

P6: Paper Prototype

Team Nacho Average Team

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Project Description:

Family-owned restaurateurs need a way to improve customer dining experience (before the restaurant visit), because owners often lose customers due to long and unpleasant waiting periods. To combat this, our team has designed an extension to existing POS Systems (like Square). Our design will offer restaurant owners three new features: real-time traffic, a queue, and an interactive menu.

Task 1: Viewing real-time traffic visualizations

For this task, we want the owner to check and understand the real-time traffic for 5pm.

Task 2: Deleting a party from the queue

For this task, we want the owner to delete a party called "Tyler" from the restaurant queue.

Task 3: Adding an item and category to the menu

For this task, we want the owner to add a happy hour category to the menu and then add an item (bruschetta) to the category, including a picture, nutrition info, and a price.

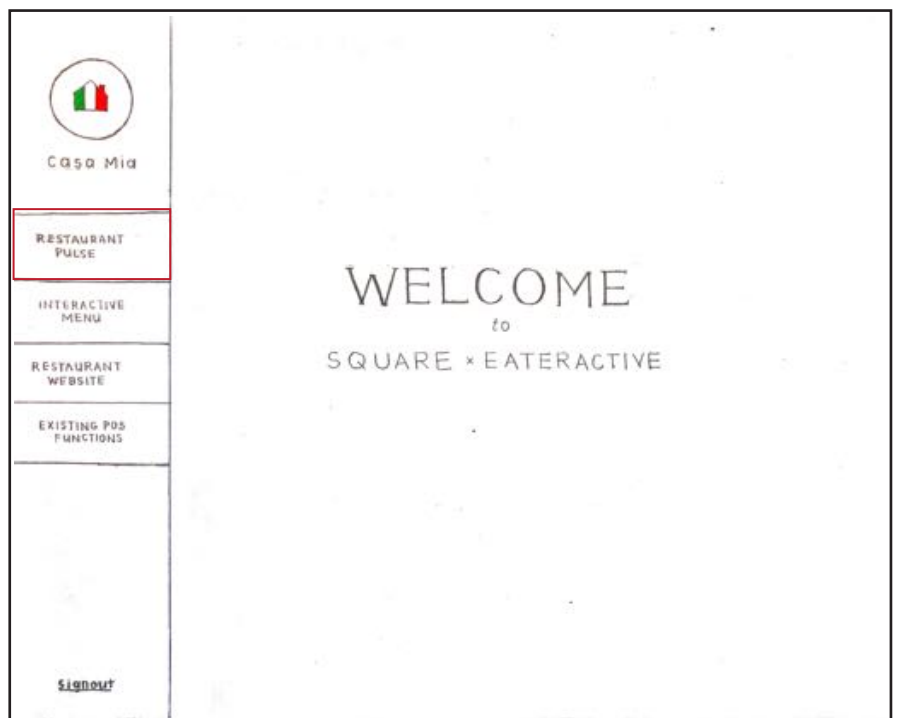
Task 1: Viewing real-time traffic visualizations

For this task, we want the owner to check and understand the real time traffic for 5pm.

1. The user opens the app (though not for the first time). The app displays the new functions from “Eateractive” and the functions from the original POS system.



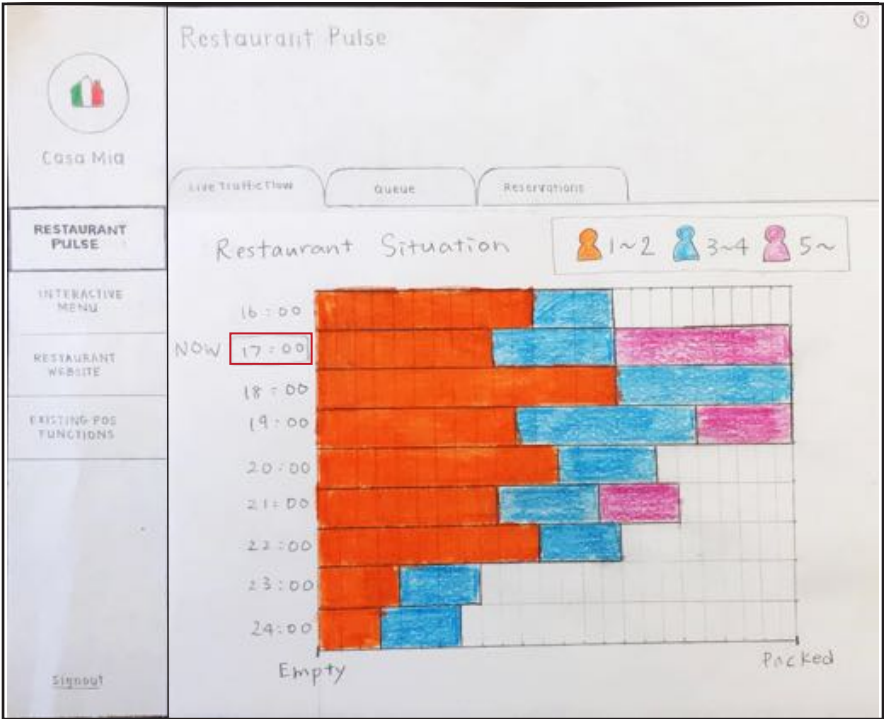
2. The user taps the “Restaurant Pulse” button.



