Palate Tailor

User Manual

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I. Overview

Palate Tailor is a computer program for Wellesley College students to identify the best dining hall for lunch or dinner on a given day. Palate Tailor uses Wellesley College student dining hall reviews of common dining hall dishes to select the best dining hall option for lunch or dinner that day.

Palate Tailor stores data collected in April 2016 on dining hall dishes that have appeared in the month of April. The weekly menu is extracted from a text file that stores the dishes from Wellesley Fresh website for a given week. That day's lunch or dinner options are compared to the user reviews. Each dining hall is then given a score based on the quality of that meal's menu. Additionally, the user may also elect to indicate if one of today's top rated choices is one of his or her favorites. If the menu contains one of the user's favorites, the dining hall's score will be recalculated to reflect the user's unique tastes.

This program implements a GUI with three tabs. The "Instructions" tab acts as an introduction to the program and explains the functions and ways to use the program. The "Today's Choice" tab asks the user which meal he or she would like to be advised about. The GUI will display the top two best locations for having that meal, as well as a recommended dish of the top-rated dining hall. The "Just For You" tab adds a more personalized approach. Users can select their favorite dishes out of the five options displayed, each option is the top rated dish from a dining hall for that given meal. Checking the box next to the user's favorite dishes increases the score of the dining hall where that dish is located. Although a dining hall serving the user's favorite dish doesn't ensure that it is the program's recommendation, it definitely gives that dining hall a nice boost!
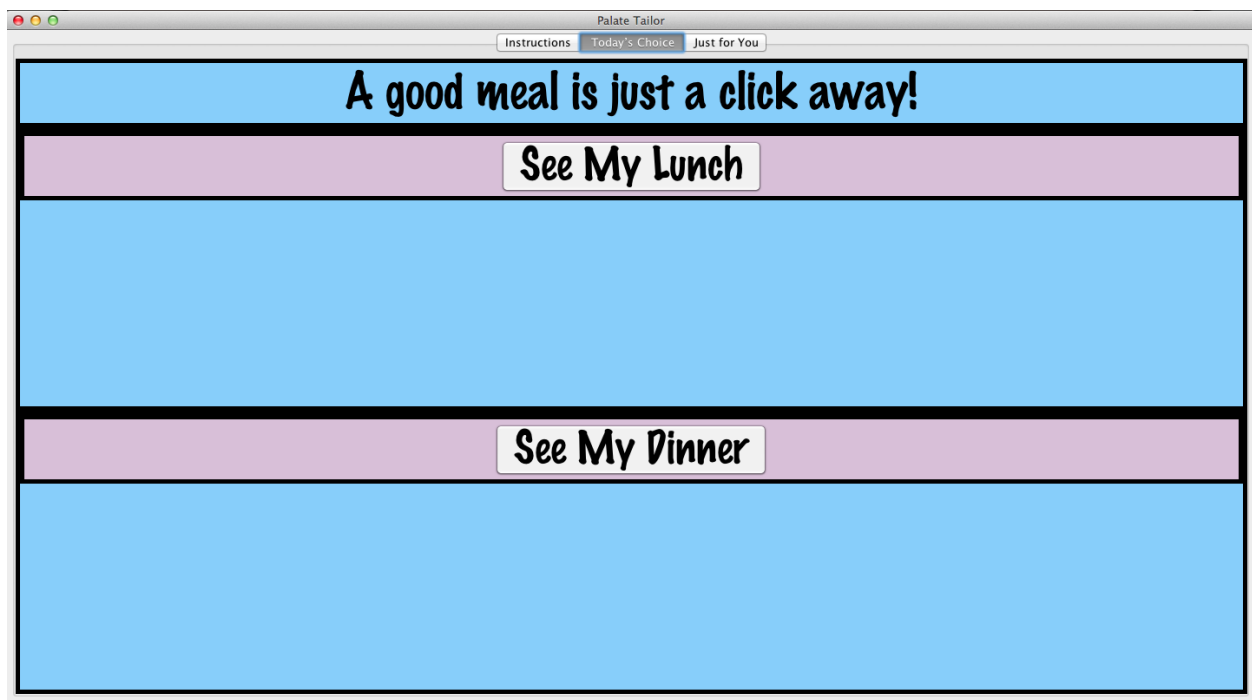
II. How to Run This Program

