







## Criterion E: Evaluation

### Evaluation

Success criterion	Result	Evaluation
Program requires user to login or register before entering the program, error message will display if there's wrong input.	Met	<p>The initial interview didn't ask for a login window, but my client were happy with my design.</p>      

Program allows the users to input the required materials, number of dishes and the non-repeat times. The menu will be generated based on those requirements. Error message will display if there's wrong input.

Met

My client can select generate the menu based on her requirements.

The first screenshot shows the 'Menu Selector' application window. It has a title bar with three dots. Below the title bar, the text 'Menu Selector' is centered. There are two input fields: 'Number of Dishes' with a value of '1' and 'Non repeat times' with a value of '1'. Below these are two lists: 'Materials wanted' and 'Materials avoided'. Both lists contain the same items: Chicken, Onion, Cucumber, Pork, Green bean, Tofu, Chile, Cauliflower, Egg, Tomato, Shrimp, Scallions, and Potato. At the bottom right, there are three buttons: 'Generate Menu', 'Reset', and 'Return'.

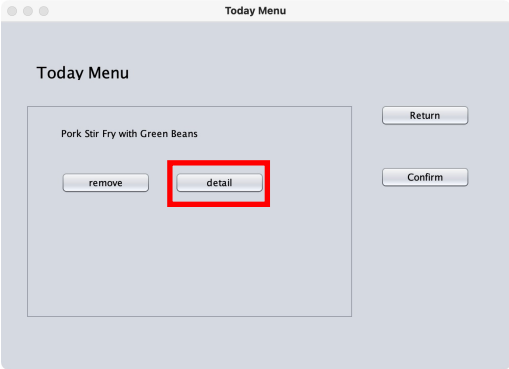

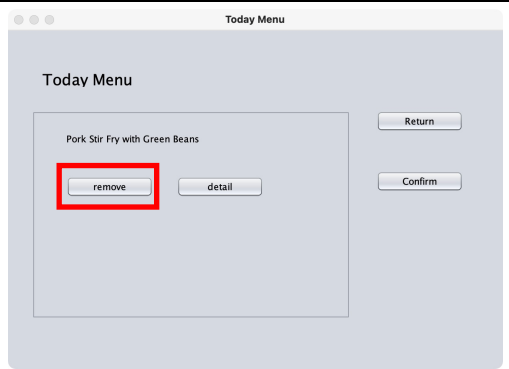
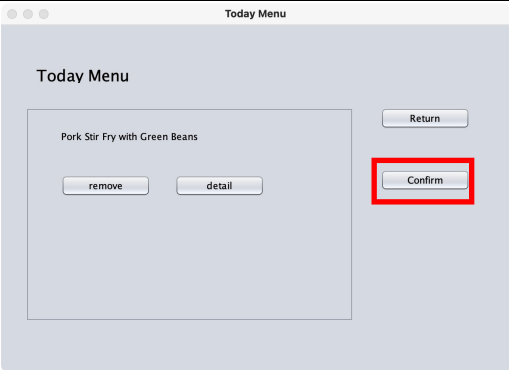
The second screenshot shows the same application window, but with an error message dialog box open. The dialog box has a title bar with three dots and the text '消息' (Message). It contains an information icon and the text 'Same material can't be selected in both material wanted and material avoided!'. There is a '确定' (Confirm) button at the bottom right of the dialog box.


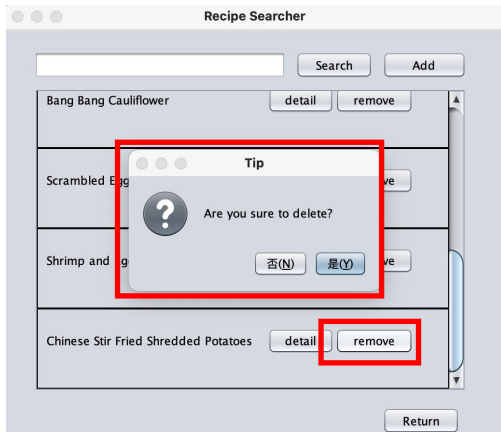
A menu will be generated based on those requirements.


