

**CPSC 473 - Web Programming and Data Management**

**Section: 01**

**Graduate Programming Project – Spring 2016**

# **Special Moments**

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## **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 and 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 to 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).

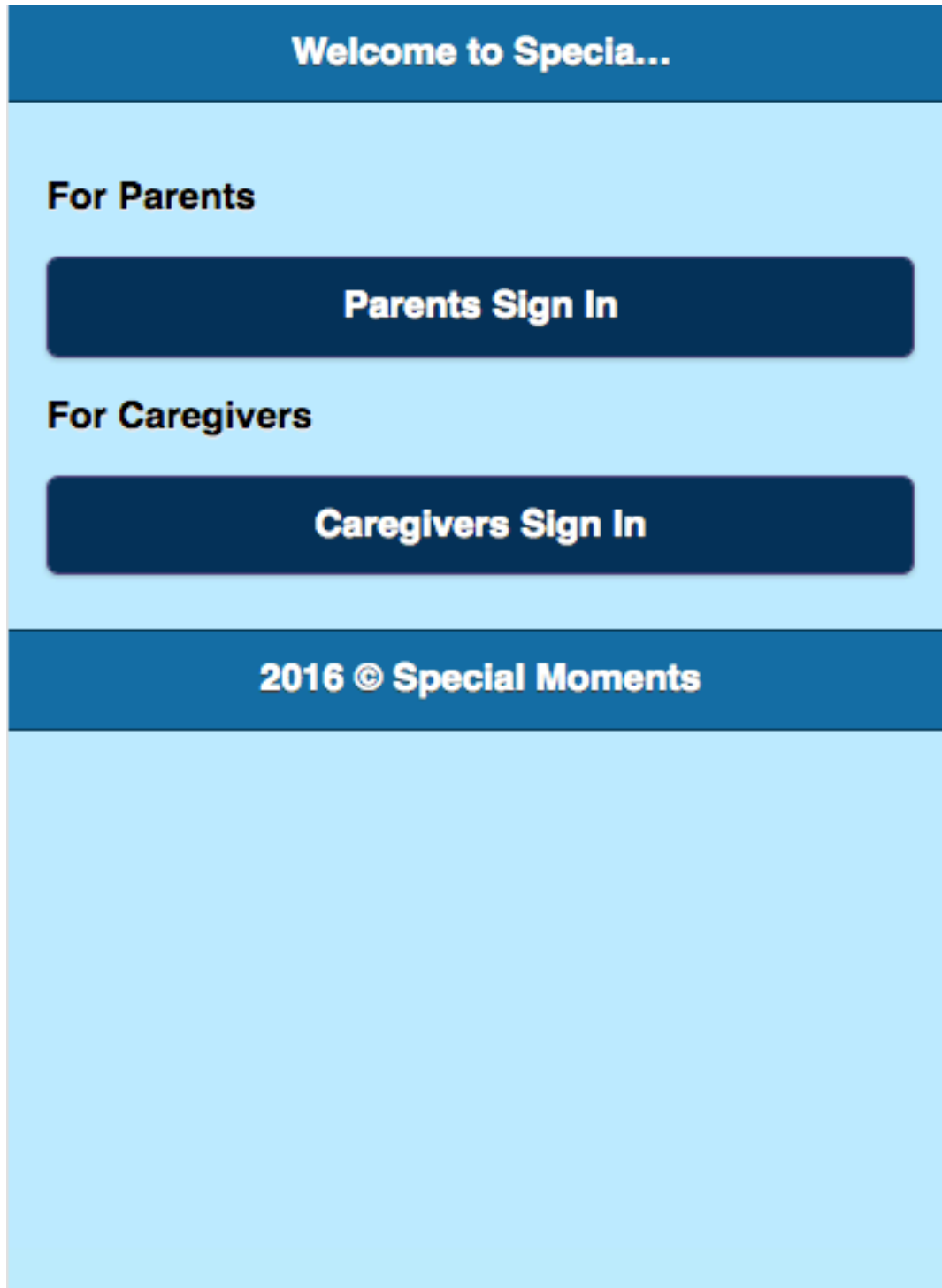
### **Installation and Setup Instructions:**

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.