Once you have access to the PalateTailor folder, open the **PalateTailor.java** in a text editor, compile and run the program. Please let Emma or Dorothy know if you have trouble compiling or running the program.
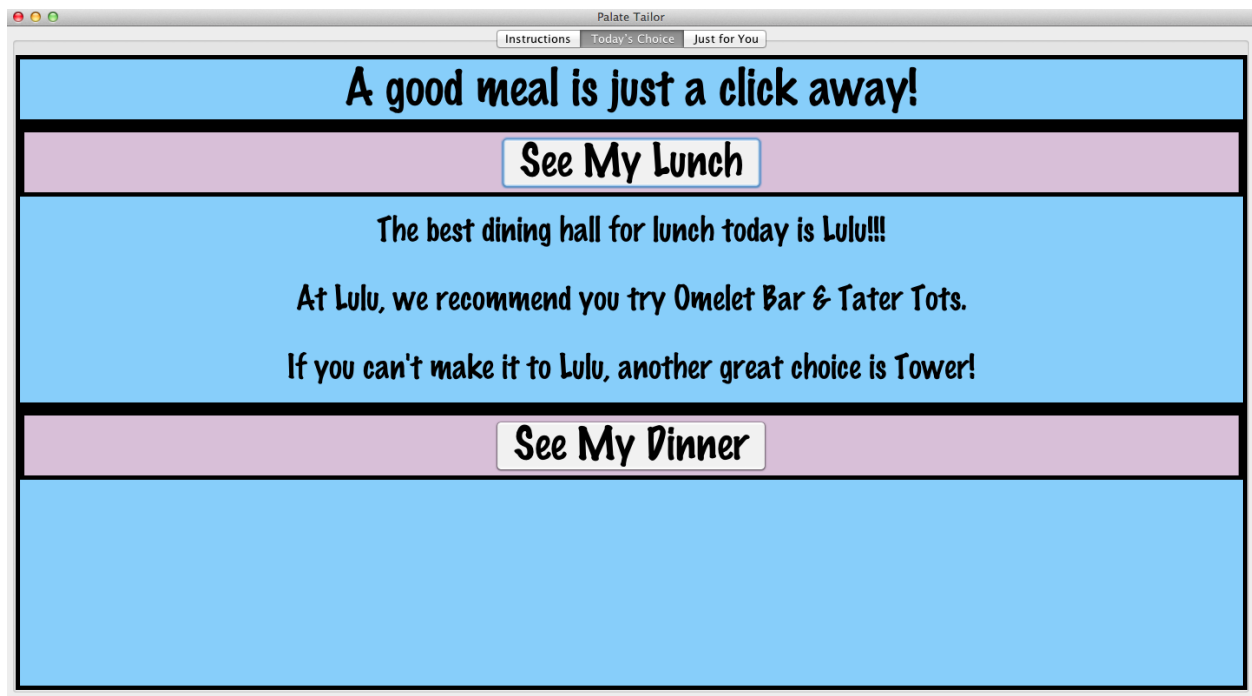
III. "Instructions" Tab