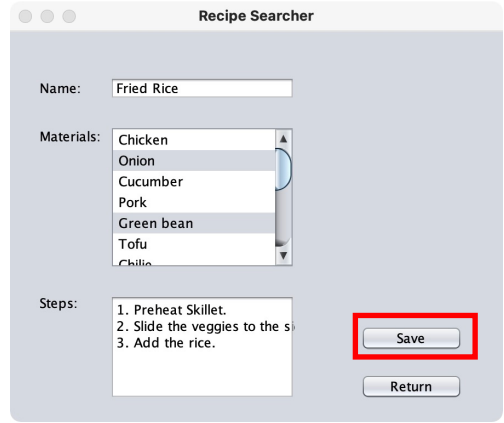
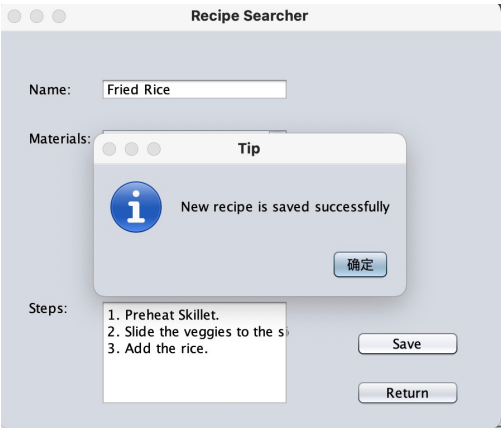
Met

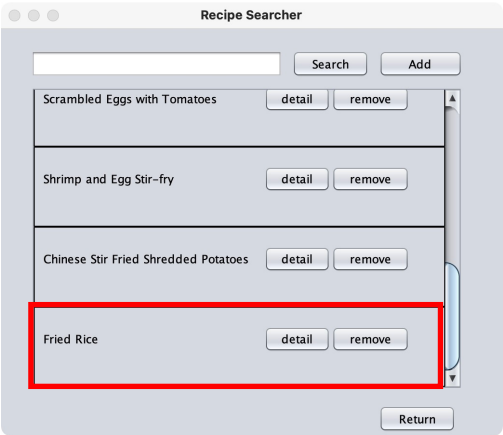
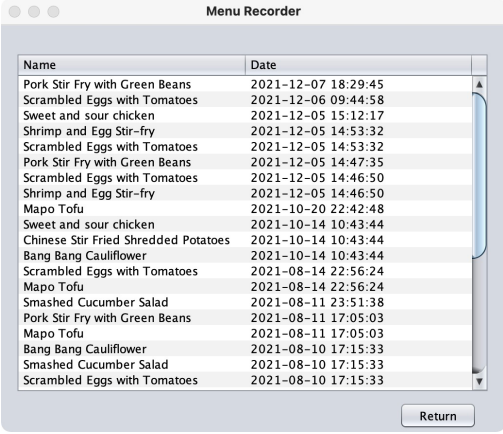
My client generated the dish Pork Stir Fry with Green Beans.

The 'Today Menu' application window has a title bar with three dots. Below the title bar, the text 'Today Menu' is centered. There is a large rectangular area containing the text 'Pork Stir Fry with Green Beans'. Below this area are two buttons: 'remove' and 'detail'. To the right of this area are two buttons: 'Return' and 'Confirm'.

<p>Program shows the cooking method for each dish after the menu is generated.</p>	<p>Met but can be improved</p>	<div data-bbox="826 237 1337 604"></div> <p>My client is satisfy with this design but she thought it will be better if I mark the amount next to materials.</p> <div data-bbox="836 748 1327 1254"></div>
<p>Unwanted dish can be removed from the menu after the menu is generated.</p>	<p>Met</p>	<div data-bbox="826 1272 1337 1639"></div>
<p>Final menu is stored into a database.</p>	<p>Met</p>	<div data-bbox="826 1648 1337 2016"></div>

