CPSC 473 - Web Programming and Data Management

Section: 01

Graduate Programming Project – Spring 2016

Special Moments

Done by: Sarah Alfayez

Project Description:

Special Moments is a mobile application built using **Apache Cordova/PhoneGap** cross-platform framework. This application will be very useful for daycare centers and parents to know the status of their children while they are in the daycare. It is a single page (index.html) app built using **jQuery Mobile**. It allows parents to sign in a check their child's information such as (feeding, bathroom, activities, naps, and notes from caregivers). The caregivers can sign in and enter real-time updates for parents with information such as feeding, bathroom, naps, activities, and make notes for parents). For the time being, the application has one parent, one caregiver, and one child.

Application functionalities:

- Sign in to access the account for parents and caregivers using username and password
- The caregiver shall be able to add feeding information.
- The caregiver shall be able to add bathroom information.
- The caregiver shall be able to add nap information.
- The caregiver shall be able to add activities information.
- The caregiver shall be able to add notes for the parents.
- The parent shall be able to view the child's feeding information.
- The parent shall be able tot view the child's bathroom information.
- The parent shall be able to view the child's nap information.
- The parent shall be able to view the child's activities information.
- The parent shall be able to view the notes from the caregiver.
- The parent and caregiver shall be able to logout.

Application Pre-requisites:

1. Apache Cordova or PhoneGap.
2. Json-server module.
3. Git
4. Internet connection.

5. HTTP server running on port 8000 to run Csordova on (Make sure the port is available).
6. Json-server running on port 3000 (Make sure the port is available).

Installation and Setup Instructions:

1. Download or clone the Special Moments repository from GitHub using the following URL:
2. Run the application using the following commands:
    - cordova run browser
    - json-server db.json

Note: The application has been tested on the browser only.

Project Demonstration:

1. Figure 1 shows the landing page of the project.

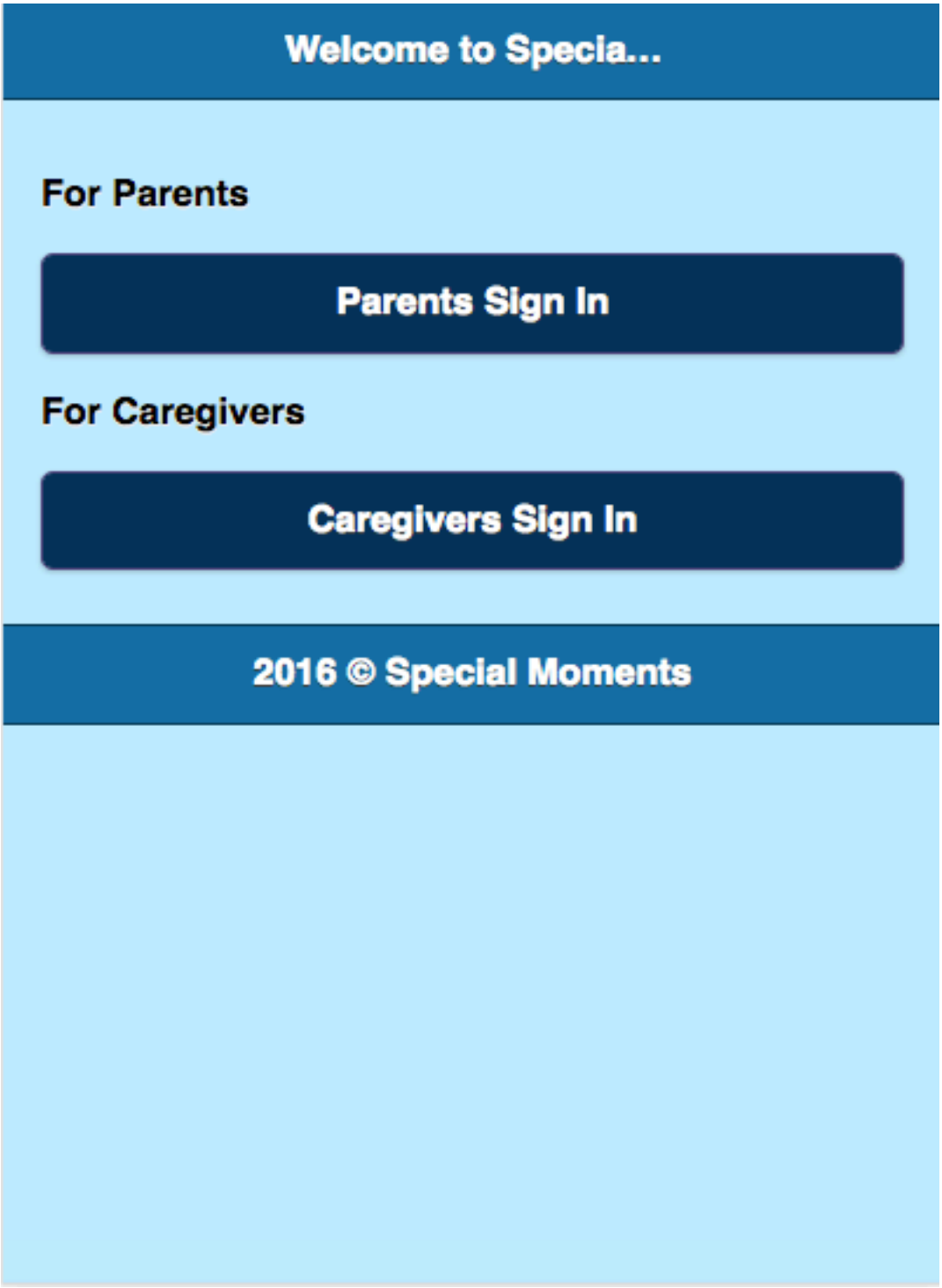

Figure 1: Landing Page

2. Figure 2 shows the sign in page for the caregivers and the parents.

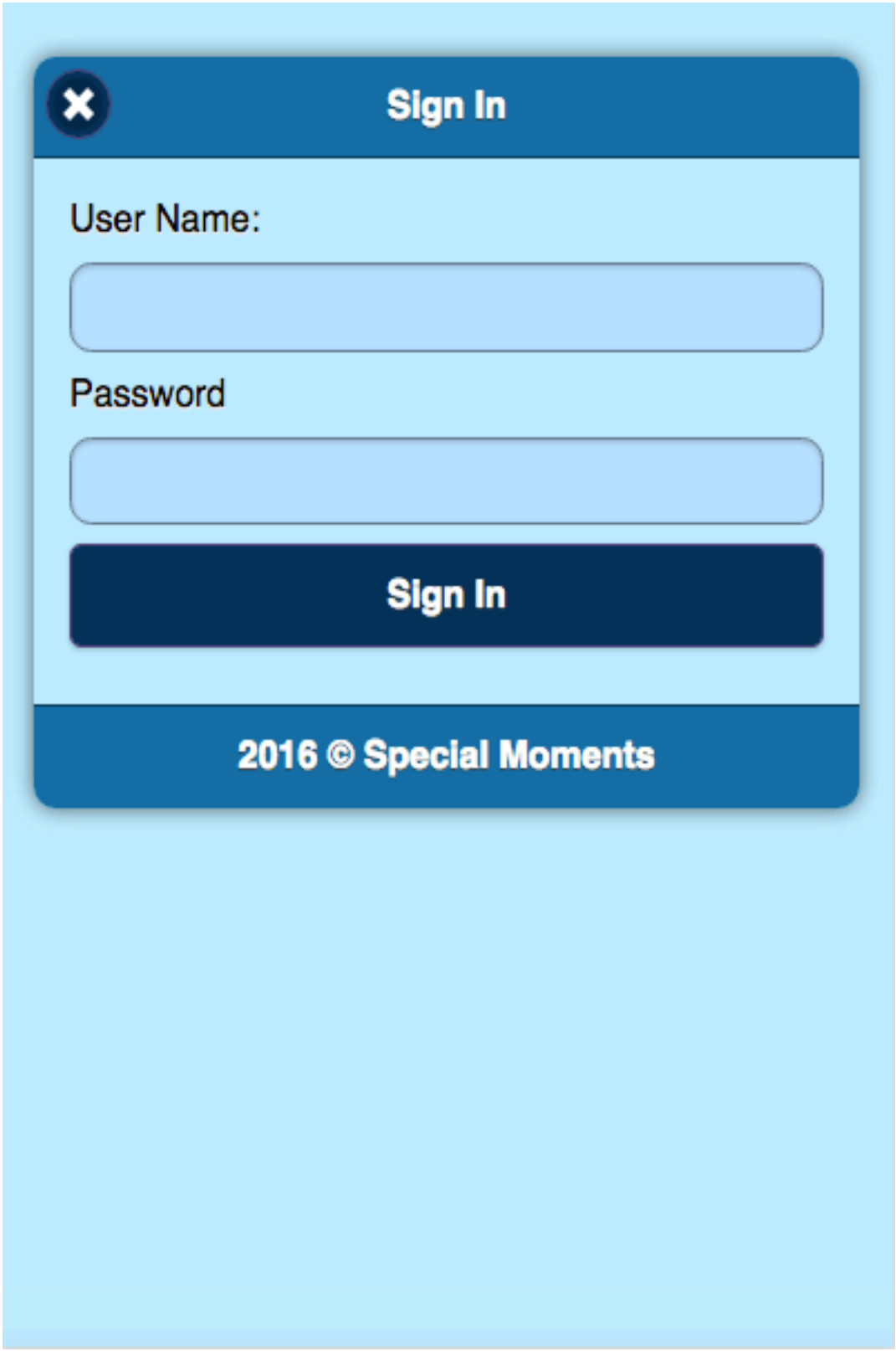

Figure 2: Sign In Page

3. Figure 3 shows the sign in for the registered parent with username “sarah” and password “12345”.

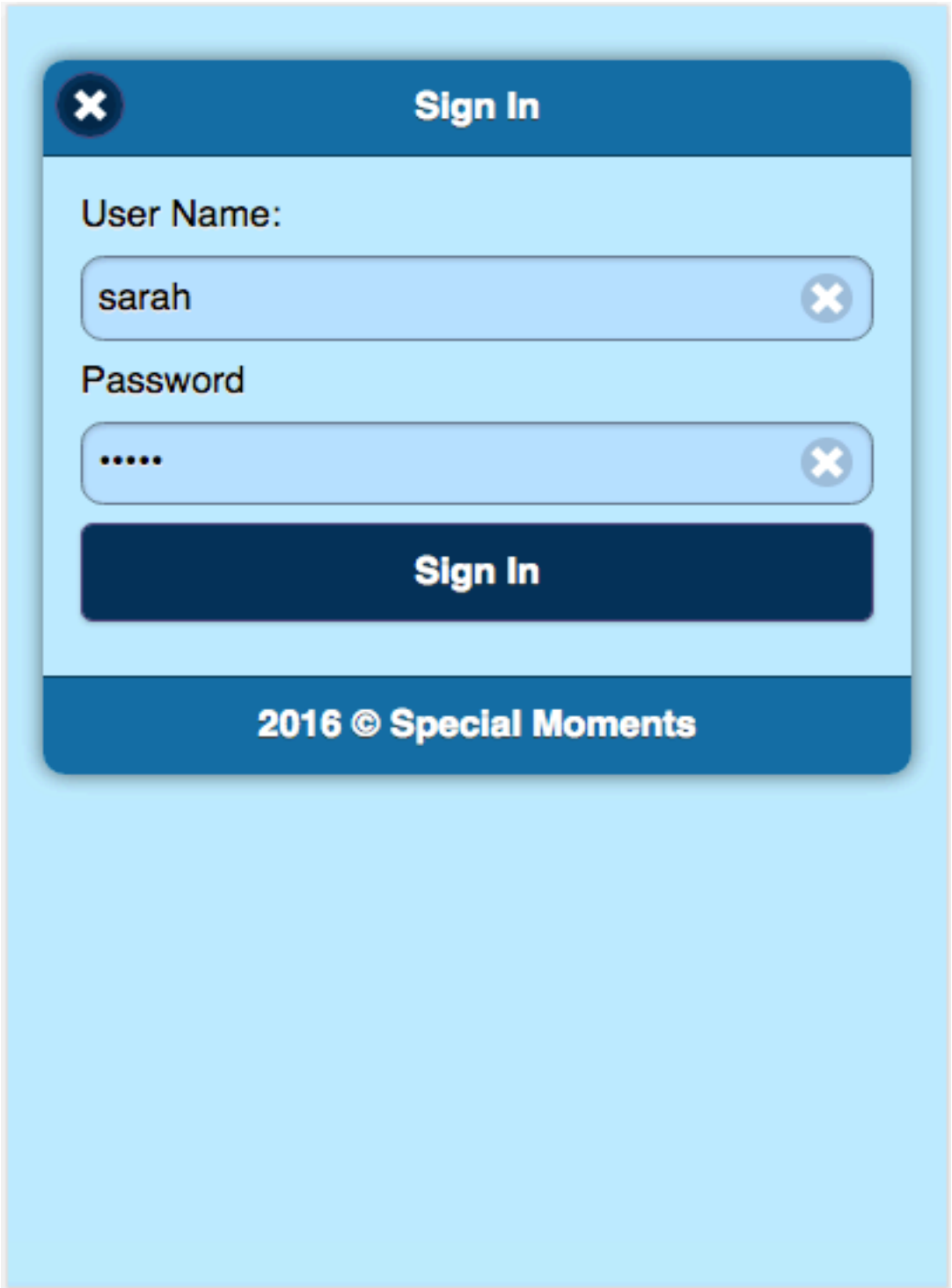

Figure 3: Parent Sign In

4. Figure 4 shows the sign in for the registered caregiver with username “nancy” nad password “12345”.

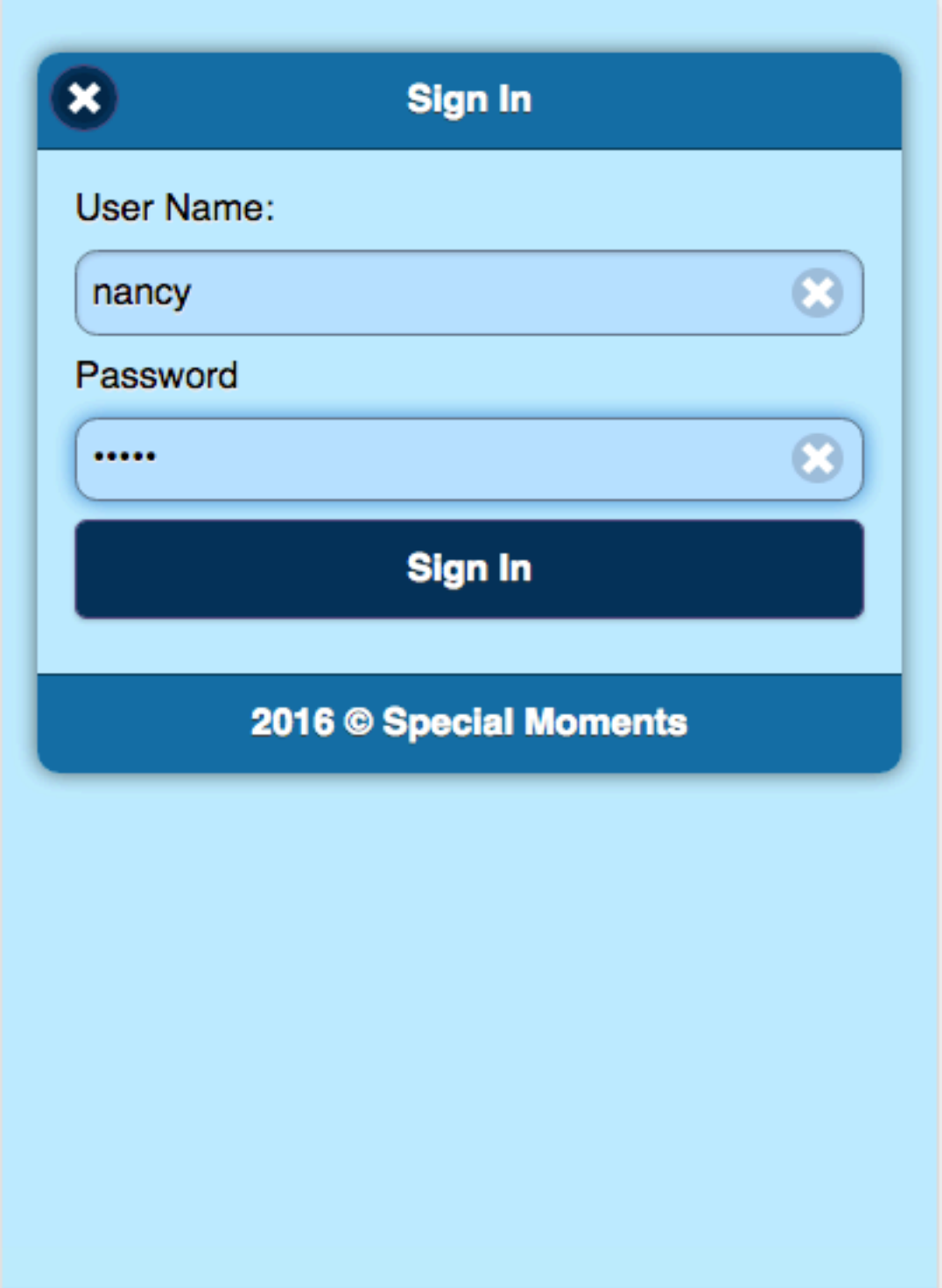

Figure 4: Caregiver Sign In

5. Figure 5 shows the parent's main page including tabs for food, bathroom, naps, activities, notes, and photos. The numbers on the right show how many updates each category has.