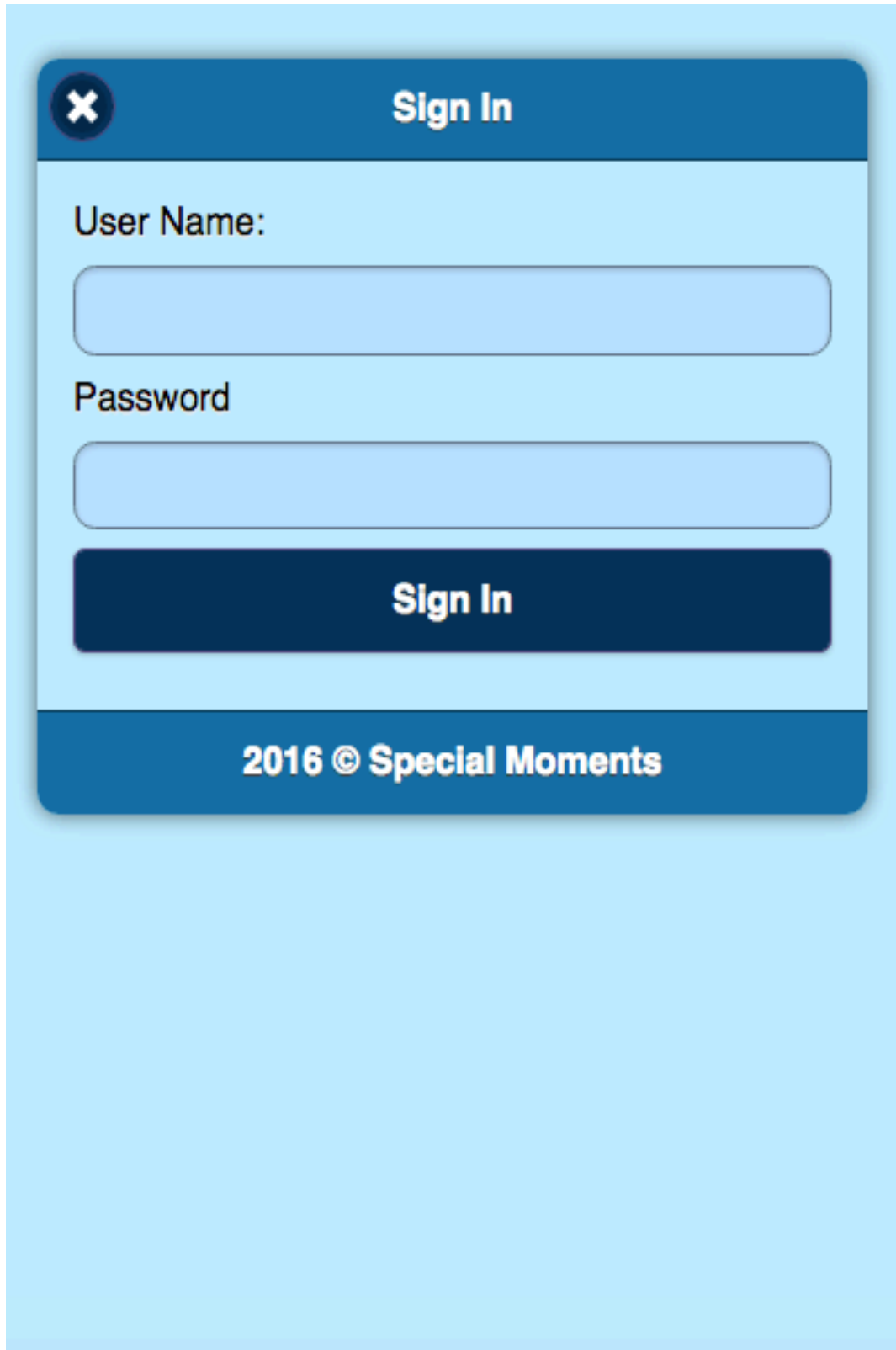
## **Project Demonstration:**

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.



The image shows a 'Sign In' form with a light blue background. The form has a dark blue header bar with a white 'X' icon on the left and the text 'Sign In' in white. Below the header, there are two input fields: 'User Name:' and 'Password'. Both fields are light blue with rounded corners. Below the 'Password' field is a dark blue button with the text 'Sign In' in white. At the bottom of the form is a dark blue footer bar with the text '2016 © Special Moments' in white.

**Sign In**

User Name:

Password

**Sign In**

**2016 © Special Moments**

**Figure 2: Sign In Page**

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

**Sign In**

User Name:

sarah

Password

.....

**Sign In**

**2016 © Special Moments**

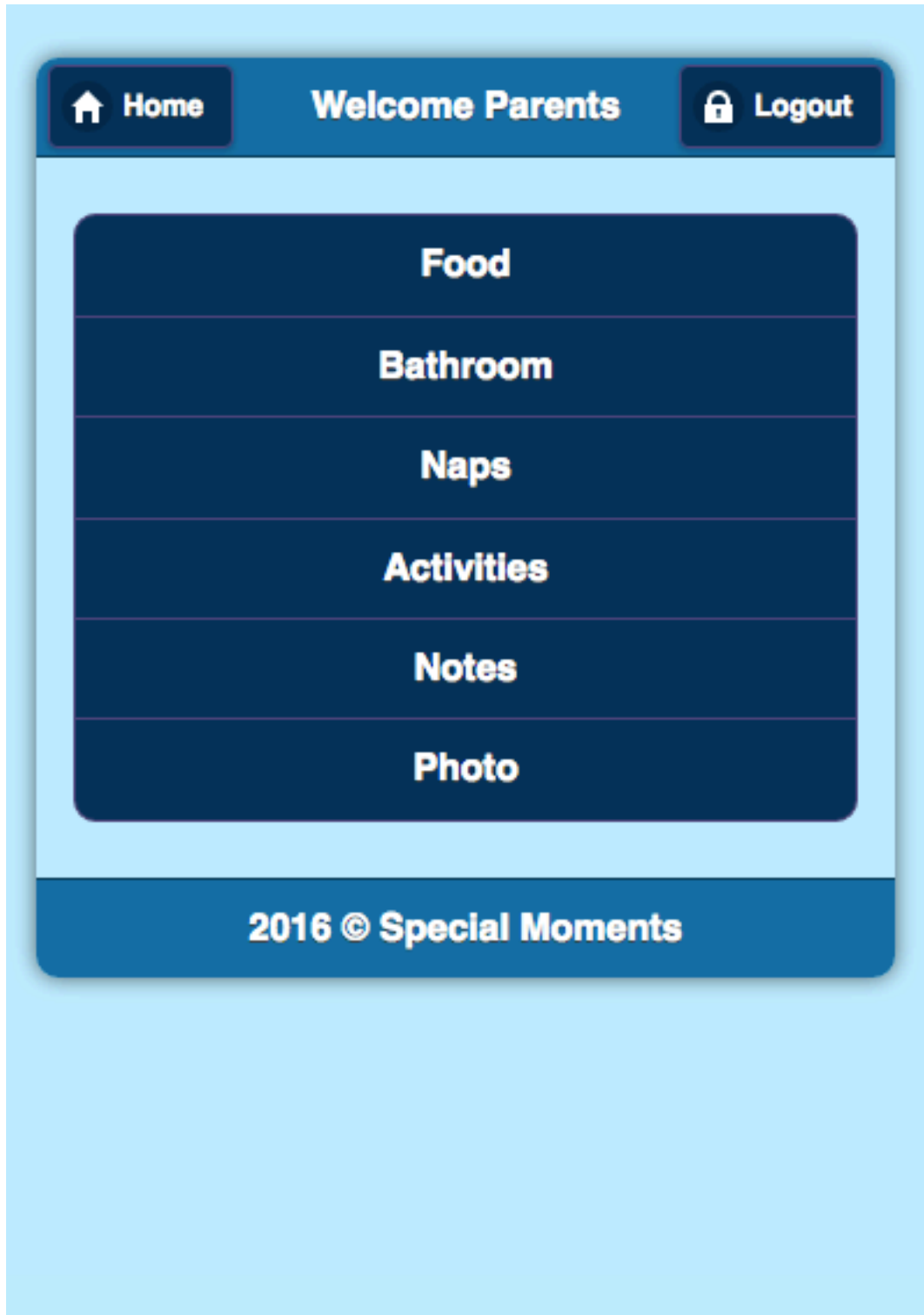
**Figure 3: Parent Sign In**

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

The image shows a 'Sign In' dialog box with a blue header bar containing a close button (X) and the title 'Sign In'. Below the header, there are two input fields. The first field is labeled 'User Name:' and contains the text 'nancy'. The second field is labeled 'Password' and contains masked characters '.....'. Both input fields have a close button (X) on the right side. Below the input fields is a dark blue button labeled 'Sign In'. At the bottom of the dialog is a blue footer bar with the text '2016 © Special Moments'.