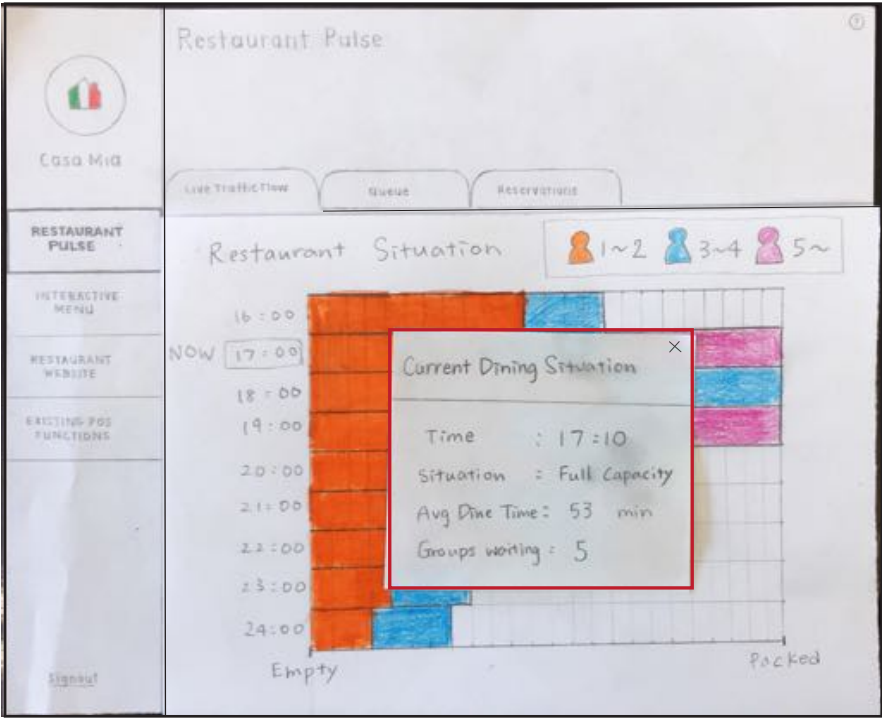
3. Since the “Live Traffic Flow” is on the first tap of the “Restaurant Pulse” section, the screen reveals the “Live Traffic Flow”.



4. The user checks the traffic graph and taps the current time



5. A pop-up appears, where the user can see details about the current restaurant situation.



Task 2: Deleting a party from the queue

For this task, we want the owner to delete a party called “Tyler” from the queue.