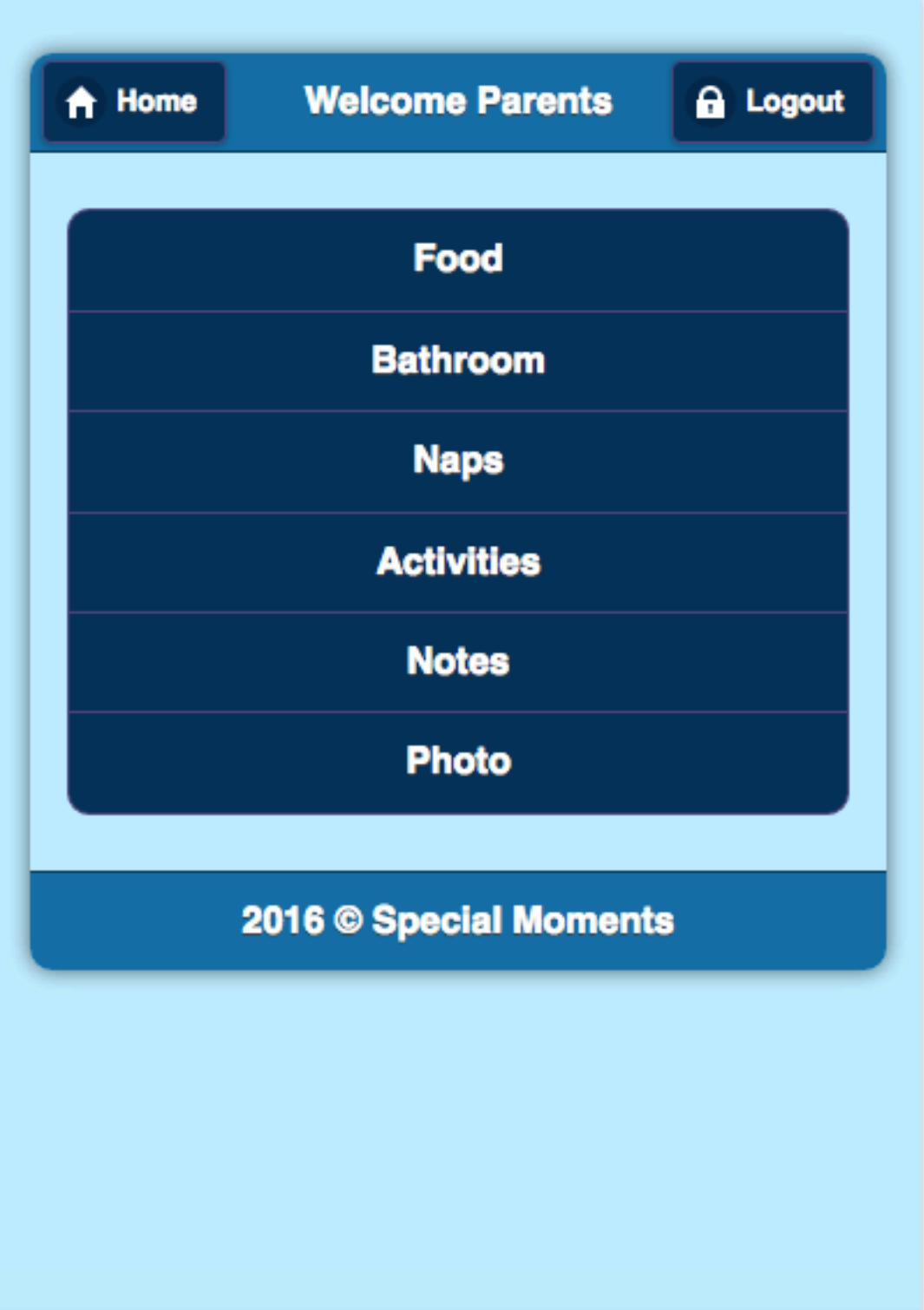

Figure 5: Parents Main Page

6. Figure 6 shows the caregiver's main page with tabs for food, bathroom, naps, activities, notes, and camera.

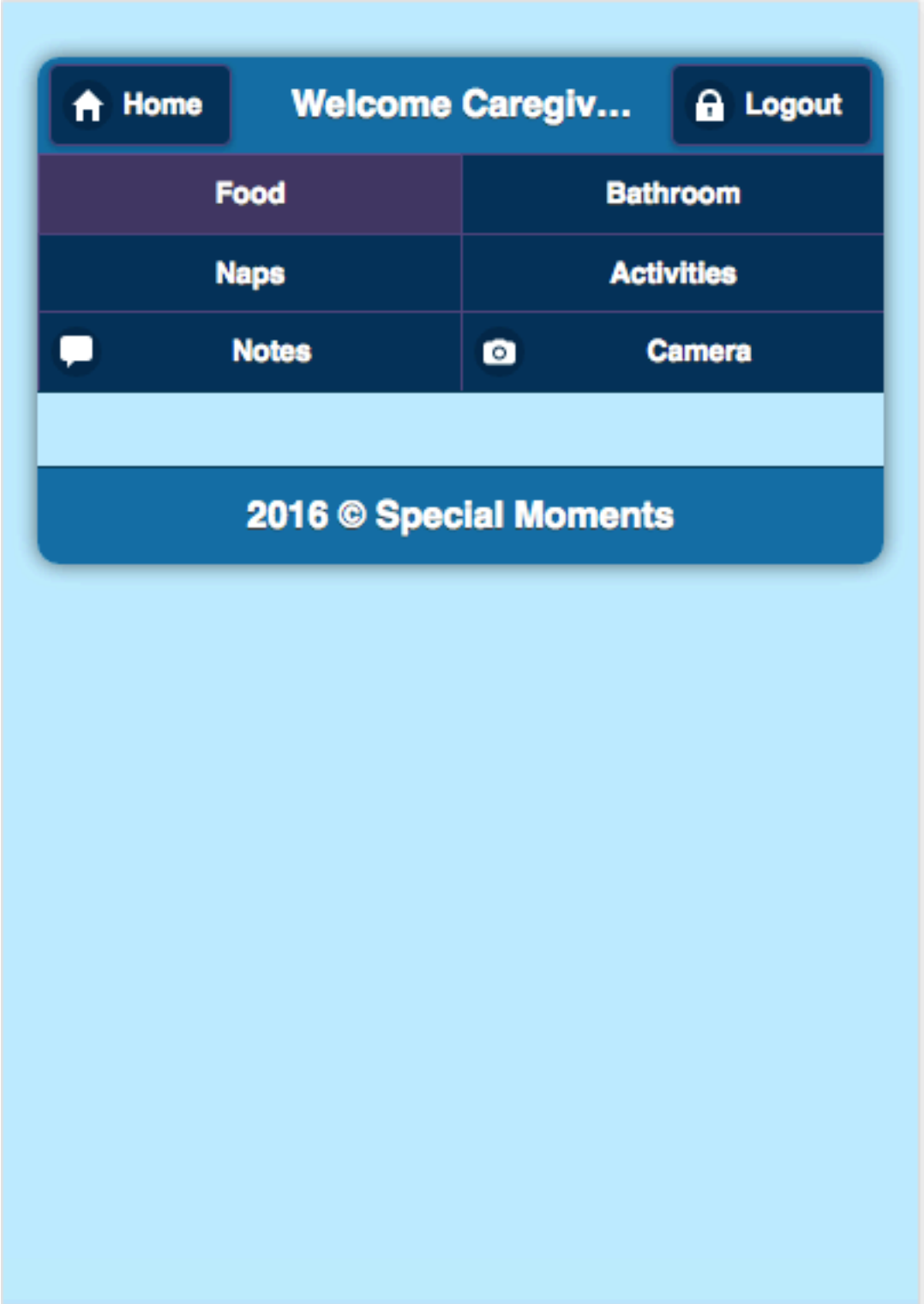

Figure 6: Caregiver Main Page

7. Figure 7 shows the food tab for the parent.

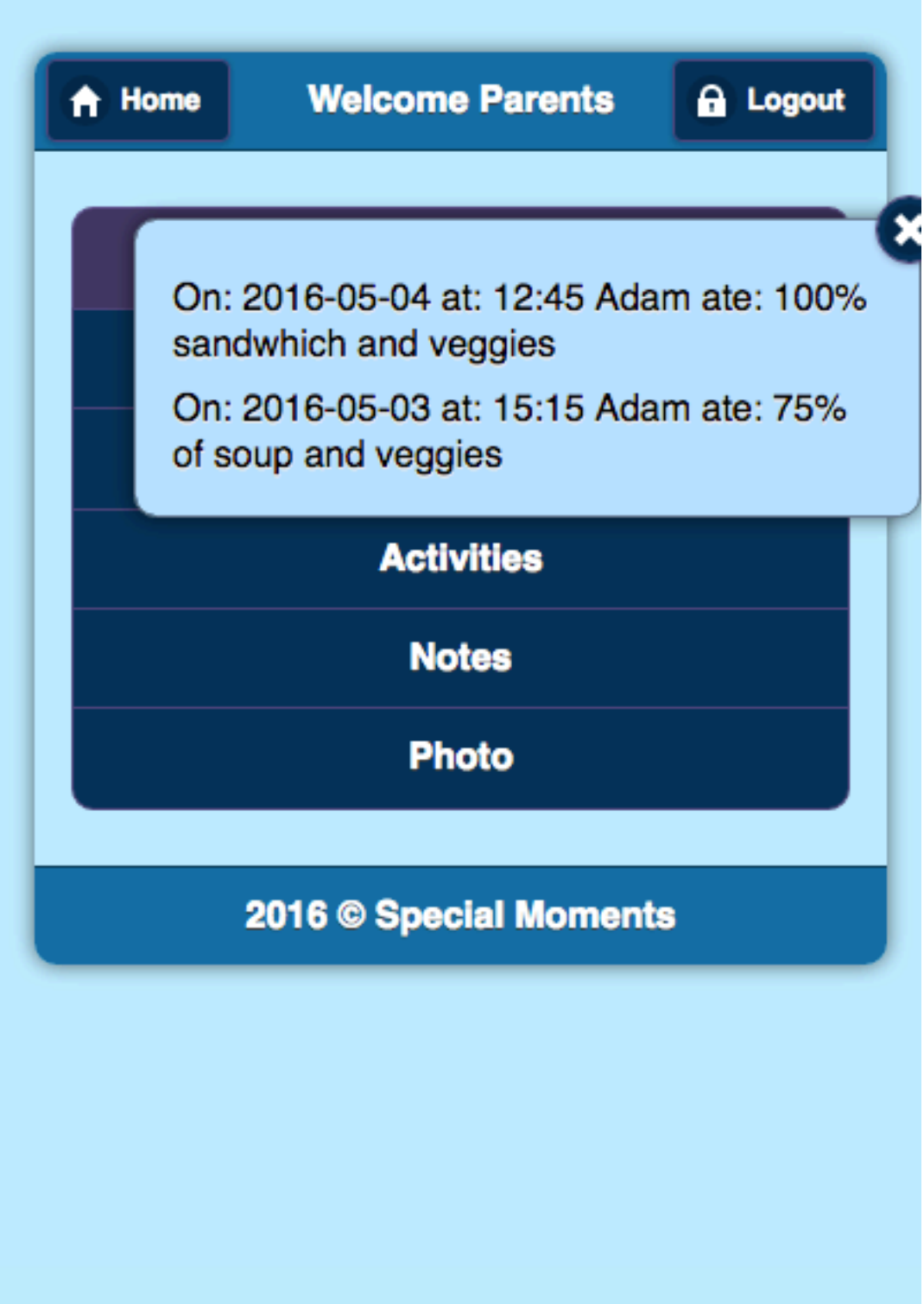