When **PalateTailor.java** is run, the program automatically navigates to the "Instructions" tab. The "Instructions" tab outlines the program's functionality. The instructions suggest that users either click on the "Today's Choice" or 'Just For You" tab. Once they select a tab, they should click the "See My Lunch" or "See My Dinner" button to receive a recommendation for that meal.
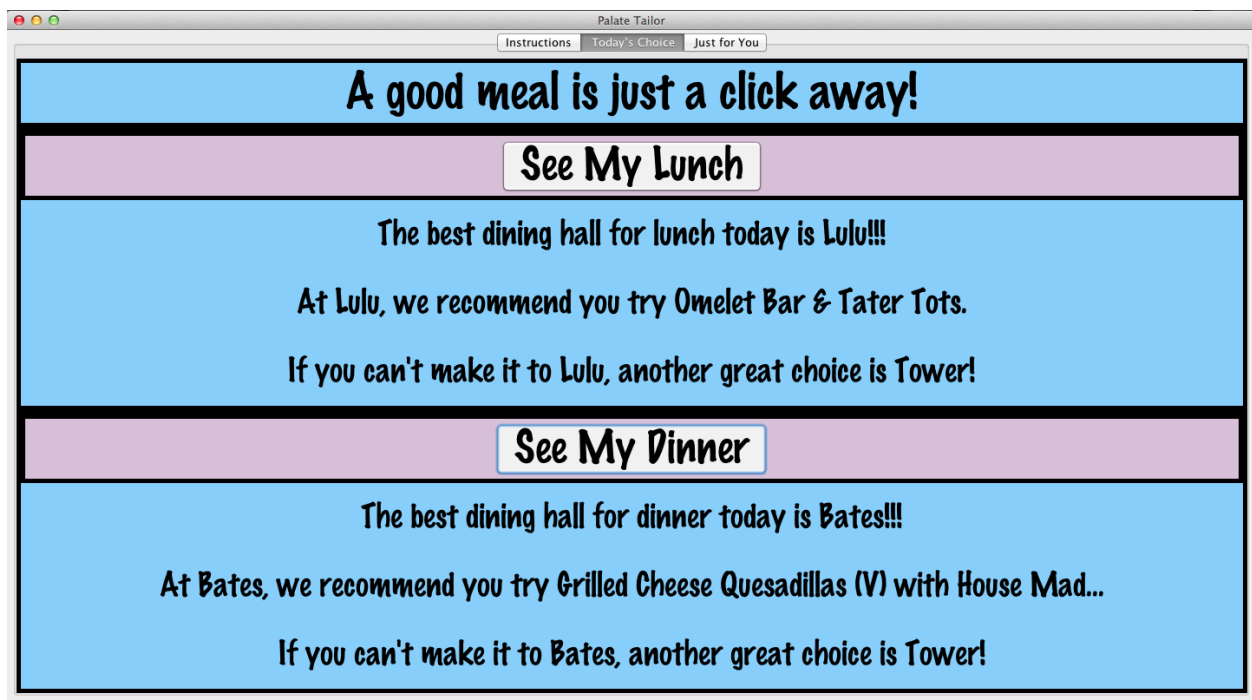
IV. Today's Choice Tab

Figure 1a: The original display of "Today's Choice" tab

Figure 2a: The display of "Today's Choice" tab after clicking on "See My Lunch" button.

Figure 3a: The display of "Today's Choice" tab after clicking on both "See My Lunch" and "See My Dinner" buttons.