**Figure 4: Caregiver Sign In**

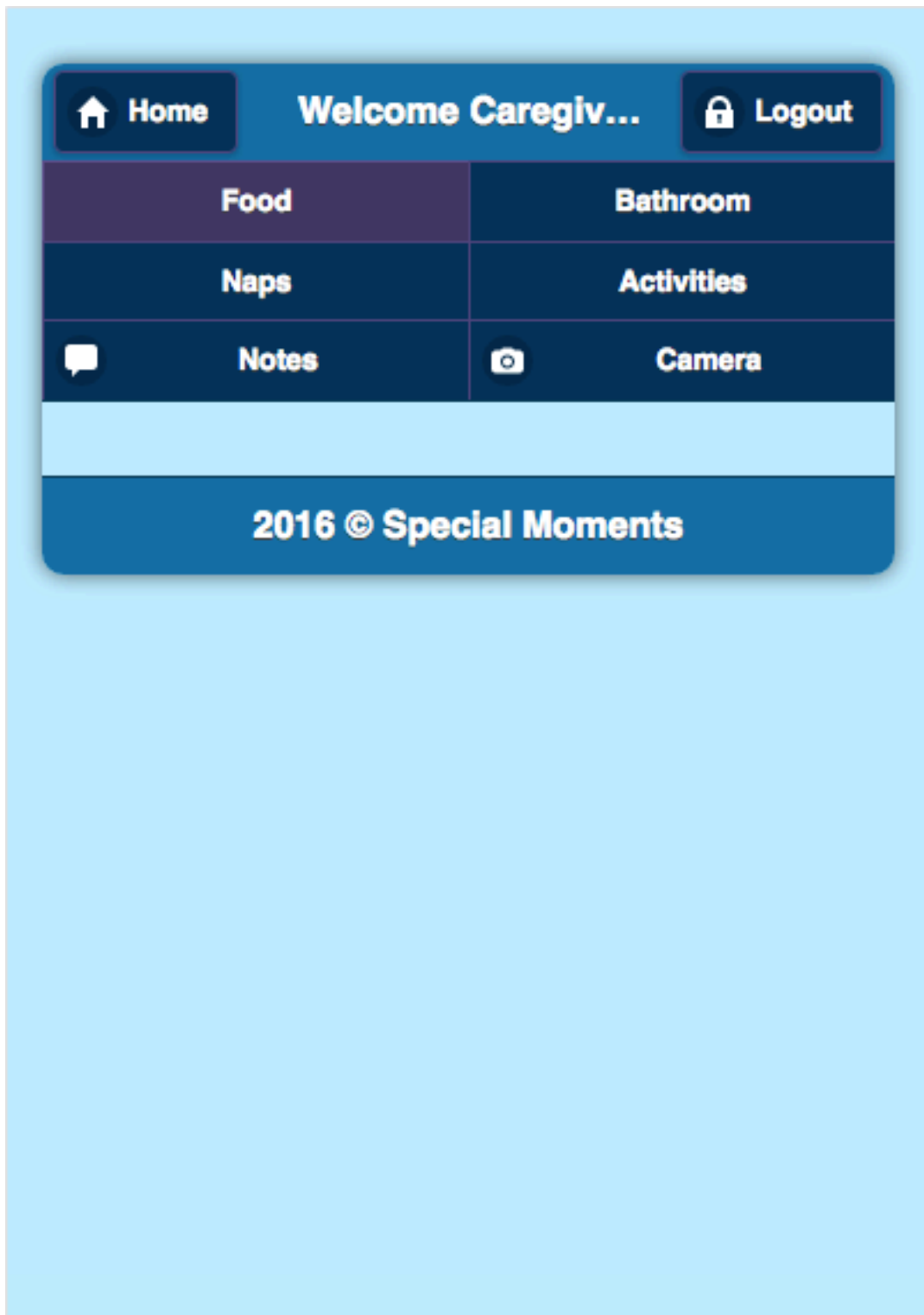
5. Figure 5 shows the parent's main page including tabs for food, bathroom, naps, activities, notes, and photos. The numbers on the right show how many updates each category has.