Figure 7: Parents Food View

8. Figure 8 shows the bathroom tab for the parent.

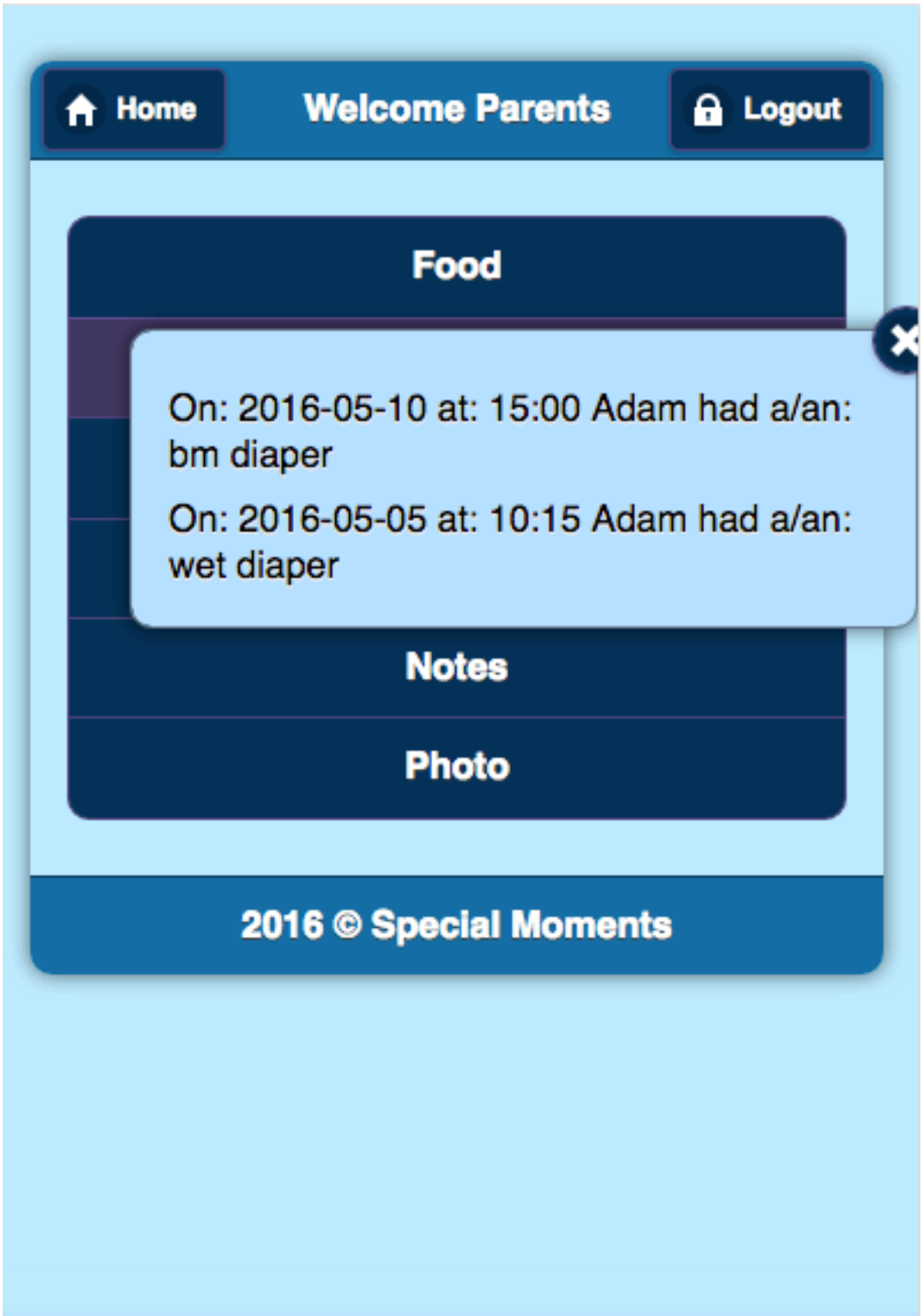

Figure 8: Parents Bathroom View

9. Figure 9 shows the naps tab for the parent.

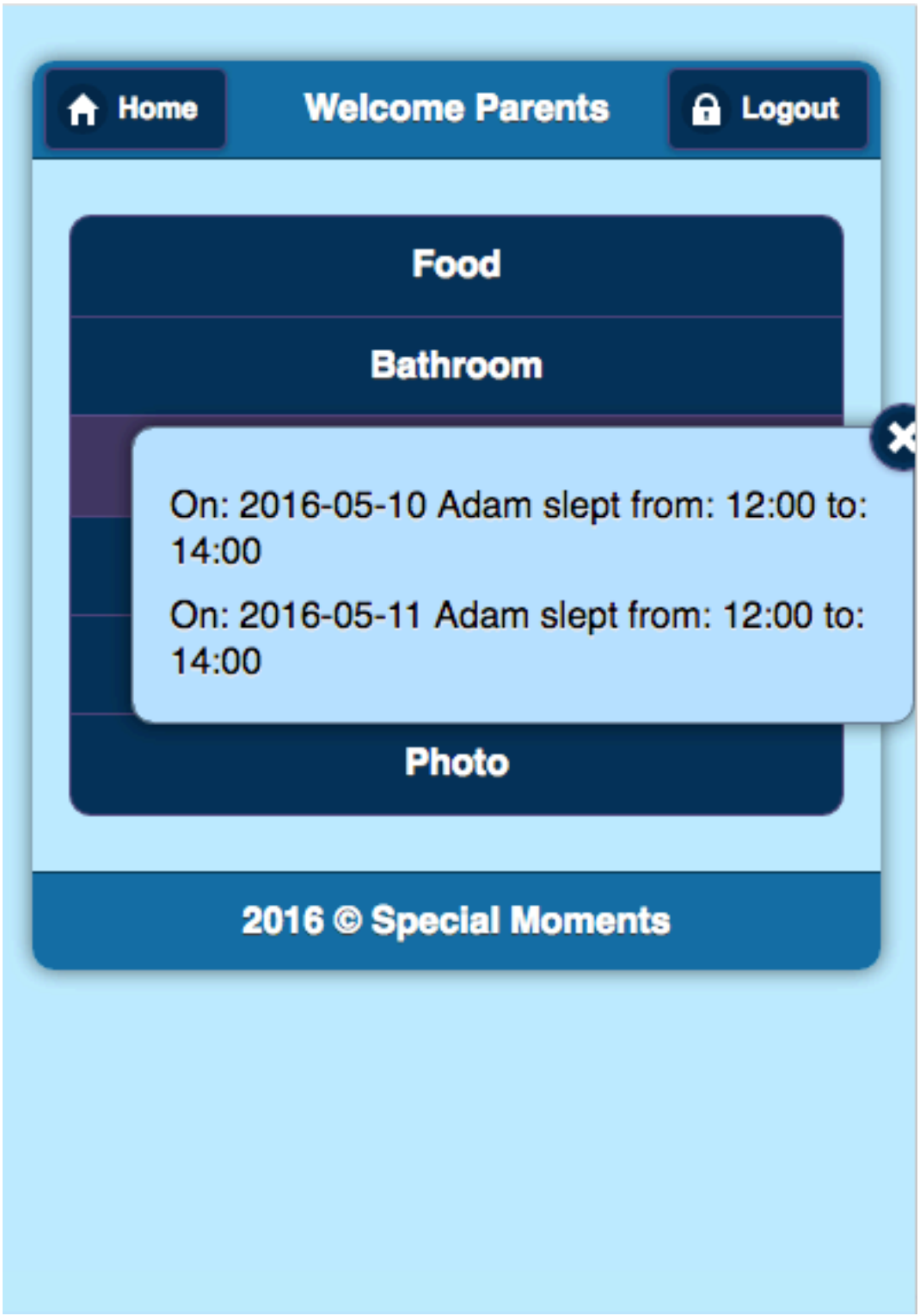

Figure 9: Parents Naps View

10. Figure 10 shows the activities tab for the parent.

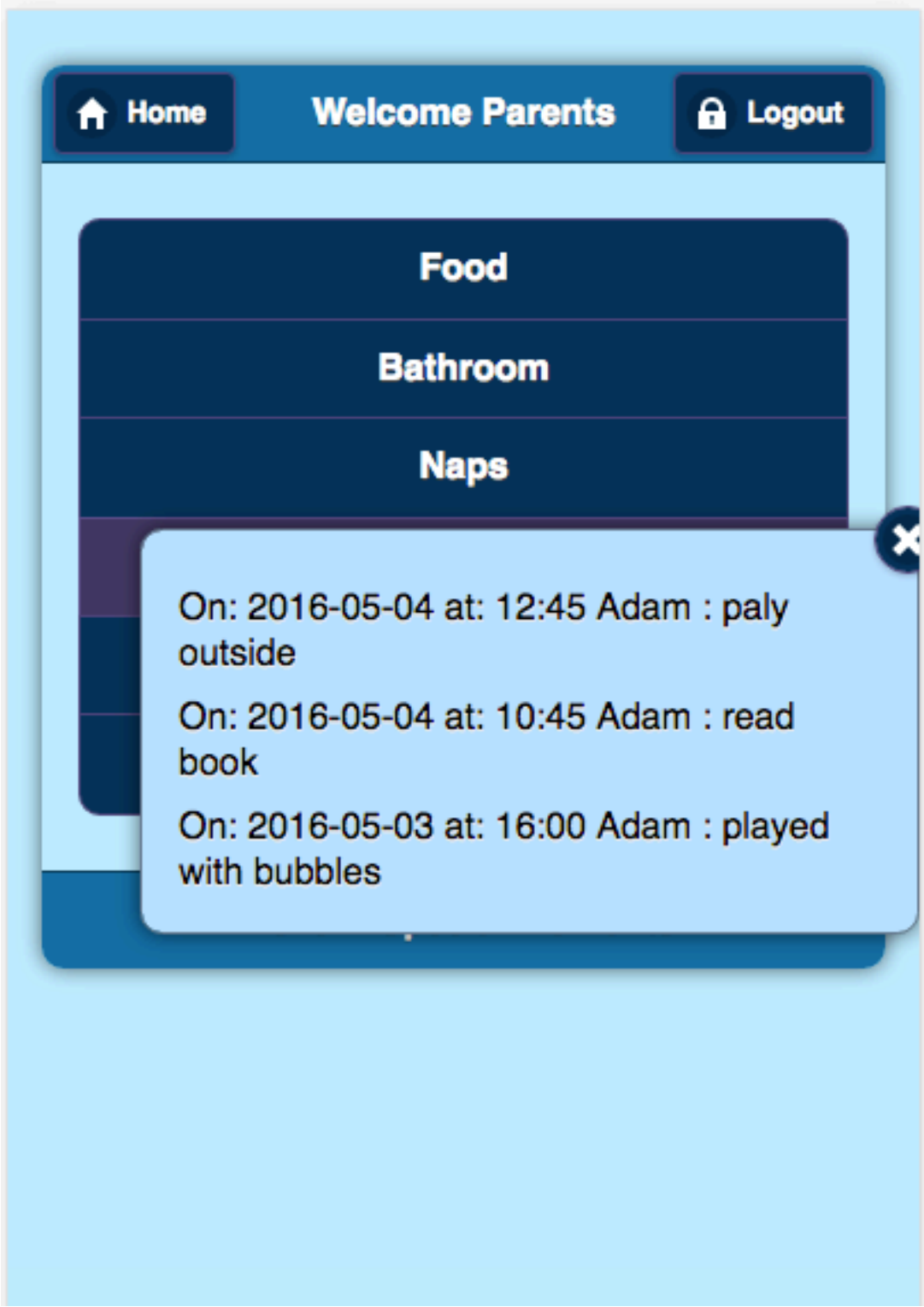