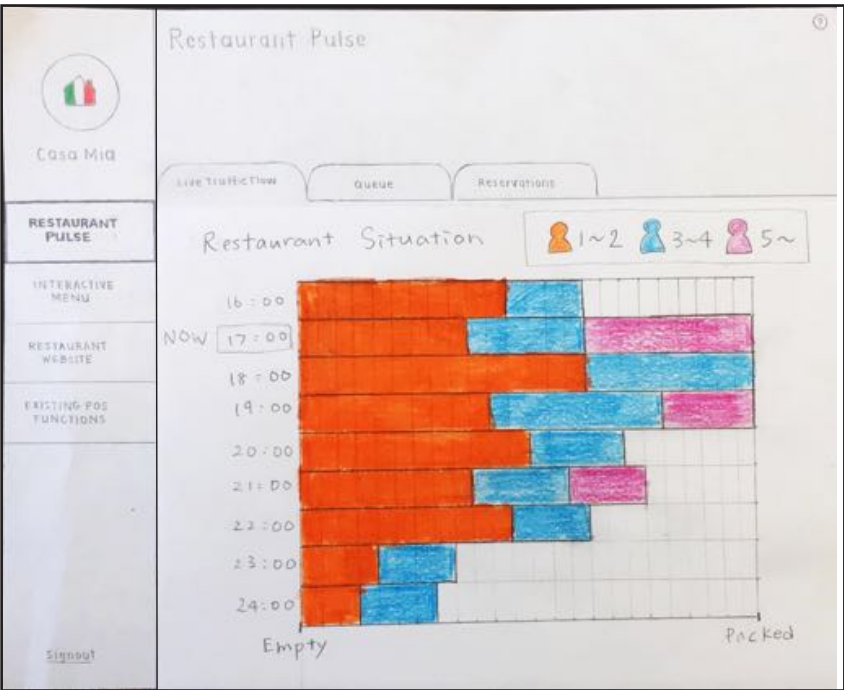
1. The user opens the app (though not for the first time). The app displays the new functions from “Eateractive” and the functions from the original POS system.



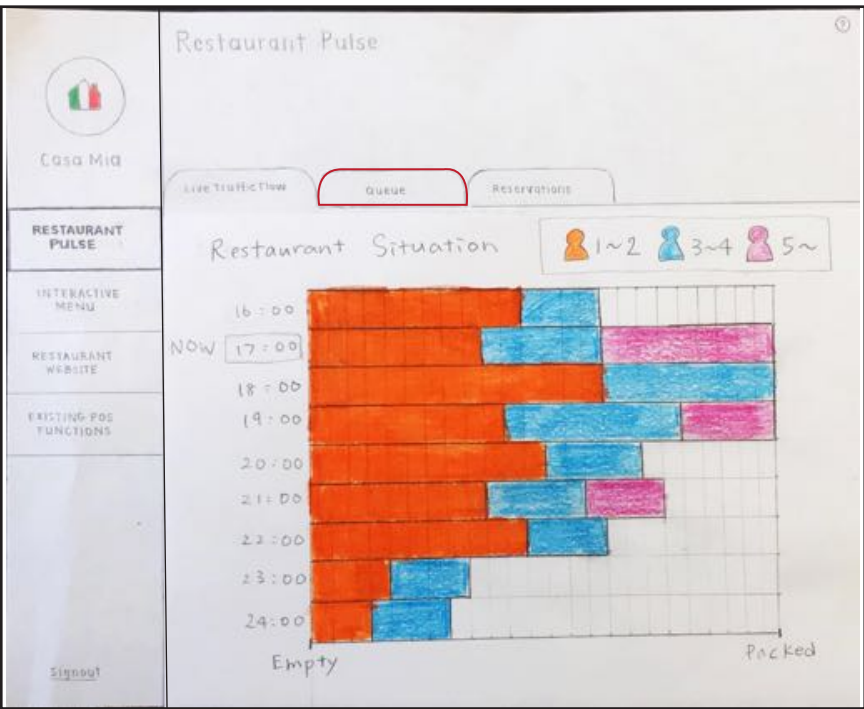
2. The user taps the “Restaurant Pulse” button.