**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.

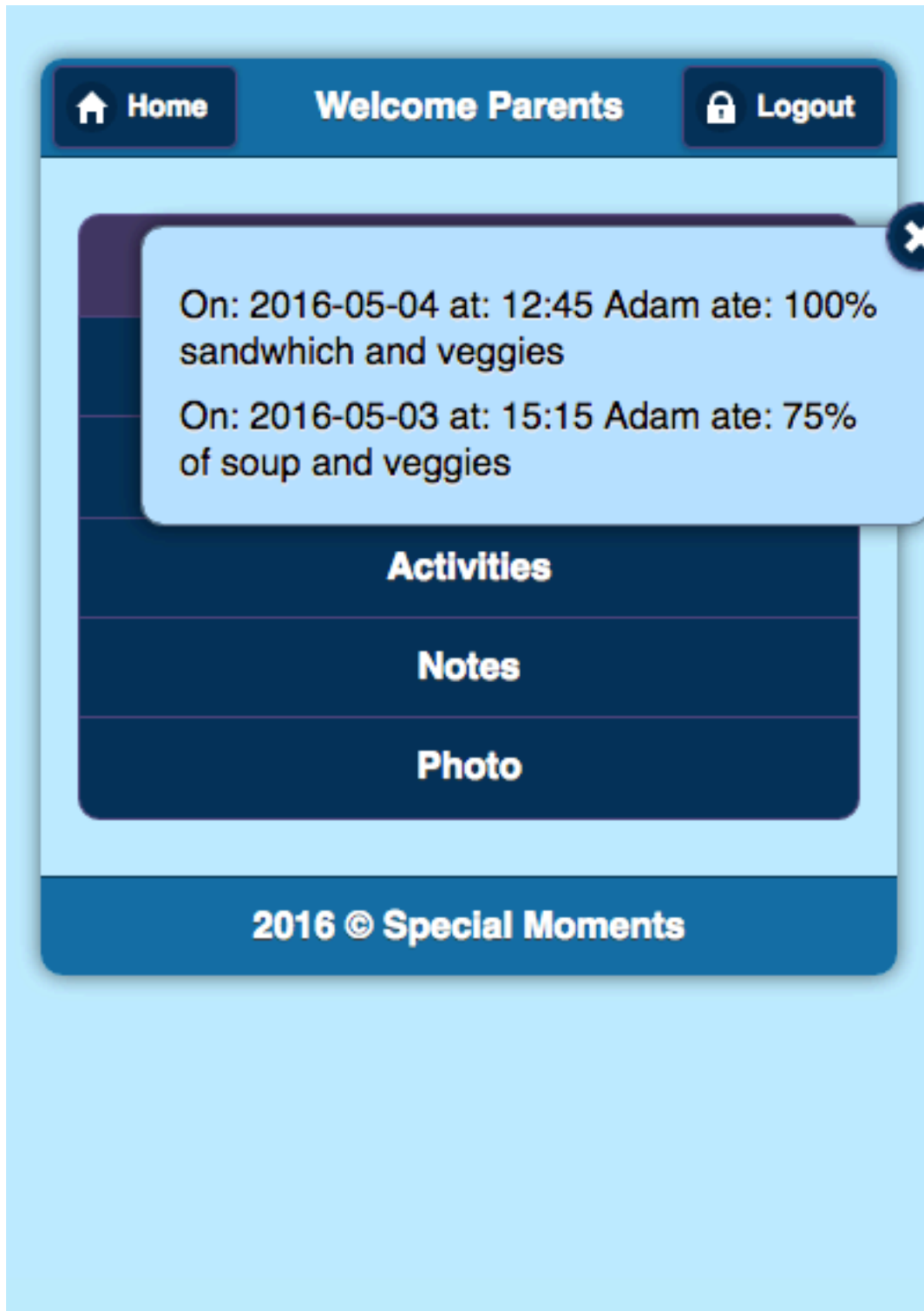


Figure 7: Parents Food View

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

