



Breastfeeding Timer Mobile App

Presented By: Syreeta Niblett

Project Objective: To create a breastfeeding timer app that helps parents track how long their children are feeding, from which side, and how often. The app should be easy to use and understand, and it should provide parents with the information they need to make informed decisions about their children's feeding habits.

Based on the list of requirements, I would recommend these below features as the MVP:

1. Provide the user with an interface for timing how long they breastfeed
2. Allow users to time how long they are nursing from each side independently.
3. Allow users to pause the timer and switch sides.
4. Support users who are nursing more than one child at a time
5. The ability to edit feeding times in case they forgot to stop the timer.
6. Provide another interface that allows the user to see a summary of when and how long they last fed a child, including how much time they spent feeding a child on each side individually and in total.

I feel as though these features speak to the core value of the app and will have the quickest delivery time to the users.

Breakout MVP Features:

Breastfeeding Timer Interface: I would rely on the backend engineers for this feature. We would need to consider some type of database to store feeding time data or set up an API to access this stored data.

Allow User to Pause and Switch Sides: I would rely heavily on the mobile engineers and UI team. Within the UI, there would need to be a feature to select the sides that they are nursing from.

Each of these would also need heavy QA testing as we would need to verify that the times are displaying and tracking correctly.

Clarification: There are a few follow-up questions I had pertaining to some of the requirements which would be:

1. Supporting Multiple Children: How will the app differentiate between the children in terms of separating and tracking their feeding sessions? Two Profiles?
2. How should the app handle interruptions during app use? Will the time automatically stop/pause?
3. Editing: Will the parent be able to edit past sessions as well as current sessions?
4. What would be some of the system factors to consider when designing the app for IOS and Android?

Complex/Risk Factor: I feel as though one of the features with the highest complexity would be the ability to continue using the app while it is running in the background.

My concern would be that while the app is in the background, we are relying on it to keep track of the current and elapsed time. If the app, let's say crashes, will all that data then be lost?

Another factor to consider is the amount of battery drainage caused by having the app continuously run in the background.

I would recommend that this feature be a high priority upon the initial MVP release and provide enough time for planning and research.

Categories/Milestones: After the initial MVP release, I would break the remaining Non-MVP features into 3 releases.

- MVP Release (4 weeks)
- Release 2 (1 month after MVP release) – Background App Functionality
- Release 3 (2 months after Release 2) – Feeding History at a Glance
- Release 4 (2-3 months after Release 3) – Long Term Data Analysis

Below I have created a Confluence Requirements page which includes:

- A breakdown of each requirement into a high-level user story
- A Jira Epic for this project
- Jira ticket links for each requirement which includes stories and sub-tasks
- A Milestone Roadmap
- Open Requirement Questions



Breastfeeding Timer App

Target release	Jun 21, 2023 MVP Release
Epic	BTAOH-2: Breastfeeding Timer App TO DO
Business Analyst	@SyreetaNiblett
Project Manager	@SyreetaNiblett
UX Designer	
QA	