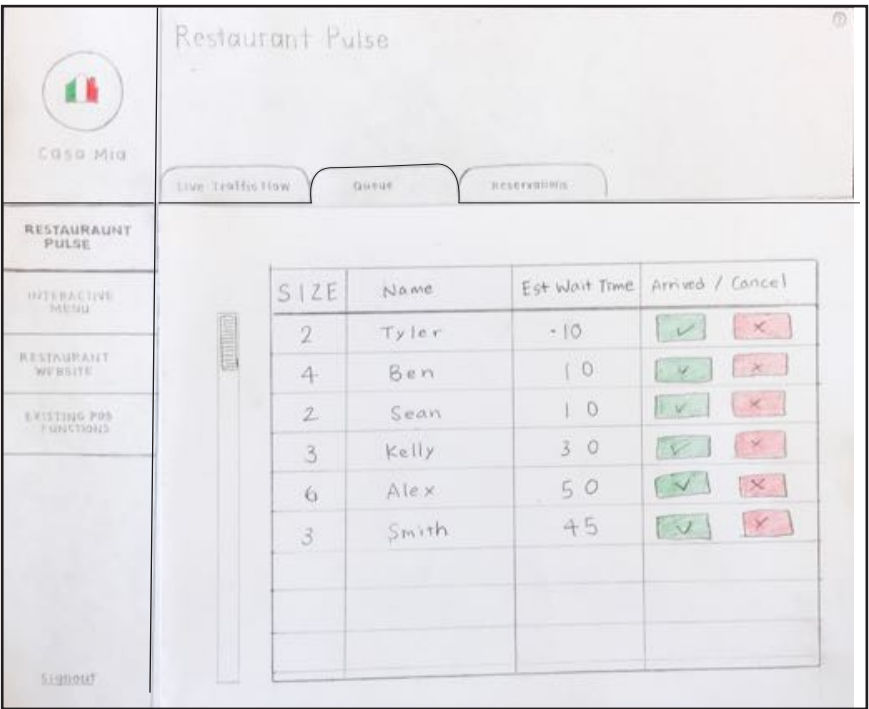
3. The app displays all tabs within the “Restaurant Pulse” section.



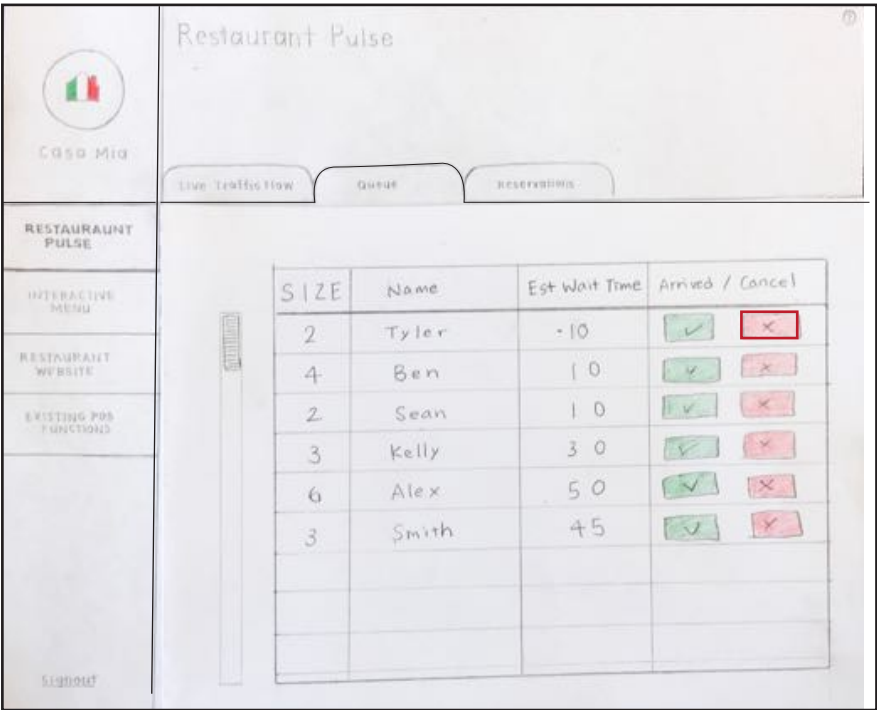
4. The user taps the “Queue” tab on the top.




5. The app displays the “Queue” page with the list of all parties in the queue.



6. The user taps on the cancel button next to the party named “Tyler”.



7. The tab displays the updated queue. “Tyler” is cancelled and “Ben” is now the first party in line.



CASA Mia

Live Traffic Flow

Queue

Reservations

RESTAURANT PULSE

INTERACTIVE MENU

RESTAURANT WEBSITE

EXISTING POS FUNCTIONS

Signout

Restaurant Pulse

SIZE	Name	Est Wait Time	Arrived/Cancel
4	Ben	10	<input checked="" type="checkbox"/> <input type="checkbox"/>
2	Sean	10	<input checked="" type="checkbox"/> <input type="checkbox"/>
3	Kelly	30	<input checked="" type="checkbox"/> <input type="checkbox"/>
6	Alex	50	<input checked="" type="checkbox"/> <input type="checkbox"/>
3	Smith	45	<input checked="" type="checkbox"/> <input type="checkbox"/>

Task 3: Adding an item and category to the menu

For this task, we want the owner to add a happy hour category to the menu and then add an item (bruschetta) to the category, including a picture, nutrition info, and a price.