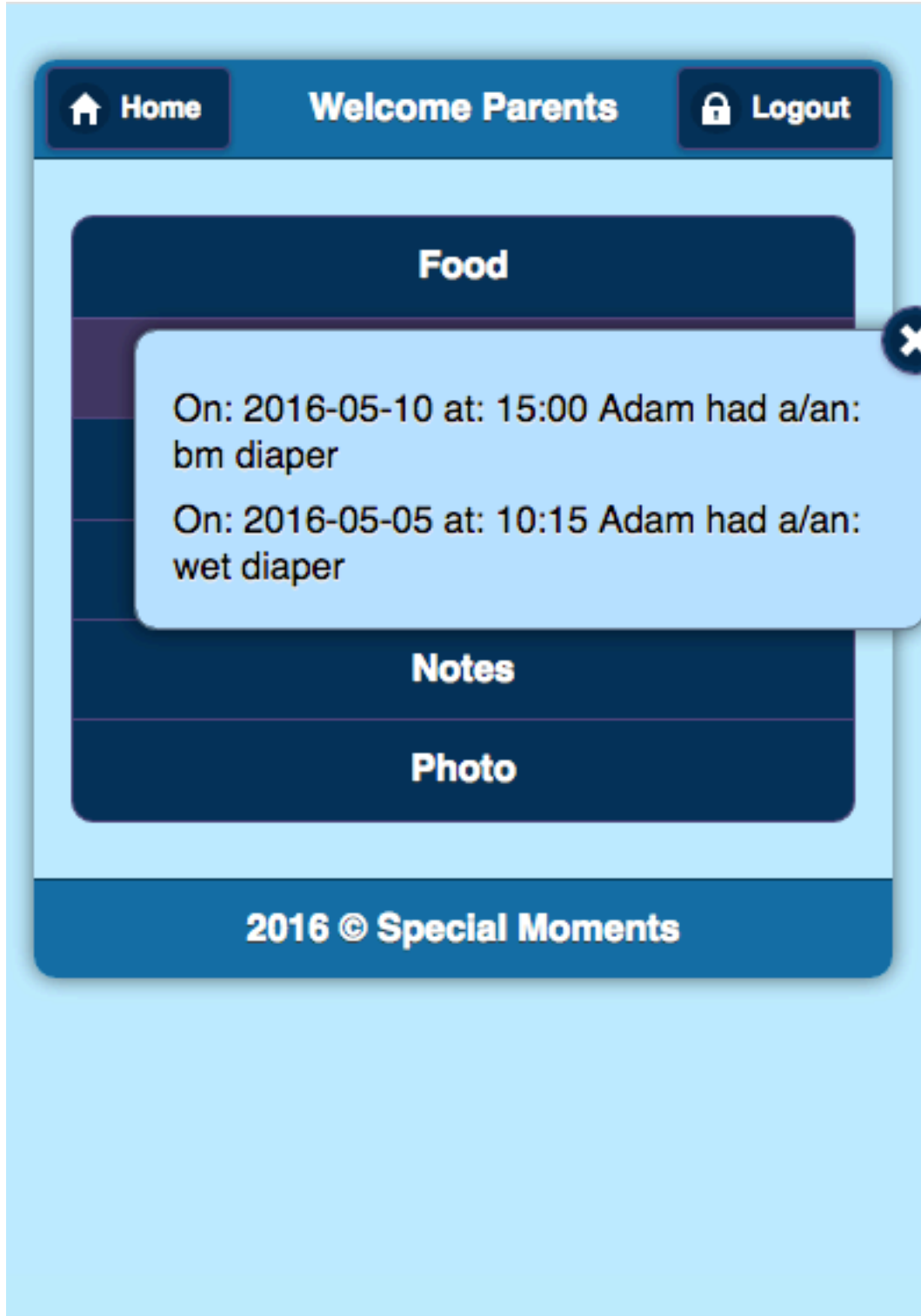


Figure 8: Parents Bathroom View

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