Figure 10: Parents Activities View

11. Figure 11 shows the notes tab for the parent.

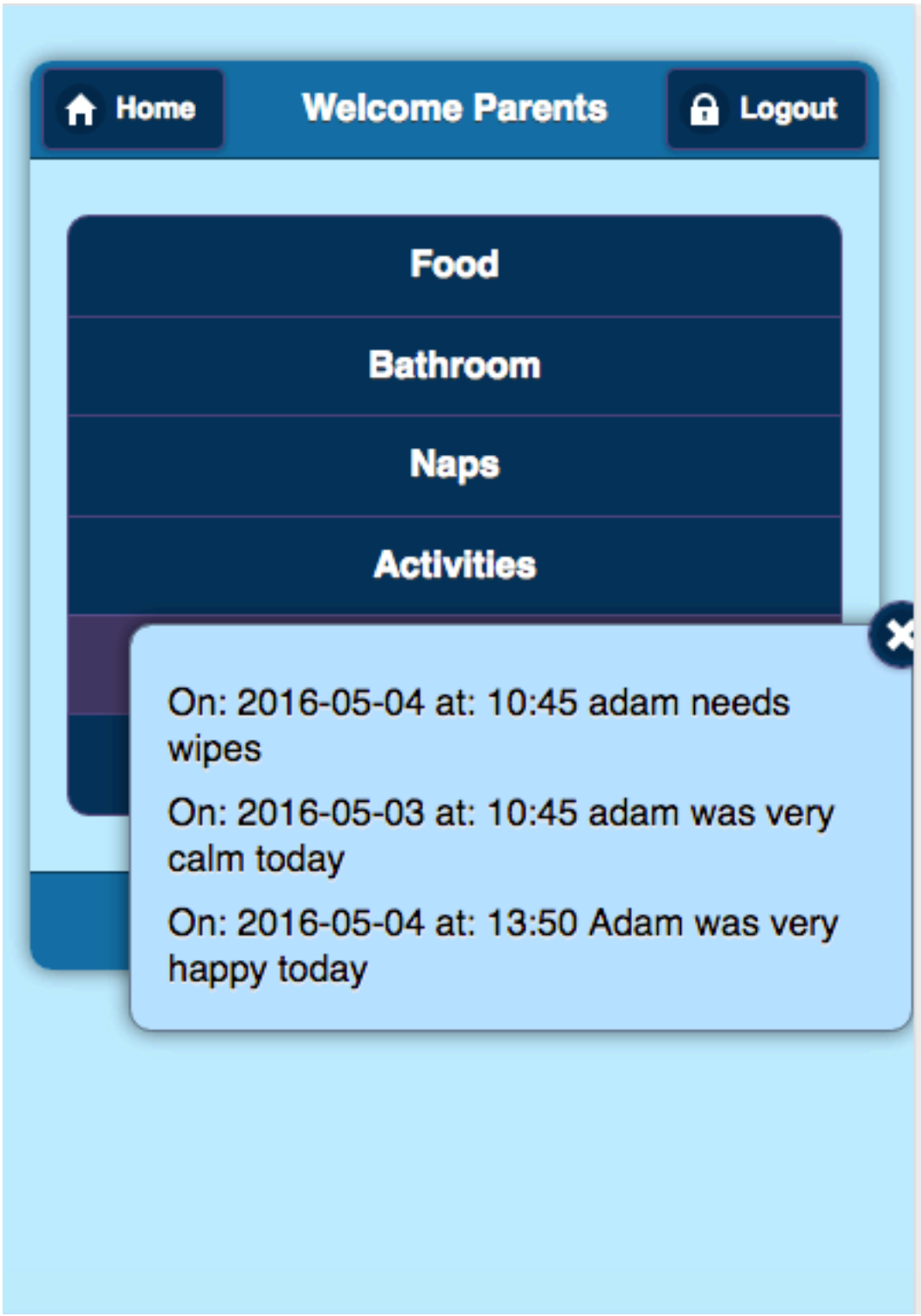

Figure 11: Parents Notes View

12. Figure 12 shows the food popup for the caregiver with a form including the date, time, and food the child ate. Then, in figure 13 a message will show that the food has been added successfully.