		<table border="1"> <thead> <tr> <th>id</th><th>book_id</th><th>createtime</th></tr> </thead> <tbody> <tr><td>25</td><td>5</td><td>2021-10-14 10:43:44</td></tr> <tr><td>26</td><td>8</td><td>2021-10-14 10:43:44</td></tr> <tr><td>27</td><td>1</td><td>2021-10-14 10:43:44</td></tr> <tr><td>28</td><td>4</td><td>2021-10-20 22:42:48</td></tr> <tr><td>29</td><td>7</td><td>2021-12-05 14:46:50</td></tr> <tr><td>30</td><td>6</td><td>2021-12-05 14:46:50</td></tr> <tr><td>31</td><td>3</td><td>2021-12-05 14:47:35</td></tr> <tr><td>32</td><td>6</td><td>2021-12-05 14:53:32</td></tr> <tr><td>33</td><td>7</td><td>2021-12-05 14:53:32</td></tr> <tr><td>34</td><td>1</td><td>2021-12-05 15:12:17</td></tr> <tr><td>35</td><td>6</td><td>2021-12-06 09:44:58</td></tr> <tr><td>36</td><td>3</td><td>2021-12-07 18:29:45</td></tr> <tr><td>NULL</td><td>NULL</td><td>NULL</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>id</th><th>name</th><th>material</th></tr> </thead> <tbody> <tr><td>1</td><td>Sweet and sour chicken</td><td>chicken, onion</td></tr> <tr><td>2</td><td>Smashed Cucumber Salad</td><td>cucumber</td></tr> <tr><td>3</td><td>Pork Stir Fry with Green Beans</td><td>pork, green bean</td></tr> <tr><td>4</td><td>Mapo Tofu</td><td>tofu, chilie, pork</td></tr> <tr><td>5</td><td>Bang Bang Cauliflower</td><td>cauliflower</td></tr> <tr><td>6</td><td>Scrambled Eggs with Tomatoes</td><td>egg, tomato</td></tr> <tr><td>7</td><td>Shrimp and Egg Stir-fry</td><td>egg, shrimp, scallions</td></tr> <tr><td>8</td><td>Chinese Stir Fried Shredded Potatoes</td><td>potato, carrot, pepper</td></tr> </tbody> </table>	id	book_id	createtime	25	5	2021-10-14 10:43:44	26	8	2021-10-14 10:43:44	27	1	2021-10-14 10:43:44	28	4	2021-10-20 22:42:48	29	7	2021-12-05 14:46:50	30	6	2021-12-05 14:46:50	31	3	2021-12-05 14:47:35	32	6	2021-12-05 14:53:32	33	7	2021-12-05 14:53:32	34	1	2021-12-05 15:12:17	35	6	2021-12-06 09:44:58	36	3	2021-12-07 18:29:45	NULL	NULL	NULL	id	name	material	1	Sweet and sour chicken	chicken, onion	2	Smashed Cucumber Salad	cucumber	3	Pork Stir Fry with Green Beans	pork, green bean	4	Mapo Tofu	tofu, chilie, pork	5	Bang Bang Cauliflower	cauliflower	6	Scrambled Eggs with Tomatoes	egg, tomato	7	Shrimp and Egg Stir-fry	egg, shrimp, scallions	8	Chinese Stir Fried Shredded Potatoes	potato, carrot, pepper
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Program allows the user to search for the recipe of a dish, error message will display if no dish can be found.	Met but can be improved	<p>While the design was fine for my client, she thought that it would be nice to add a sorting function that categorize recipes by different category.</p> 																																																																					
Program allows the user to delete the unwanted recipe in the database.	Met																																																																						

<p>Program includes an input which allows the user to add recipe of dishes by herself.</p>	<p>Met</p>	<p>My client find it very convenient to add recipes by herself and is delight with this design.</p> <div data-bbox="826 331 1332 761"></div> <p>She had a try by adding the recipe of Fried Rice.</p> <div data-bbox="826 833 1332 1254"></div> <div data-bbox="826 1285 1332 1711"></div>
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Program has a recorder that shows what had been cooked before.	Met but can be improved	<p>My client was afraid that as the number of generated records increases, it would be difficult to find specific records, so I will add searching and soring functions.</p> 

To sum up, though my mum Ruzhang Shi was generally satisfied, she felt that some functions in Menu Recorder and Menu Searcher weren't convenient and comprehensive enough. Therefore, based on her feedback, I'll make the following improvements.

## Recommendation

### 1. Add searching and sorting function in Menu Recorder

Now the information in the Menu Recorder can only be read by swiping. However, with records increasing, it will soon be difficult for the client to locate specific records, such as menu records for a particular day, or when a particular dish was generated. Therefore, I'll add the functions to search records by dish name and filter recipes for a specific time.

### 2. Add sorting function in Menu Searcher

Currently, menu searchers can search for recipes, but cannot categorize them by dish category. Therefore, I will add the classification function, so that my client can read according to different categories, such as Chinese food, Italian food, French food, etc.

### 3. Improve the database

Currently, there aren't many recipes stored in the database, which leads to a slight lack of practicality. Hence, in future more recipes will be added.

**Word count: 508**

**Appendix:** *Appendix3\_Record of user acceptance interview*