

Diabetic-Mate: your type-1 diabetes friend

**Project 4: Final – Create & Improve High Fidelity Design
(All Project requirements and links)**

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Diabetic-Mate

Link To midterm review

- Refer to its file from the .Zip file under the Name (**Create & Improve a HighFidelity Design - Project 3 Review.pdf**), and you can also download the project 3 from the same file.
- The link of Figma prototype for project 3:

<https://www.figma.com/proto/efFrZD3pWgAZ9ueQpcSD06/Diabetic-Mate-Create-and-Improve-a-High-Fidelity-Design?page-id=0%3A1&node-id=73%3A14194&viewport=241%2C48%2C0.03&scaling=scale-down&starting-point-node-id=68%3A12195>

Accessibility Improvements of Designs

- Refer to the frame in Figma project file under the name of (**Annotated Iteration for Accessibility**) by clicking the following link:

<https://www.figma.com/file/tlbZ9Xyden6hSajgyF7SSU/Final-Diabetic-Mate-Create-and-Improve-High-Fideility-Prototype?node-id=0%3A1>

Testing the design and collecting the test insights from Lookback

- **Note:**

- In this stage, the usability test is done with using the Lookback tool with recruiting of 3 participants. The free-trial is used to do the test and it is expired before completing all numbers of participants.

1. The Welcome Message:

Hi There! Welcome to Diabetic-Mate Test!
and thanks for taking some time to talk with us today.

We're working on a digital product that serves type-1 diabetic patients to control their blood glucose levels. This phase is aiming to validate our direction. So, if you are a diabetic, or live with diabetics, we will appreciate your help!

2. The List of Tasks They Need to Test and the Scenario:

Firstly, As a diabetic, there are some terms you need to know about, please read them:

- Hyper Case (Hyperglycemia Case): a case where the blood glucose level is very high (above 180, and usually between 280-400)
- Hypo Case (Hypoglycemia Case): a case where the blood glucose level is very low (less than 70).
- The normal blood glucose level is between 80-120 for most diabetics.

Therefore, now you need to try to use our app and try to do this list of Tasks:

- Creating Profile Task
- Reading the Dashboard
- Add new Log Task
- Do The Hyper Case Task
- Do The Hypo Case Task
- Setting a profile Task
- Reading Body Values Task
- View Logbook Task
- View a specific log Task
- Edit a specific log

***Note:

While you are doing the tasks, please describe what you are doing using your voice.

Note: I have submitted the Figma prototype within this step, and then ask them after finish about each flow:

- How is the flow with Creating Profile Task? (Respond by your voice please)
- How is the flow in Reading the Dashboard Task? (Respond by your voice please)
- How is the flow with Add new Log Task? (Respond by your voice please)
- How is the flow with The Hyper Tips Task? (Respond by your voice please)
- How is the flow with Do The Hypo Tips Task? (Respond by your voice please)
- How is the flow with the Setting a profile Task? (Respond by your voice please)
- How is the flow with Reading Body Values Task? (Respond by your voice please)
- How is the flow with View Logbook Task? (Respond by your voice please)
- How is the flow with Edit Logbook Task? (Respond by your voice please)

3. Final Message:

- Thank you so much for participating. Our job now is to take this data and observe patterns with other respondents like you. All of this will help us to build a better diabetic assistant app experience for everyone - and your responses make this possible.

4. Test insights:

Here I have used the usability test template that made to test the low fidelity before to iterate the project. Please refer to each section in the following pages to see the insights from each participant test.

Section	Task Point	Participant No	Participants Notes	Pass/Fail
Build a profile	Understanding the splash screen and wait	1	The user understands and amazed and happy with that	Pass
		2	The user was happy and feels impressed while waiting	Pass
		3	The user understood the screen and feels comfortable	Pass
	Build a profile P1	1	The user was able to enter the name and weight very fast	Pass
		2	The user was able to enter the name and weight quickly	Pass
		3	The user normally provides its data	Pass
	Build profile P2	1	The user normally provides its data	Pass
		2	The user normally provides its data	Pass
		3	The user normally provides its data	Pass
Home	Recognize the	1	The user normally reads	Pass

