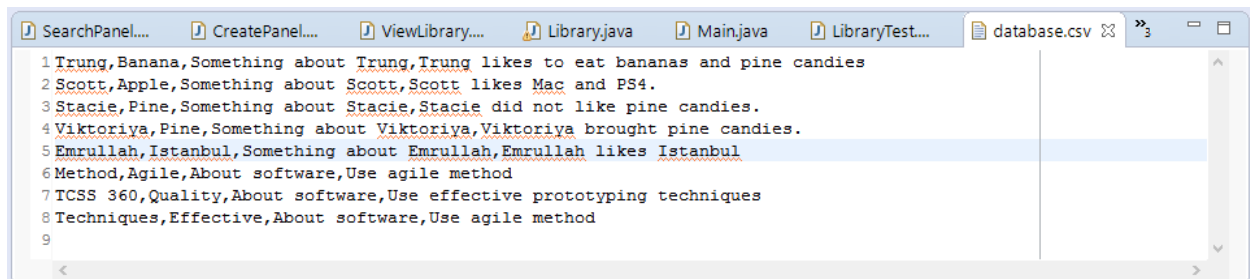title3,keyword3,description3,text3

Contributions

Person	Class-method	Activity
Emrullah Celik	MenuFrame	Coding (look and feel)
Trung Dang		Commenting, removing unnecessary codes, adding tooltips, and minor change to constructor
Viktoriya Celik	Create Panel	Coding (look and feel)
Trung Dang		Editing, minor change to constructor, commenting
Stacie Mashnitskaya		Editing
Emrullah Celik	SearchPanel	Coding (look and feel)
Trung Dang		Editing, minor change to constructor, commenting
Siyuan Zhou		Editing
Emrullah Celik	ViewLibrary	Coding (look and feel)
Stacie Mashnitskaya		Editing
Trung Dang		Commenting, minor changes
Viktoriya Celik	HomePanel	Coding (look and feel)
Trung Dang		Editing (minor change to constructor), commenting
Emrullah Celik	HelpPanel	Coding (look and feel)
Trung Dang		Commenting
Stacie Mashnitskaya		Help questions and answers
Siyuan Zhou	Library	Coding
Stacie Mastnitskaya		Editing
Trung Dang		Commenting, minor change to constructor
Siyuan Zhou	LibraryTest	Coding
Trung Dang		Coding
Emrullah Celik	Main	Coding
Trung Dang		Commenting

Tests

After testing

Data in library after testing

NOTE:

The test class was run to demonstrate these images. The test class in the source code packaged with this document won't be run initially to allow recipients to verify the test cases if they wish.

Source Catalog

Source codes are stored on GitHub repository.
Visit our website to view and download source code:

Website: godofhand.github.io/Code-Surgeons

Source catalog:
1. Executable jar file:
   LanguageLibrary.jar
2. Source codes in folder LanguageLibrarySourceCode:
   a. GUI classes: CreatePanel, SearchPanel, ViewPanel, HomePanel, HelpPanel,
      MenuFrame, ViewLibrary.
   b. Back-end class: Library
   c. Test class: LibraryTest
   d. Databse: database.csv
3. Database file (with preloaded data for the jar file):
   database.csv
4. Project State document:
   CCSDeliverable3 – ProjectStateDocument.pdf

Emergency Contacts

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