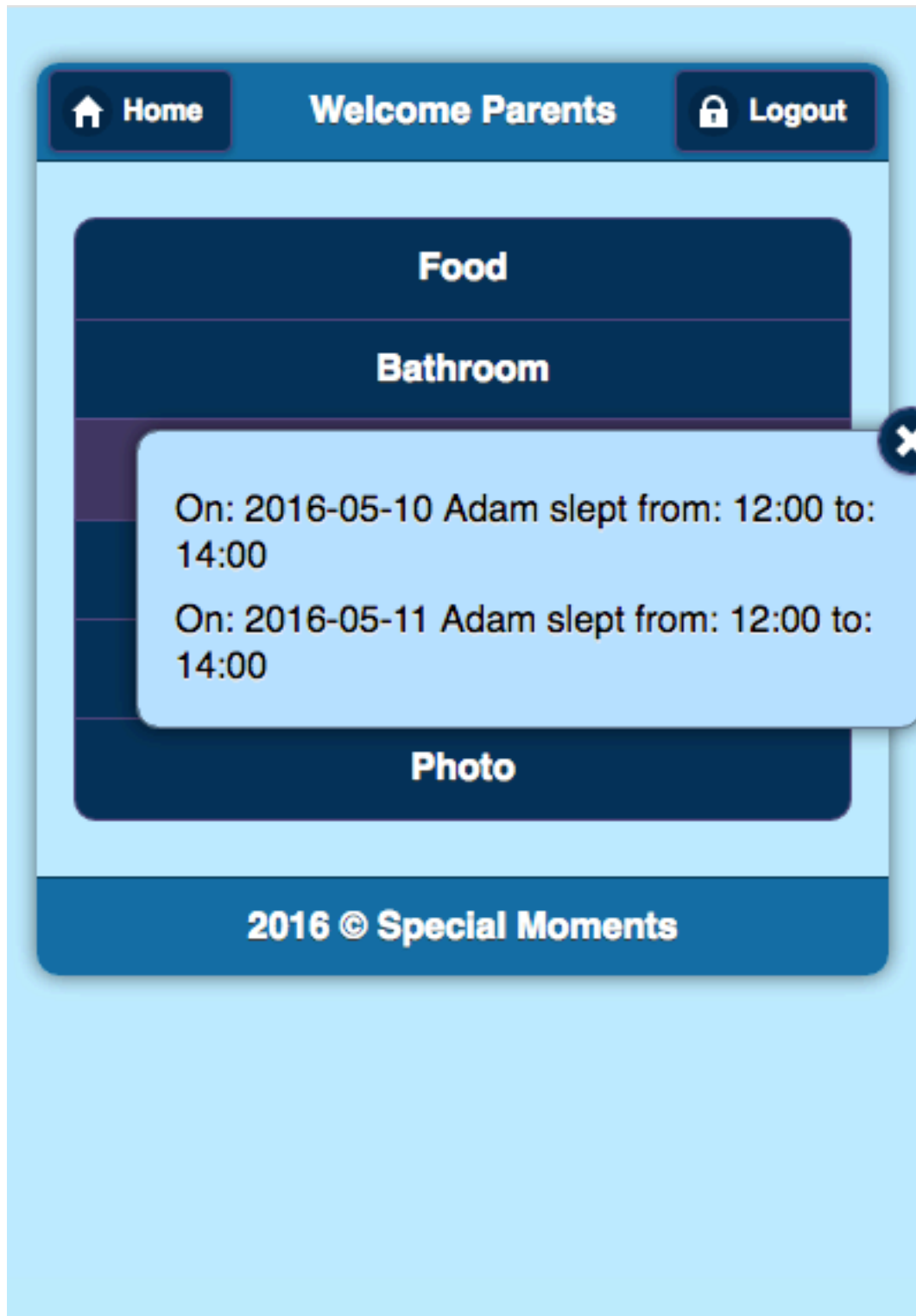


Figure 9: Parents Naps View

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

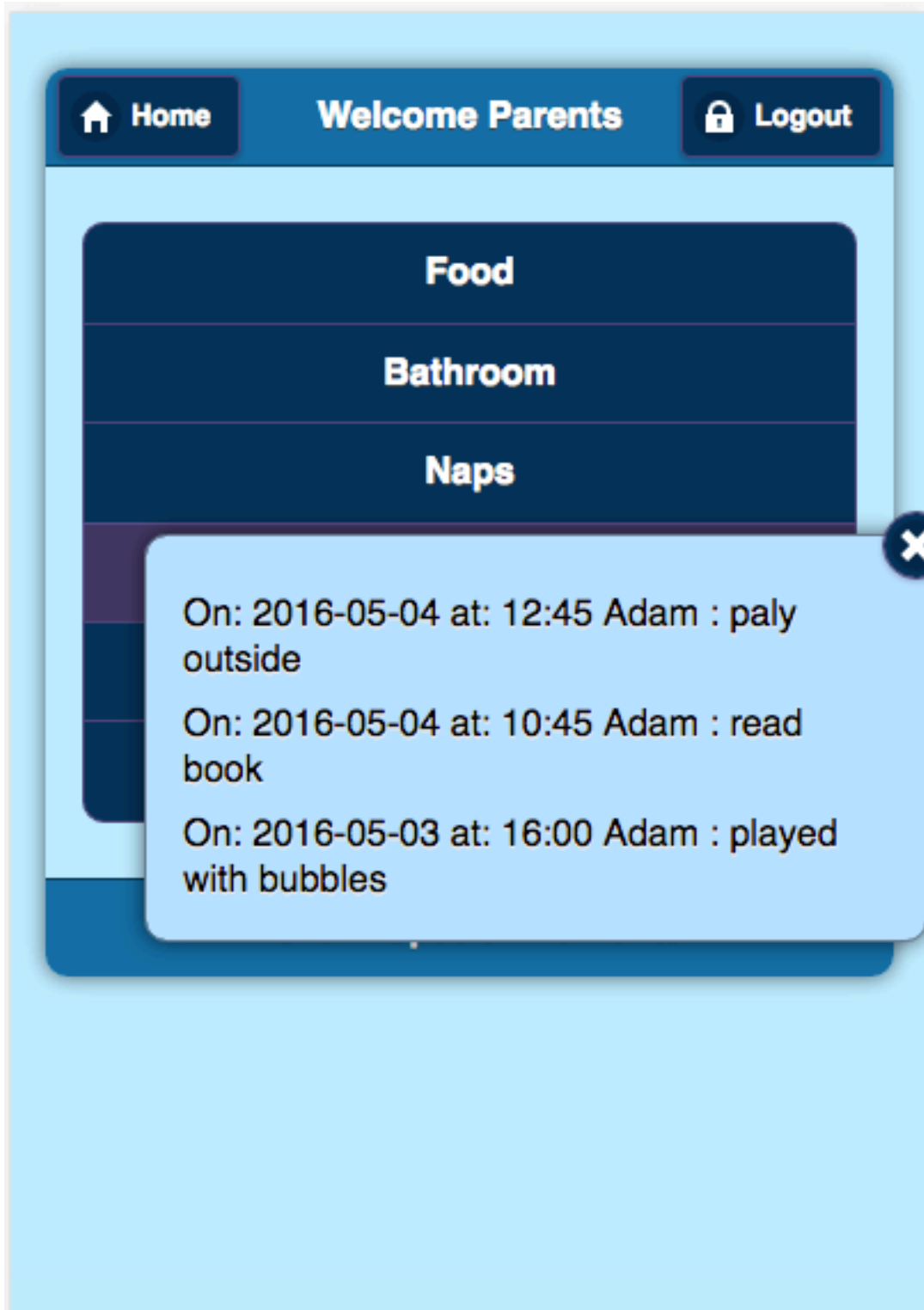