(Dashboard)	Statistics part in dashboard		and understand the statistics part in the dashboard and was so happy by seeing them	
		2	The user was amazed of the dashboard look and normally reads and understand the statistics part in the dashboard	Pass
		3	The user was normally able to recognize, read and understand the statistics part.	Pass
	Navigate to New Log Screen From the dashboard	1	The user normally navigates to log screen	Pass
		2	The user normally navigates to log screen	Pass
		3	The user normally navigates to log screen	Pass
	Navigate to Profile From the Dashboard	1	The user normally navigates to profile screen	Pass
		2	The user normally navigates to profile screen	Pass
		3	The user normally navigates to profile screen	Pass
	Navigate to Logbook from the dashboard	1	The user normally navigates to profile screen	Pass
		2	The user normally navigates to profile screen	Pass
		3	The user normally navigates to profile screen	Pass
	The user navigates from the Dashboard to hyper tips or hypo tips	1	The user normally navigates to profile screen	Pass
		2	The user normally navigates to profile screen	Pass
		3	The user normally navigates to profile screen	Pass

NavBar	Navigating from the Hamburger Menu to any screen in the dashboard	1	The user normally navigates to any screen needed, and happy because of the appearance of the hamburger menu	Pass
		2	The user normally navigates to any screen needed, and happy because of the appearance of the hamburger menu	Pass
		3	The user normally navigates to any screen needed, and happy because of the appearance of the hamburger menu	Pass
	Navigating from the Hamburger Menu to Hyper tips	1	The user normally navigates to hyper tips screen	Pass
		2	The user normally navigates to hyper tips screen	Pass
		3	The user normally navigates to hyper tips screen	Pass
	Navigating to Hypo tips from Hamburger Menu	1	The user normally navigates to hypo tips screen	Pass
		2	The user normally navigates to hypo tips screen	Pass
		3	The user normally navigates to hypo tips screen	Pass
	Using the back icon	1	The user normally uses the back icon	Pass
		2	The user normally uses the back icon	Pass
		3	The user normally uses the back icon	Pass

New Log Screen	Able to fill the information of New Log Screen	1	The user normally filled its information	Pass
		2	The user has normally filled its the information	Pass
		3	The user normally filled its information	Pass
	Recognize that the doses (Total Dose, Carb dose, and Correction Dose) are appeared	1	The user recognized the doses calculation	Pass
		2	The user was able to recognize the doses calculation but takes more time	Needs improvements
		3	The user recognized the doses calculation	Pass
	Use the Save button	1	The user successfully used the save button	Pass
		2	The user successfully used the save button	Pass
		3	The user successfully used the save button	Pass
	Use the Delete button	1	The user successfully used the delete button	Pass
		2	The user successfully used the delete button	Pass
		3	The user successfully used the delete button	Pass
	Use the Cancel button	1	The user successfully used the Cancel button	Pass
		2	The user successfully used the Cancel button	Pass
		3	The user successfully used the Cancel button	Pass
	Recognize that the Screen is	1	The use successfully scrolled the screen	Pass

	scrollable	2	The use successfully scrolled the screen	Pass
		3	The use successfully scrolled the screen	Pass
	Recognize that the Hyper Tips and Hypo Tips are disabled initially	1	The user normally recognized it	Pass
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
	Recognize that the Hyper Tips and Hypo Tips will be activated based on the blood glucose level	1	The user normally recognized and used it after activation	Pass
		2	The user normally recognized and used it after activation	Pass
		3	The user normally recognized and used it after activation	Pass
	Navigate to Hyper tips/hypo tips from New Log Screen	1	The user normally navigates to the targeted screen	Pass
		2	The user normally navigates to the targeted screen	Pass
		3	The user normally navigates to the targeted screen	Pass
	Add notes to the log	1	The user normally added notes to the log	Pass
		2	The user normally added notes to the log	Pass
		3	The user normally added notes to the log	Pass
Logbook Screen	Select the Month	1	The user takes more time to select the month	Pass + Needs improvement

