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CS 392 Software Engineering 2

Workshop #2: developing food text classification system

(Iteration 1, task 2: Travis CI and UI sketch requirements)

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1 Introduction

In this iteration of the workshop there are two main tasks that should be implemented and tested by the group project. First, integrating and running Travis CI in the GitHub project (section 2), and updating the user interface page based on the detailed scenario (section 3).

2 Travis CI tool integration

To setup a build pipeline, we use Travis Continuous Integration¹ tool. Please follow the detailed tutorial² on how to setup and run Travis CI in your working project. Once you successfully setup and integrate Travis CI into your GitHub project. Please use the next section to perform and complete the required task.

3 UI landscape page sketch

Figure 1 shows the initial sketch of how the user should face once he/she start using the system. First, the user will be able to write as much as he/she want of required texts (e.g., food description). User text will be written in text-area filed as shown in the figure 1. Next, once the user is ready to submit the entered text, the system should provide clear buttons (submit or clear buttons). Submit button shall be responsible to wrap the text and send to the server (index.js) for further analysis. Or clear button to clear the entered text and let the user able to change/update the text before send it the server. After that once the text submitted to the server, the server would be able to analyze the text and label the text with the correct labels (tags which classify the text entered by user into meaningful tags). The results after processed should be returned to the user page as it is demonstrated below (at the bottom of figure 1). However, the UI should has the capability to preprocess the results returned by the server to be displayed back to the user's page in correct format. Use Javascript (or any other language) to implement this part and display the tagged text after it processed by the server. The text should be presented on the left and its associated tag is on the right.

¹ <https://travis-ci.org/>

² <https://www.youtube.com/watch?v=bt1iOy9lv0U>

Hint: You might do more further analysis step to should the confidence measure for each extracted tag and show it to the user (optional).

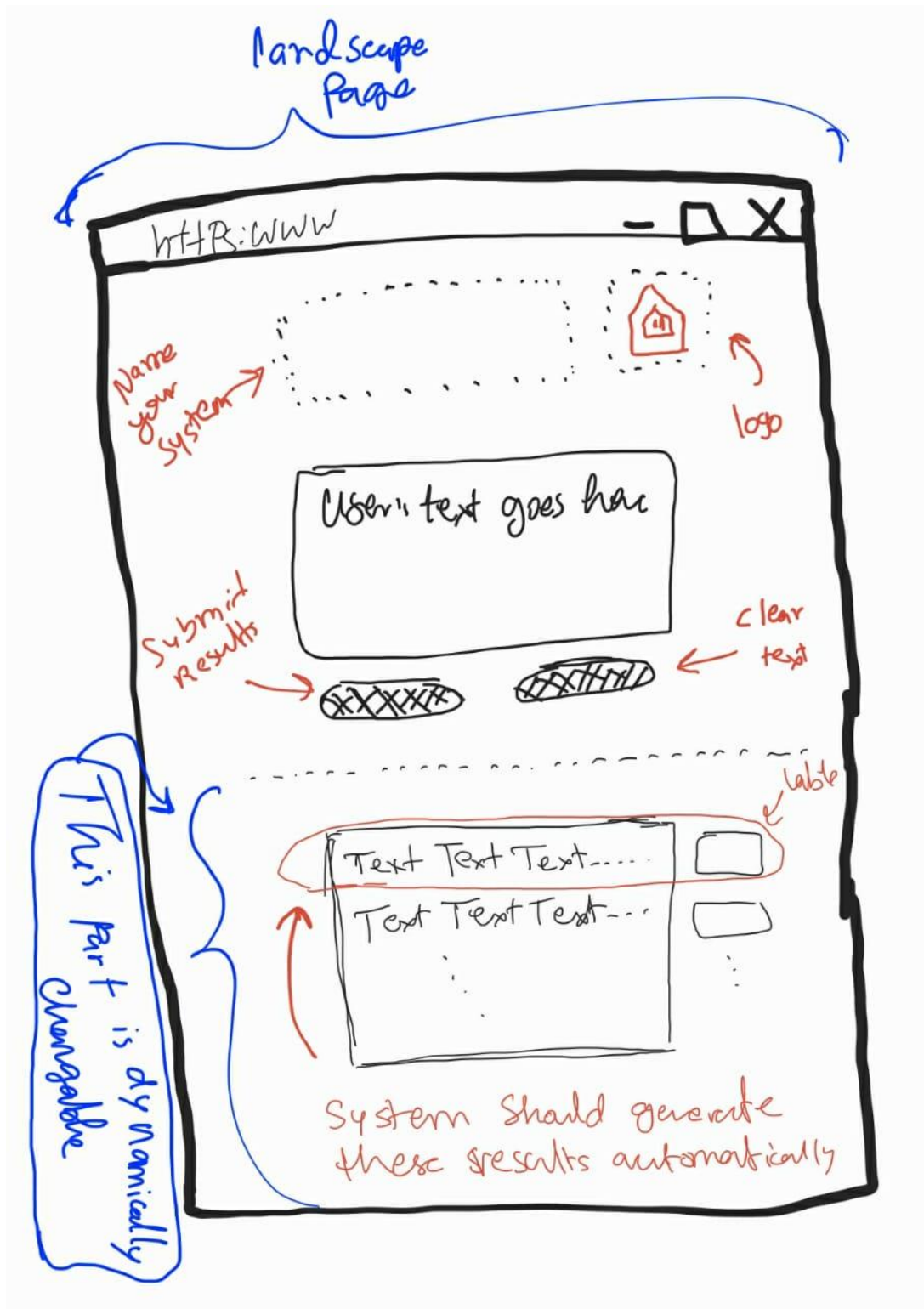


Figure 1:User landscape page sketch – webpage format