1. After opening the app, the user taps the “Interactive Menu” button.



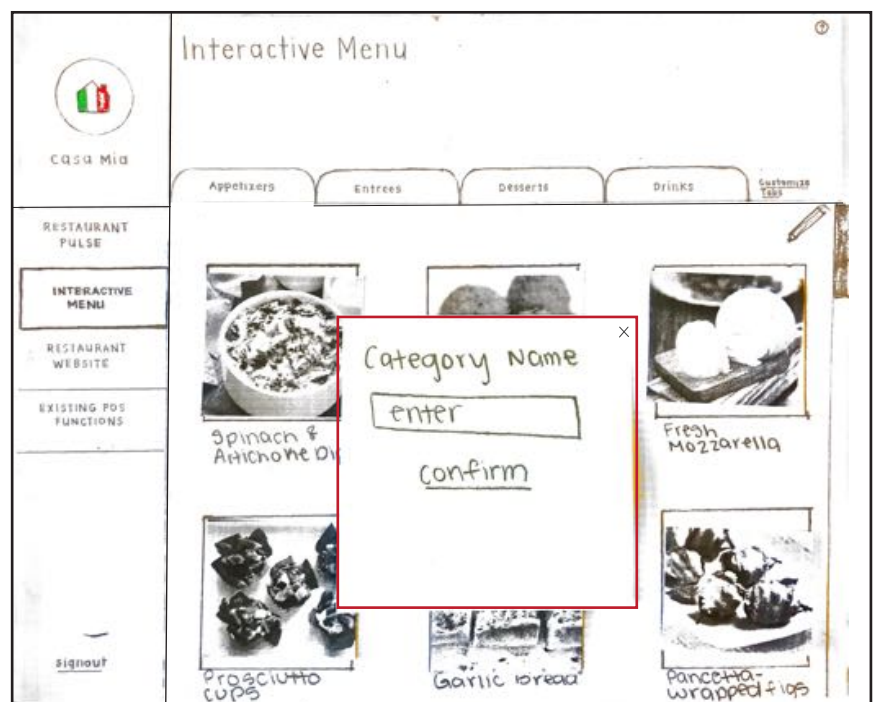
2. The app displays all the categories within the “Interactive Menu” section.



3. The user taps "Customize Tabs" to add a new category.



4. A pop-up appears to enter a category name. The user inputs the new category name ("Happy Hour") and presses enter.



5. The app displays the new “Happy Hour” tab, which contains no items.



6. The user taps the pencil icon to add a new item in the “Happy Hour” category.





7. The page displays a form where the user can enter info about the dish they are adding. The user selects "Picture".

The wireframe shows a web application interface for 'Casa Mia'. On the left is a vertical sidebar with a logo at the top, followed by links: 'RESTAURANT PULSE', 'INTERACTIVE MENU' (highlighted), 'RESTAURANT WEBSITE', 'EXISTING POS FUNCTIONS', and 'Signout' at the bottom. The main content area is titled 'Interactive Menu' and features a horizontal navigation bar with tabs: 'Appetizers', 'Entrees', 'Desserts', 'Drinks', 'Happy Hour', and 'CUSTOMIZE TABS'. Below the tabs, there is a form for adding a dish. It starts with the label 'Name of dish' followed by a text input field containing the word 'enter'. Below this are three square buttons labeled 'Picture', 'Nutrition Info', and 'Price'. The 'Picture' button is highlighted with a red border. At the bottom of the form area is a 'Confirm' button.



8. A pop-up appears that prompts the user to "Upload or Take Picture". The user selects "Upload".

This wireframe is identical to the previous one, but with a pop-up dialog box overlaid on the 'Picture' button. The dialog box has a red border and a close button (an 'x' in a circle) in the top right corner. It contains two buttons: 'upload' and 'take picture', with the word 'or' centered between them. The 'upload' button is highlighted with a red border. The background form elements, including the sidebar and navigation tabs, remain visible behind the pop-up.