The "Today's Choice" tab produces a recommendation on the best dining hall to have a meal at based only on student reviews of dining hall menu items.
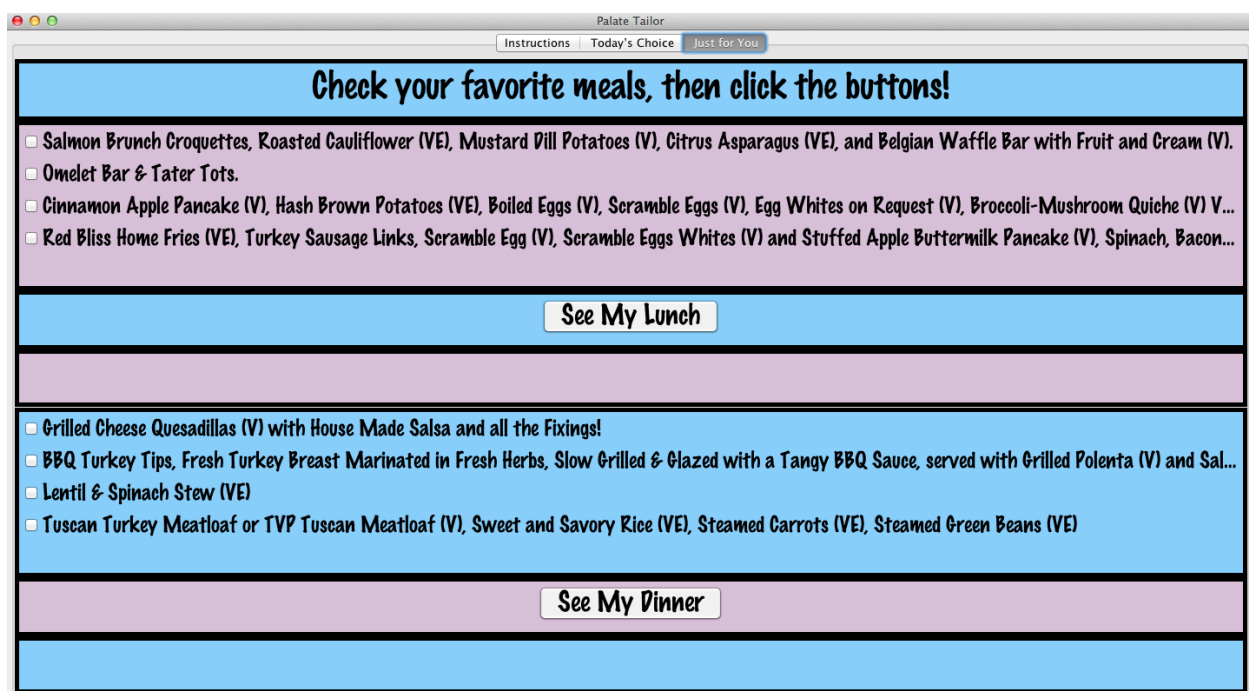
The first image reveals what the tab should look like when it is navigated to from any other panel. It contains a "See My Lunch" button and a "See My Dinner" button. The user should select a meal they would like a recommendation for and click the corresponding button.

The second image is a sample depiction of what the display should look like after the user clicks the "See My Lunch" button. Three lines of text should be displayed. The first line on the display is the name of the top-rated dining hall for the user to go to for that meal. The second line is the top-rated dish at that first choice dining hall. The third line is the name of the second highest rated dining hall.

The third image is a sample output of a user who has clicked both the "See My Lunch" and "See My Dinner" button. Under the "See My Lunch" button are the results for lunch, and

under the "See My Dinner" button are the recommendations for dinner. The "See My Dinner" in the same format as the lunch results (the first line is the best choice, second line is the best dish option at the first choice dining hall, third line is the second highest rated dining hall).

V. Just For You Tab

Figure 1b: The original display of "Just For You" tab

Figure 2b: The display of "Today's Choice" tab after clicking on both "See My Lunch" and "See My Dinner" buttons. (Should yield the same result as **Figure 3a**)

Figure 3b: The display of "Today's Choice" tab after checking the preferred dishes and clicking on both "See My Lunch" and "See My Dinner" buttons.

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The "Just For You" tab takes the user's preferences into account when selecting the best dining hall for the user to attend that day for lunch or dinner.

The first image illustrates a sample output of the tab when the user navigates to it from another tab. The second images shows the output of not checking any preferred dishes, which our program will generate the same results for the user as "Today's Choice" tab. The third image shows the display after the user select his or her favorite meals by checking the box next to that meal option. After the user has selected all of their preferred meals, he or she should click the "See My Lunch" button, or the "See My Dinner" button, or both buttons.

Once the button corresponding to that meal has been clicked the results will appear. The format of the results is the same as the "Today's Choice" tab: the first line is the name of the top dining hall, the second line is the top-rated dish at the top-rated dining hall, and the third line is the second highest rated dining hall for that meal. The rankings that are displayed take the user's preferences into account, so the results of the "Just For You" panel will usually be different than the results of the "Today's Choice" panel.