		2	The user normally selected the month	Pass
		3	The user normally selected the month	Pass
	Select the Year	1	The user takes more time to select the year	Pass + Needs improvement
		2	The user normally selected the year	Pass
		3	The user normally selected the year	Pass
	Select the Day	1	The user takes more time to select the day	Pass + Needs improvement
		2	The user normally selected the day	Pass
		3	The user normally selected the day	Pass
	Recognize that the list of logs appears in the logbook	1	The user normally preconized it	Pass
		2	The user normally preconized it	Pass
		3	The user normally preconized it	Pass
	Recognize the Log Card information	1	The user normally preconized it	Pass
		2	The user normally preconized it	Pass
		3	The user normally preconized it	Pass
	Navigate to Specific Log	1	The user normally navigated to the targeted screen	Pass
		2	The user normally navigated to the targeted screen	Pass
		3	The user normally	Pass

			navigated to the targeted screen	
	Download a PDF file of the logs	1	The user normally downloaded the file and was happy for this feature	Pass
		2	The user normally downloaded the file	Pass
		3	The user normally downloaded the file	Pass
	Recognize that the Screen is scrollable	1	The user normally scrolled the screen	Pass
		2	The user normally scrolled the screen	Pass
		3	The user normally scrolled the screen	Pass
	See the number of logs listed in the day chosen	1	The user normally recognized the number of logs	Pass
		2	The user normally recognized the number of logs	Pass
		3	The user normally recognized the number of logs	Pass
Log Screen	Recognize that all the fields are editable	1	The user normally recognized it	Pass
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
	Use the Save button	1	The user normally used it	Pass
		2	The user normally used it	Pass
		3	The user normally used it	Pass
	Use the Delete	1	The user normally used it	Pass

	button	2	The user normally used it	Pass
		3	The user normally used it	Pass
	Use the Cancel button	1	The user normally used it	Pass
		2	The user normally used it	Pass
		3	The user normally used it	Pass
Profile Screen - General Tab	Recognize that the fields are editable	1	The user normally modified its data	Pass
		2	The user normally modified its data	Pass
		3	The user normally modified its data	Pass
	Understand that the text below each field is explanation for each field	1	The user normally understood it	Pass
		2	The user normally understood it	Pass
		3	The user normally understood it	Pass
	Use The Save Button	1	The user normally used it	Pass
		2	The user normally used it	Pass
		3	The user normally used it	Pass
	Use The Cancel Button	1	The user normally used it	Pass
		2	The user normally used it	Pass
		3	The user normally used it	Pass
Profile Screen - Body Values Tab	Recognize that the fields are not editable	1	The user normally recognized it	Pass
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
	Recognize that	1	The user normally	Pass

	the values are changeable based on the information in general tab		recognized it	
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
Hyper Tips & Hypo Tips- Navigated from New Log Screen	Recognized that the Blood glucose level passed automatically, and the Correction dose is directly calculated	1	The user normally recognized it and amazed with that!	Pass
		2	The user was happy normally recognized it!	Pass
		3	The user normally recognized it	Pass
	Understand that he needs to check the steps 1 and 3 check-boxes when finish and step 2 will be directly checked after timer finish	1	The user normally understood it	Pass
		2	The user normally understood it and happy for the timer	Pass
		3	The user normally understood it	Pass
	Recognize the Start button for the timer in step 2	1	The user was happy normally recognized it!	Pass
		2	The user normally recognized it and amazed with that!	Pass
		3	The user normally recognized it and was fully satisfied of the different states of the button	Pass
	Click on Dismiss for the message timer finished alert	1	The user normally clicked on dismiss and navigated to the targeted screen	Pass
		2	The user normally clicked on dismiss and navigated to the targeted screen	Pass

		3	The user normally clicked on dismiss and navigated to the targeted screen	Pass
	Follow to step 3 and check the checkbox	1	The user normally checked it	Pass
		2	The user normally checked it	Pass
		3	The user normally checked it	Pass
	Recognize that the Done button is disabled initially	1	The user normally recognized it	Pass
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
	Recognize that the done button is activated in after all checkbox been checked	1	The user recognized it and happy of that	Pass
		2	The user normally recognized it	Pass
		3	The user normally recognized it	Pass
Hyper Tips- Navigated from Hamburger menu	Recognize that the blood glucose level needs to be entered	1	The user normally recognized and entered it	Passed
		2	The user normally recognized and entered it	Passed
		3	The user normally recognized and entered it	Passed
	Recognize that the correction dose will be calculated after the blood glucose level entered	1	The user normally recognized	Passed
		2	The user normally recognized	Passed
		3	The user normally recognized	Passed