Figure 10: Parents Activities View

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

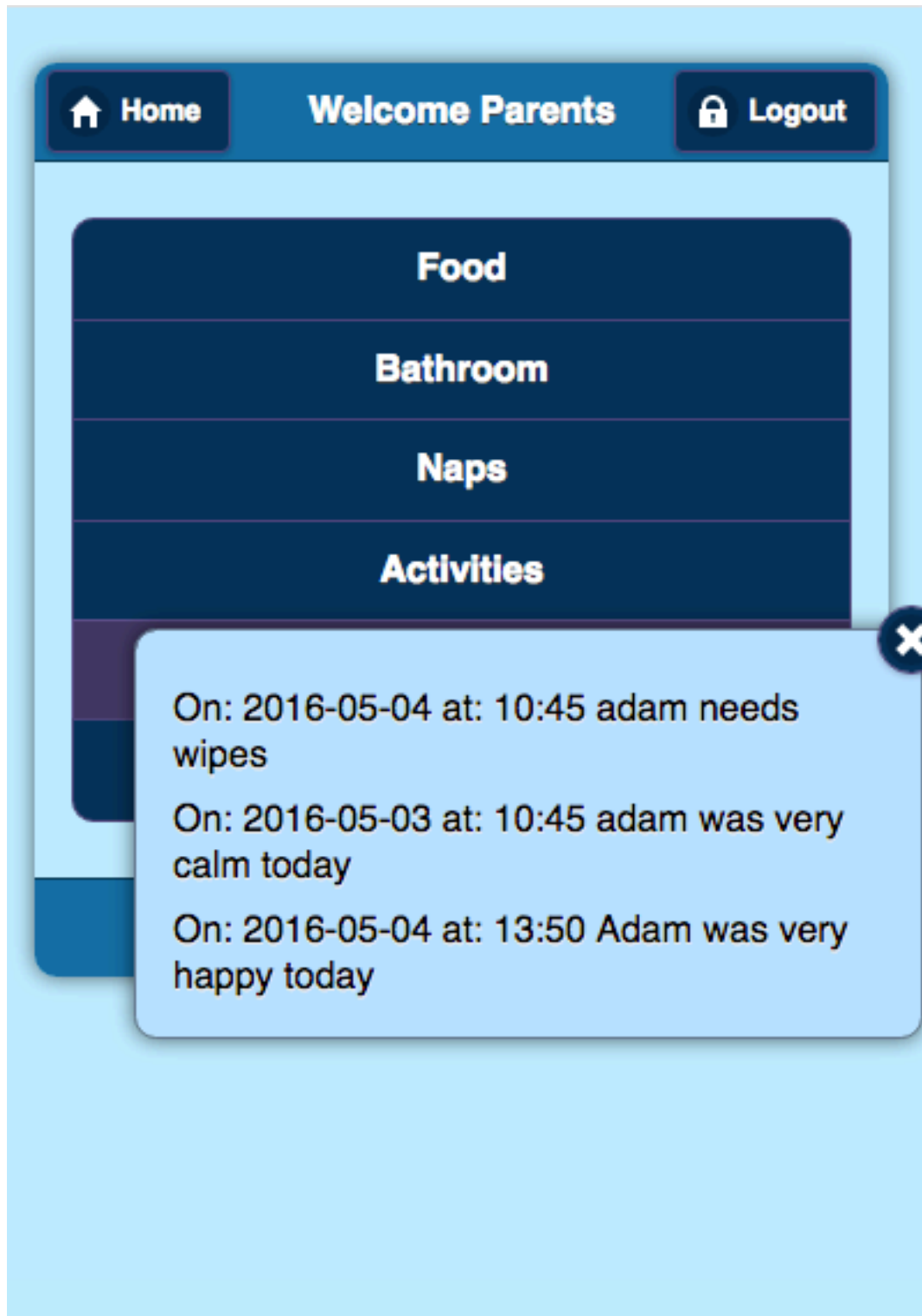
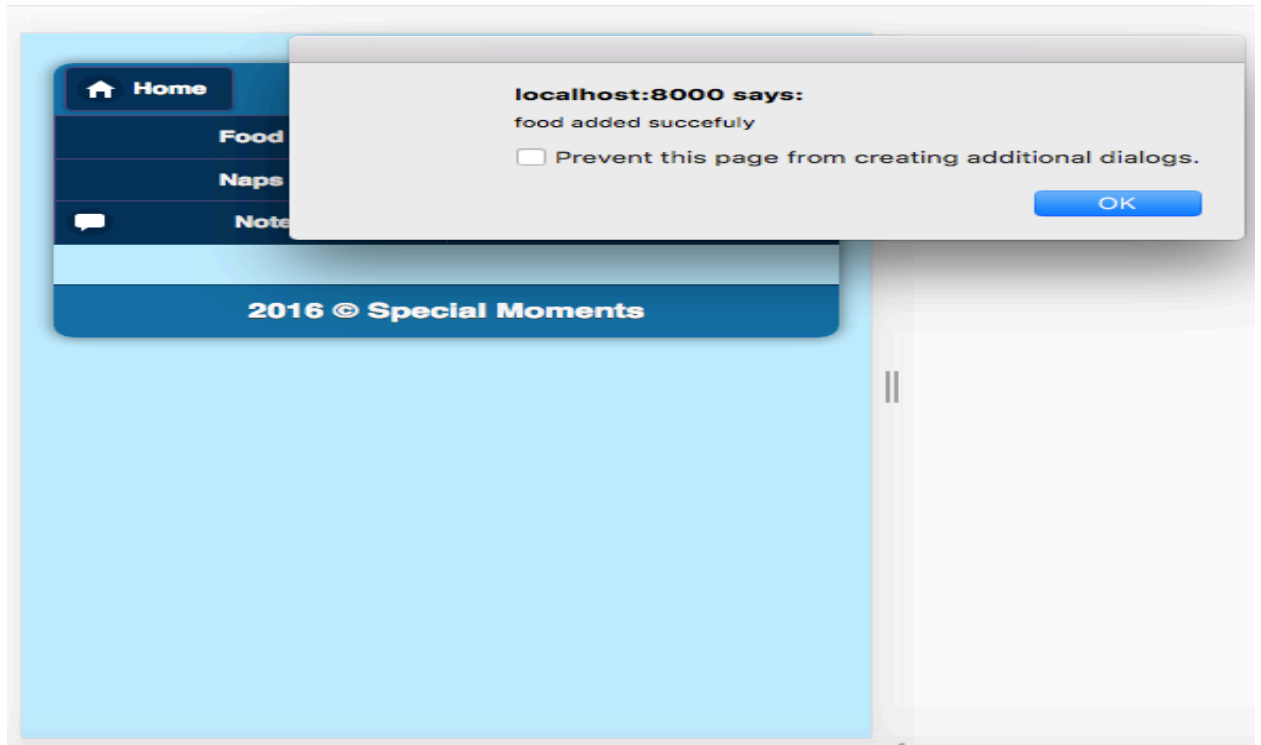