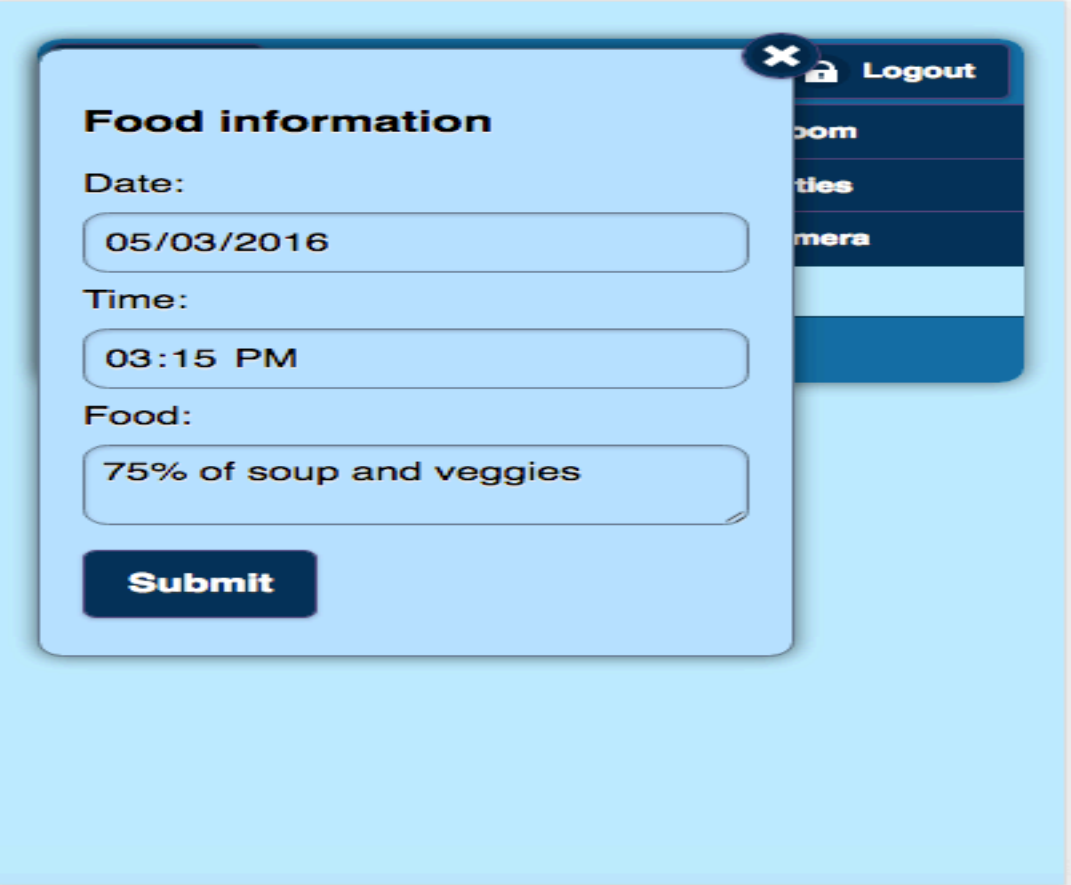

Figure 13: Adding Food Information

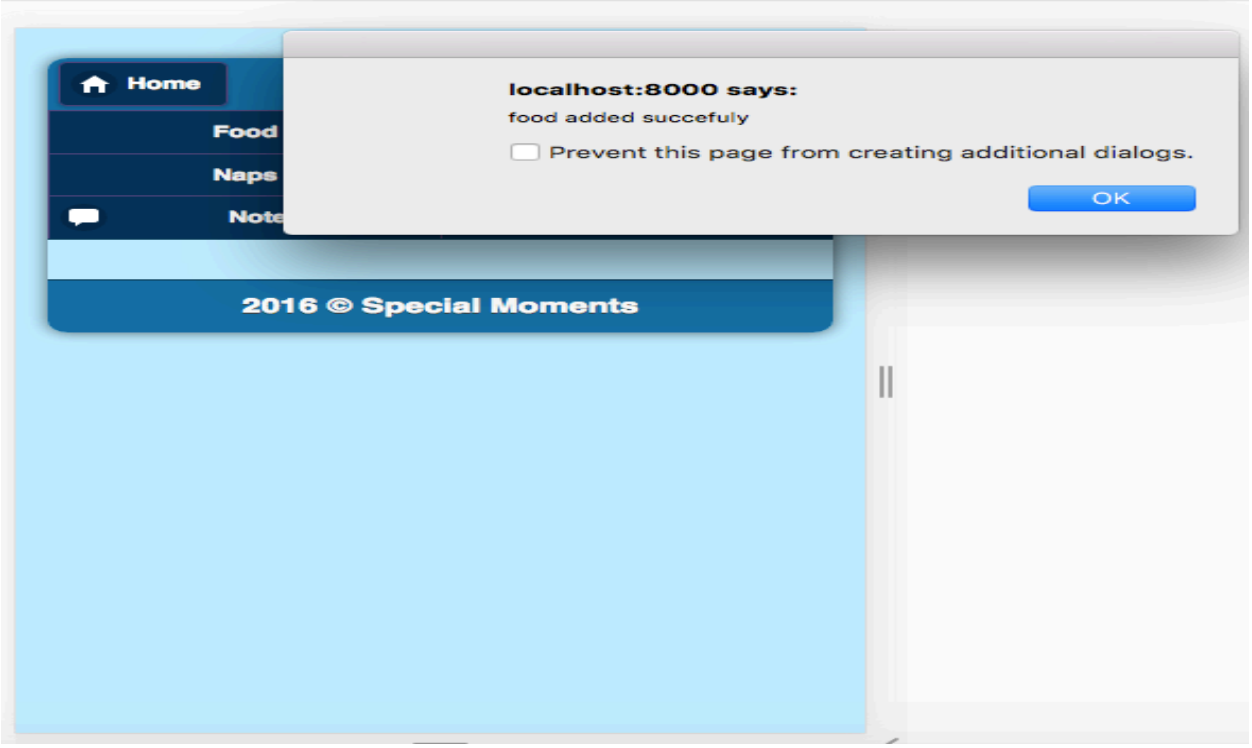

Figure 13: Success Message when adding food

13. Figure 14 shows the bathroom popup with a form including the date, time, and type either dry, wet, or bowel movement. Then, in figure 15 a message will show that the bathroom information has been successfully added.