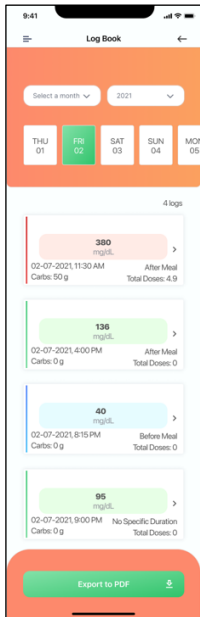
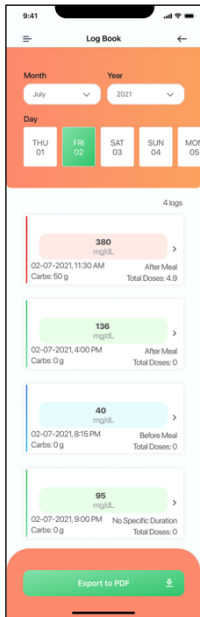
Annotated Iterations based on Data & KPIs

- The Iterated flows:

In this stage, the usability test is done with using the Lookback tool with recruiting of 3 participants. The free

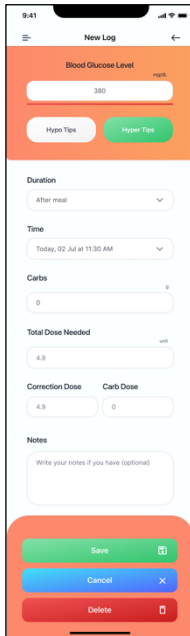
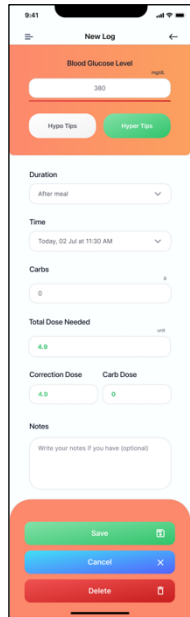
1. Logbook flow:

The following table clarify the Data, chosen KPIs method, and the hypothesis, User flow, the, and the screen shots from the modification process.

Data	The Logbook flow has 33.3% drop-off rate	
KPI method	Increasing the task success rate	
User flow	The Logbook user flow: choosing the month, year, and day to view the log lists	
Hypothesis	The drop-down menus for date and month, and the day picker are not having a title label refer to them, Adding a title label will increase the success rate.	
Modification Screen shot	<ul style="list-style-type: none"> Before: 	<ul style="list-style-type: none"> After: 

2. New log flow:

The following table clarify the Data, chosen KPIs method, and the hypothesis, User flow, the, and the screen shots from the modification process.

Data	The Logbook flow has 33.3% drop-off rate	
KPI method	decrease time on task	
User flow	The New log user flow: noticing the total does, carb dose and correction dose calculation and appearing on the screen after entering the amount of carb that will be digested.	
Hypothesis	The calculation of the doses is not noticed because the color and weight of the first view are just like any filled text. Changing its color and weight for the first seconds of calculation will decrease the time for noticing that it is calculated and appeared.	
Modification Screen shot	<p>• Before:</p> 	<p>• After:</p> 

You can refer to the same screens in the frame under the title of (**High-Fidelity Mockup (Screens) - after KPIs iteration**) in the following project link:

<https://www.figma.com/file/tlbZ9Xyden6hSajgyF7SSU/Final-Diabetic-Mate-Create-and-Improve-High-Fidelity-Prototype?node-id=0%3A1>

Handoff design with Zeplin

- Refer to the following link:

<https://zpl.io/bLJ0qyB>

Final High – Fidelity Clickable Prototype

Refer to the following link:

<https://www.figma.com/proto/tlbZ9Xyden6hSajgyF7SSU/Final-Diabetic-Mate-Create-and-Improve-High-Fidelity-Prototype?page-id=0%3A1&node-id=1%3A57764&viewport=241%2C48%2C0.27&scaling=scale-down&starting-point-node-id=1%3A54447>