9. The user uploads a photo of bruschetta and taps “Confirm”.

 Casa Mia	Interactive Menu				
	Appetizers	Entrees	Desserts	Drinks	Happy Hour
	Name of dish <input type="text" value="enter"/>				
	Picture	 <div>Confirm or Take Another</div>			Price
	<div>Signout</div>				

10. The user is navigated back to the form page, and this time taps on “Nutrition Info”.

 Casa Mia	Interactive Menu				
	Appetizers	Entrees	Desserts	Drinks	Happy Hour
	Name of dish <input type="text" value="enter"/>				
		Nutrition Info			Price
	<div>Confirm</div>				

11. A pop-up appears that prompts the user to add nutrition info. The user fills in the table and taps "Confirm".

The screenshot shows the 'Interactive Menu' app interface. On the left is a sidebar with the 'Casa Mia' logo and navigation options: RESTAURANT PULSE, INTERACTIVE MENU (highlighted), RESTAURANT WEBSITE, and EXISTING POS FUNCTIONS. At the bottom of the sidebar is a 'Signout' button. The main area has a top navigation bar with 'Appetizers', 'Entrees', 'Desserts', 'Drinks', 'Happy Hour', and 'CUSTOMIZE TABS'. Below this, there's a form with 'Name of dish' and an 'enter' button. A red-bordered pop-up titled 'Input values in table' is centered over the form. It contains a table with two columns: 'Name' and 'Number'. The 'Name' column has an 'Enter' button, and the 'Number' column has an 'ENTER' button. A '+' sign is between the columns. At the bottom right of the pop-up is a 'Confirm' button. To the left of the pop-up is a 'Picture' placeholder, and to the right is a 'Price' placeholder.

12. The user is navigated back to the form page, and this time taps on "Price".

The screenshot shows the 'Interactive Menu' app interface after the pop-up is closed. The sidebar and top navigation bar are the same. The main area now shows the 'Name of dish' form with an 'enter' button. Below the form, there are three placeholders: a 'Picture' placeholder with a food image, a 'Nutrition Info' placeholder, and a 'Price' placeholder. The 'Price' placeholder is highlighted with a red border. At the bottom center of the main area is a 'Confirm' button.

13. A pop-up appears that prompts the user to enter the price of the item. The user fills in the textbox and taps "Confirm".

The screenshot shows the 'Interactive Menu' app interface. On the left is a sidebar with the 'Casa Mia' logo and navigation options: RESTAURANT PULSE, INTERACTIVE MENU (highlighted), RESTAURANT WEBSITE, and EXISTING POS FUNCTIONS. At the bottom of the sidebar is a 'Signout' button. The main content area has a title 'Interactive Menu' and a category bar with 'Appetizers', 'Entrees', 'Desserts', 'Drinks', 'Happy Hour', and 'Customer tab'. Below the category bar, the 'Name of dish' field contains the text 'enter'. A red-bordered pop-up window is centered on the screen, containing a 'Price' label, a text input field with 'enter', and a 'Confirm' button. To the left of the pop-up is a box labeled 'Picture' and to the right is a box labeled 'Price'. A 'Signout' button is also visible at the bottom left of the main content area.

14. The user is navigated back to the form page, and enters in the title of their dish.

The screenshot shows the 'Interactive Menu' app interface after the user has entered the dish title. The sidebar and category bar are the same as in the previous screenshot. The 'Name of dish' field now contains the text 'bruschetta'. Below the category bar, there are three boxes: 'Picture' (containing a photo of bruschetta), 'Nutrition Info', and 'Price'. A 'Confirm' button is located at the bottom center of the main content area. The 'Signout' button remains at the bottom left of the sidebar.

15. With the entire form filled out, the user taps “Confirm”.

The screenshot shows the 'Interactive Menu' form in the 'Happy Hour' tab. The form is filled out with the following information:

- Name of dish:** bruschetta
- Image:** A photograph of bruschetta.
- Nutrition Info:** A box for entering nutrition information.
- Price:** A box for entering the price.
- Confirm:** A button highlighted with a red box, indicating the user is about to confirm the addition.

16. The “Happy Hour” page displays the newly added item.

The screenshot shows the 'Interactive Menu' form in the 'Happy Hour' tab. The newly added item, 'Bruschetta', is displayed below the image. The form is now empty, and a pencil icon is visible in the top right corner, indicating that the user can add more items.