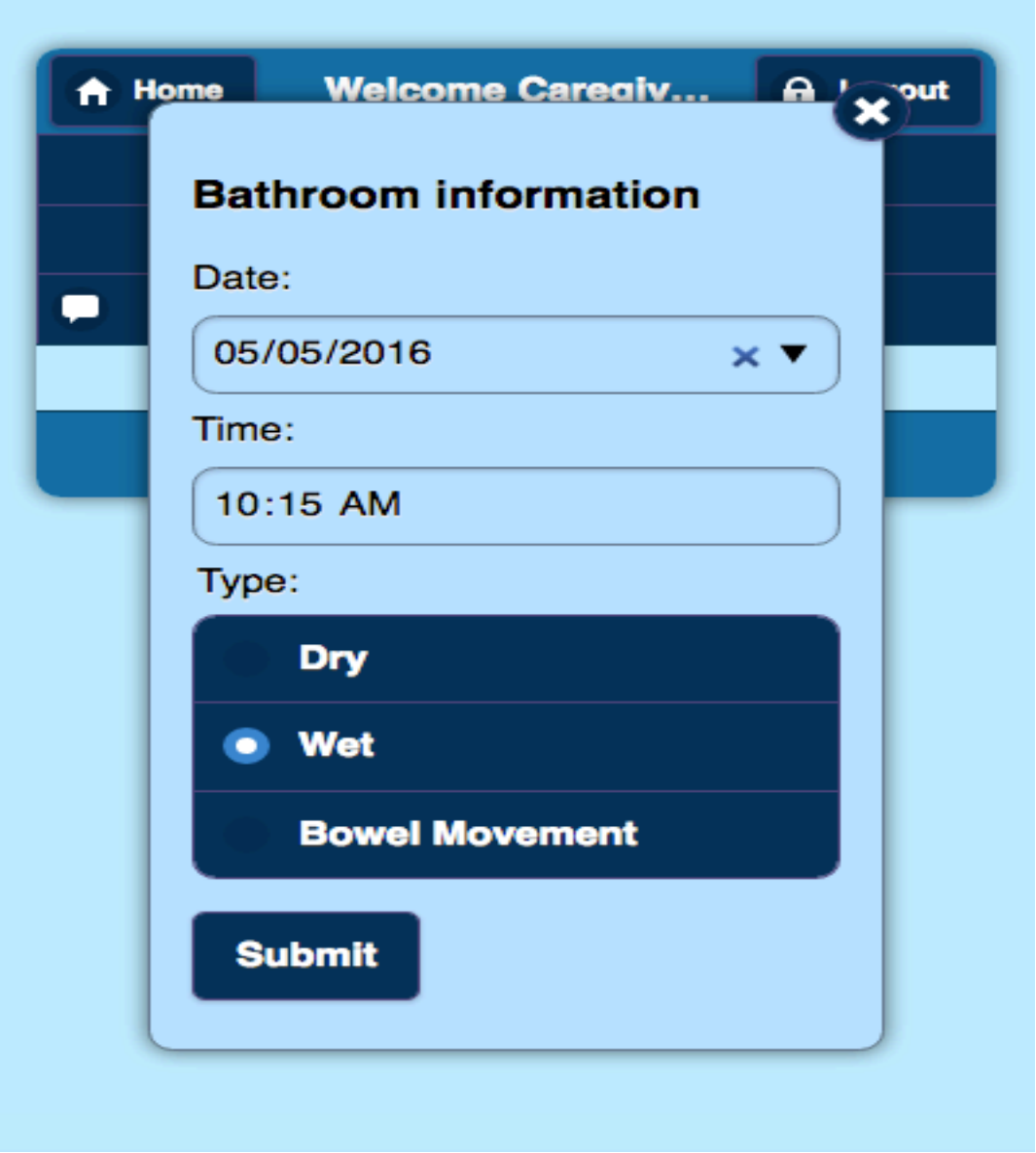

Figure 14: Adding Bathroom Information

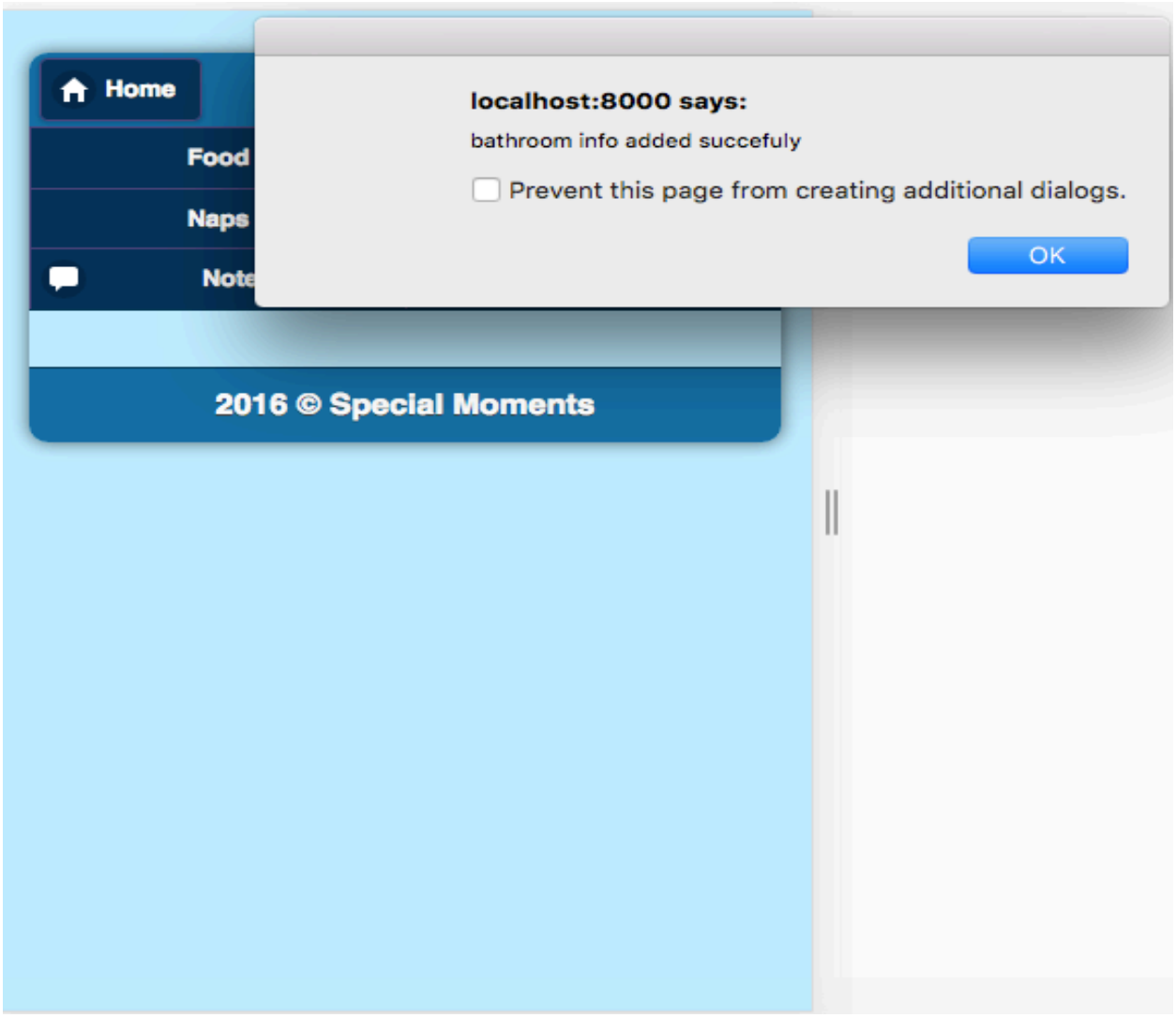

Figure 15: Success Message when adding bathroom information

14. Figure 16 shows the naps popup with a form including the date and from and to time. Then, a success message will appear.

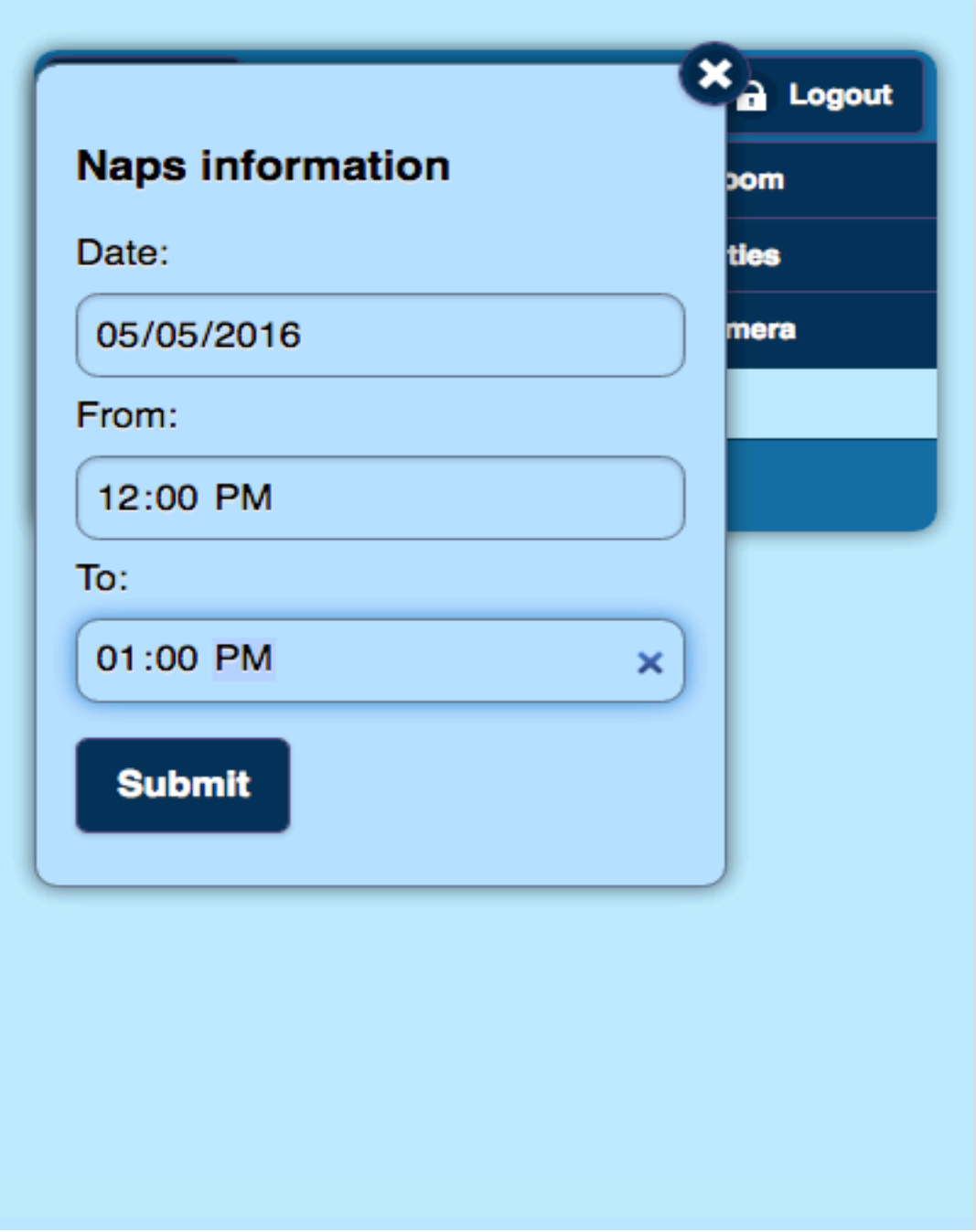

Figure 16: Adding Nap Information

15. Figure 17 shows the activities popup with a form including the date, time, and activity the child participated in. Then, a success message will appear.