Objective

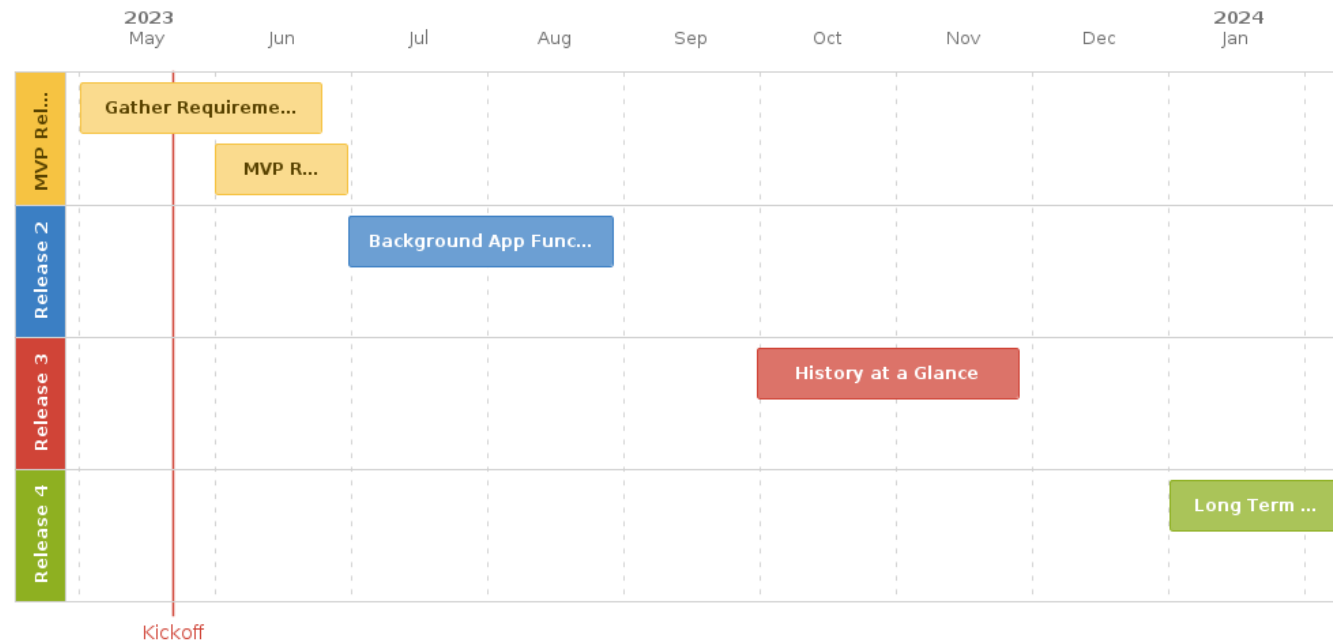
To create a breastfeeding timer app that helps parents track how long their children are feeding, from which side, and how often. The app should be easy to use and understand, and it should provide parents with the information they need to make informed decisions about their children's feeding habits.

Requirements

Requirement	User Story	Importance	Jira Issue	Notes
Timer Duration	As a breastfeeding parent, I want to be able to time how long I breastfeed my child so that I can track their feeding habits.	HIGH	BTAOH-3: Build a Timer Duration Tracker TO DO	
Pause Capability	As a breastfeeding parent, I want to be able to pause the timer and switch sides so that I can take a break or reposition my child without losing track of how long they have been feeding.	HIGH	BTAOH-4: Ability to Pause Timer TO DO	
Dual Side Tracker	As a breastfeeding parent, I want to be able to time how long I breastfeed my child from each side so that I can make sure I am giving them equal time.	HIGH	BTAOH-5: Dual Side Tracker Function TO DO	
Multiple Child Functionality	As a breastfeeding parent, I want to be able to support multiple children so that I can track the feeding habits of all of my children in one place.	HIGH	BTAOH-6: Support Multiple Children Functionality TO DO	
Summary	As a breastfeeding parent, I want to be able to see a summary of when and how long I last fed my child, including how much time they spent feeding on each side individually and in total.	HIGH	BTAOH-7: Ability to View Summary of Data TO DO	
Edit Data	As a breastfeeding parent, I want to be able to edit feeding times in case I forgot to stop the timer or if I need to make a correction.	HIGH	BTAOH-8: Ability to Edit Data TO DO	
Breastfeeding History	As a breastfeeding parent, I want to be able to see which side I previously fed from at a quick glance so that I can make sure I am alternating sides.	MEDIUM	BTAOH-9: View Breastfeeding History TO DO	

Data Analysis	As a breastfeeding parent, I want to be able to see a longer term analysis of how much time I spent feeding a particular child over days or weeks and from which side.	MEDIUM	BTAOH-10: View Data Analysis Report <small>TO DO</small>	
Background	As a breastfeeding parent, I want to be able to leave the timer screen and have the timer continue running so that I can do other things while my child is feeding.	MEDIUM	BTAOH-11: Breastfeeding App Background Capabilities <small>TO DO</small>	

Milestones



? Open Questions

Question	Answer	Date Answered
For the parent that is supporting more than one child at a time, should there be a separate timer for each child or will there be a combined timer for both children?		
Running an app in the background may be challenging. Are there any platform restrictions we should consider? Will the timer stop/pause?		
What is the overall project budget?		
Will we support editing past feeding sessions?		

! Out of Scope

- Live Chat support Feature
- The ability to set reminders or notifications for feeding sessions
- Integration with other apps (Ex. A feeding log to track the amount of milk consumed by the child, weight tracker)
- The ability to track how long the parent has pumped and from which side