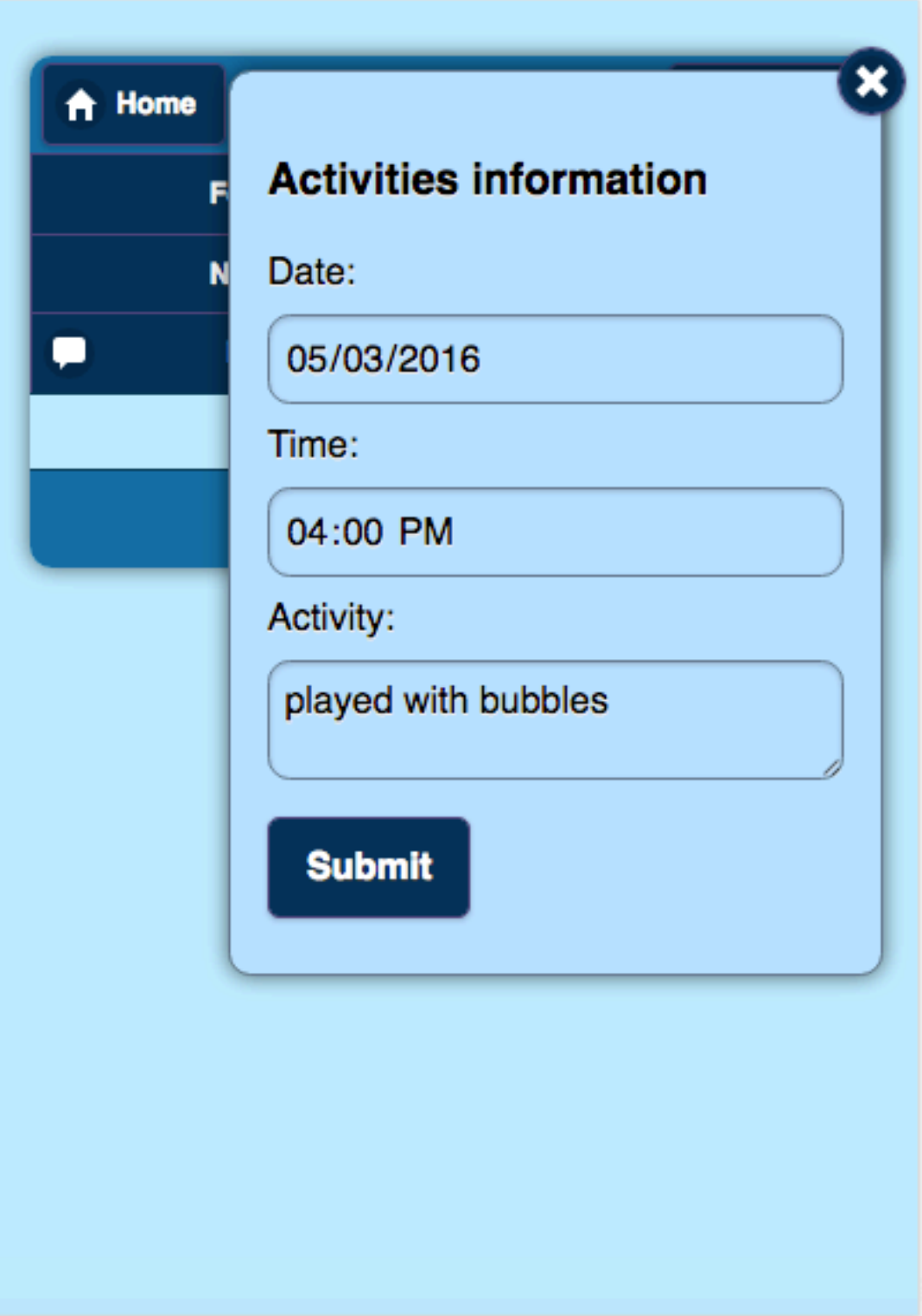

Figure 17: Adding Activity Information

16. Figure 18 shows the notes popup with a form including the date and note to the parent.

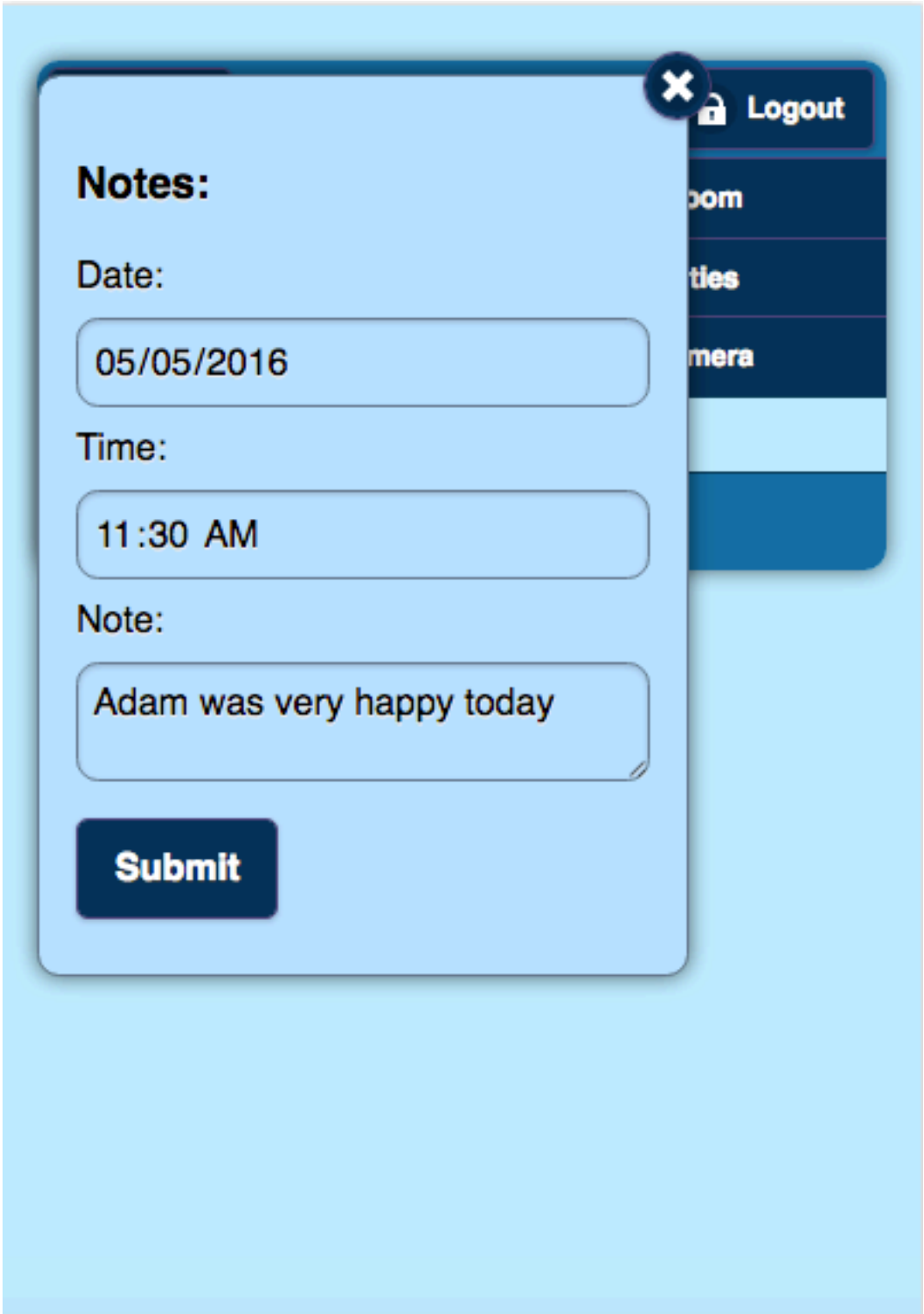

Figure 18: Adding Note Information