Figure 11: Parents Notes View

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.

The image shows a mobile application interface with a light blue background. A white popup window titled "Food information" is centered on the screen. The popup contains three text input fields: "Date:" with the value "05/03/2016", "Time:" with the value "03:15 PM", and "Food:" with the value "75% of soup and veggies". Below these fields is a dark blue button labeled "Submit". In the top right corner of the popup, there is a close button (an 'X' icon). To the right of the popup, a portion of a dark blue sidebar menu is visible, containing a "Logout" button and several menu items: "Room", "Files", and "Camera".

**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.



The image shows a mobile application interface with a dark blue header bar. The header contains a home icon, the text 'Home', a welcome message 'Welcome Caregiv...', and a 'Logout' button with a lock icon. A light blue modal form titled 'Bathroom information' is centered on the screen. The form has a close button (X) in the top right corner. It contains three input fields: 'Date:' with the value '05/05/2016', 'Time:' with the value '10:15 AM', and 'Type:'. The 'Type:' field has three radio button options: 'Dry', 'Wet' (which is selected), and 'Bowel Movement'. A 'Submit' button is located at the bottom of the form.

**Bathroom information**

Date:  
05/05/2016

Time:  
10:15 AM

Type:

☐ Dry

☒ Wet

☐ Bowel Movement

**Submit**

Figure 14: Adding Bathroom Information

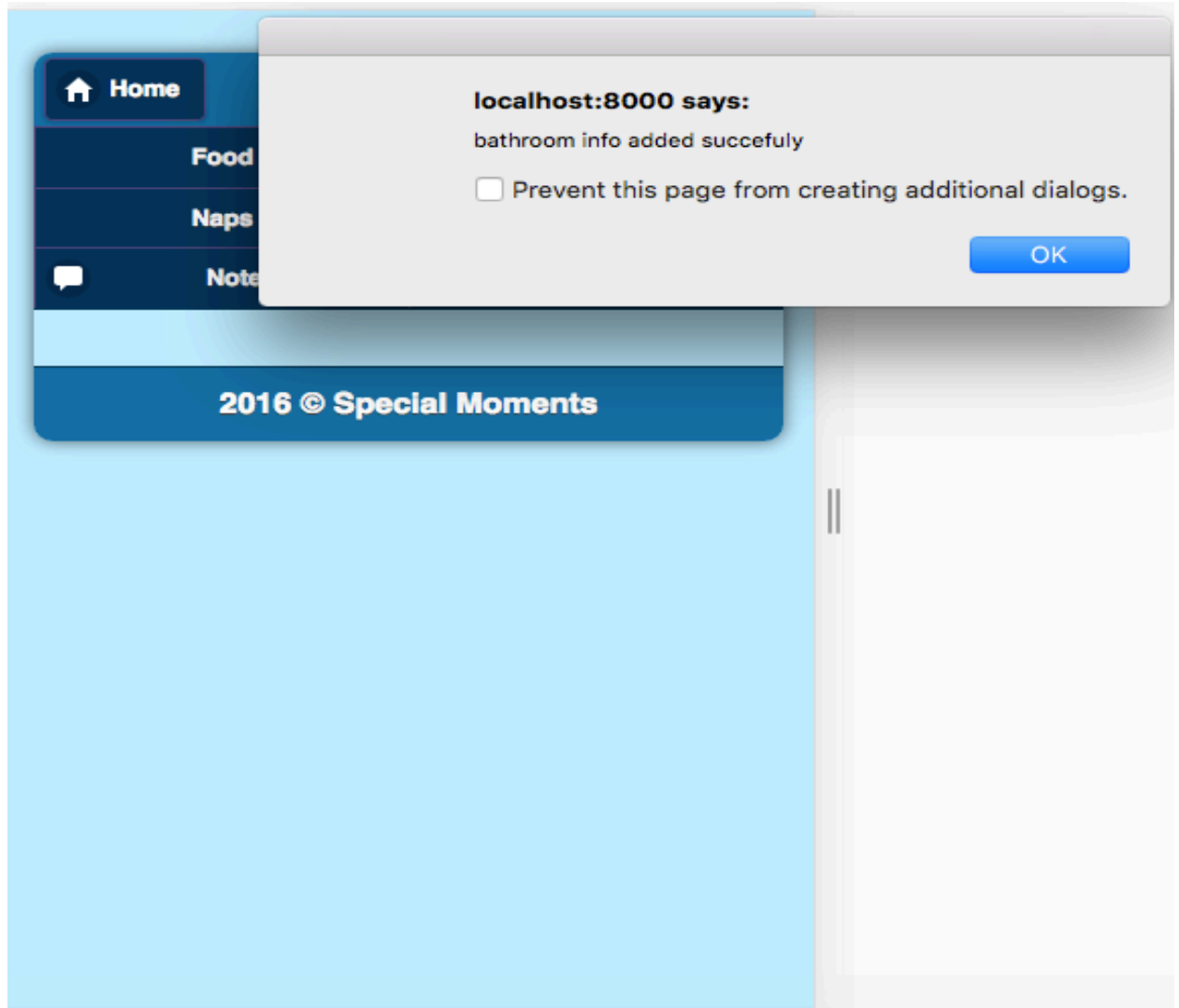
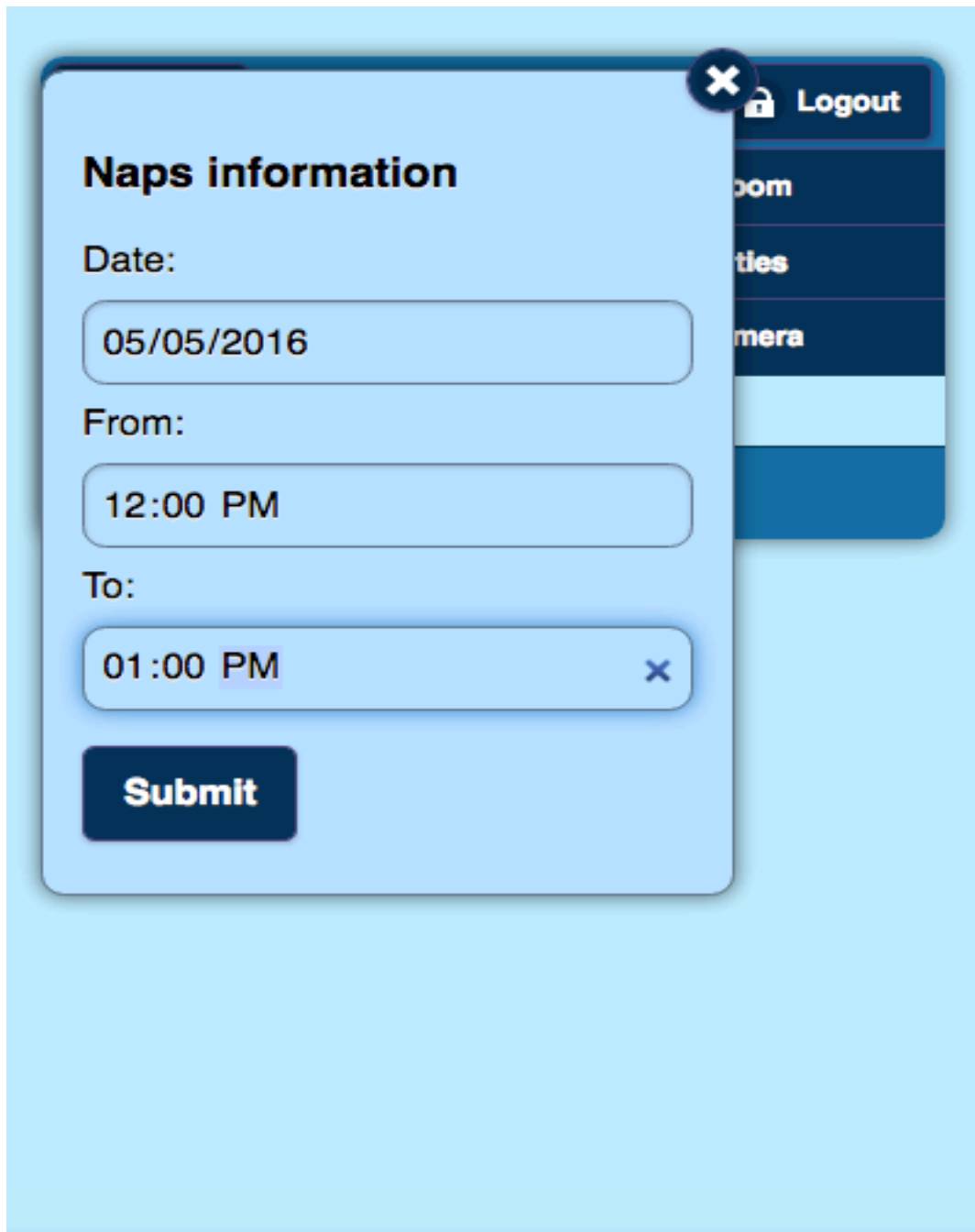


Figure 15: Success Message when adding bathroom information

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



**Naps information**

Date:

05/05/2016

From:

12:00 PM

To:

01:00 PM

**Submit**

Logout

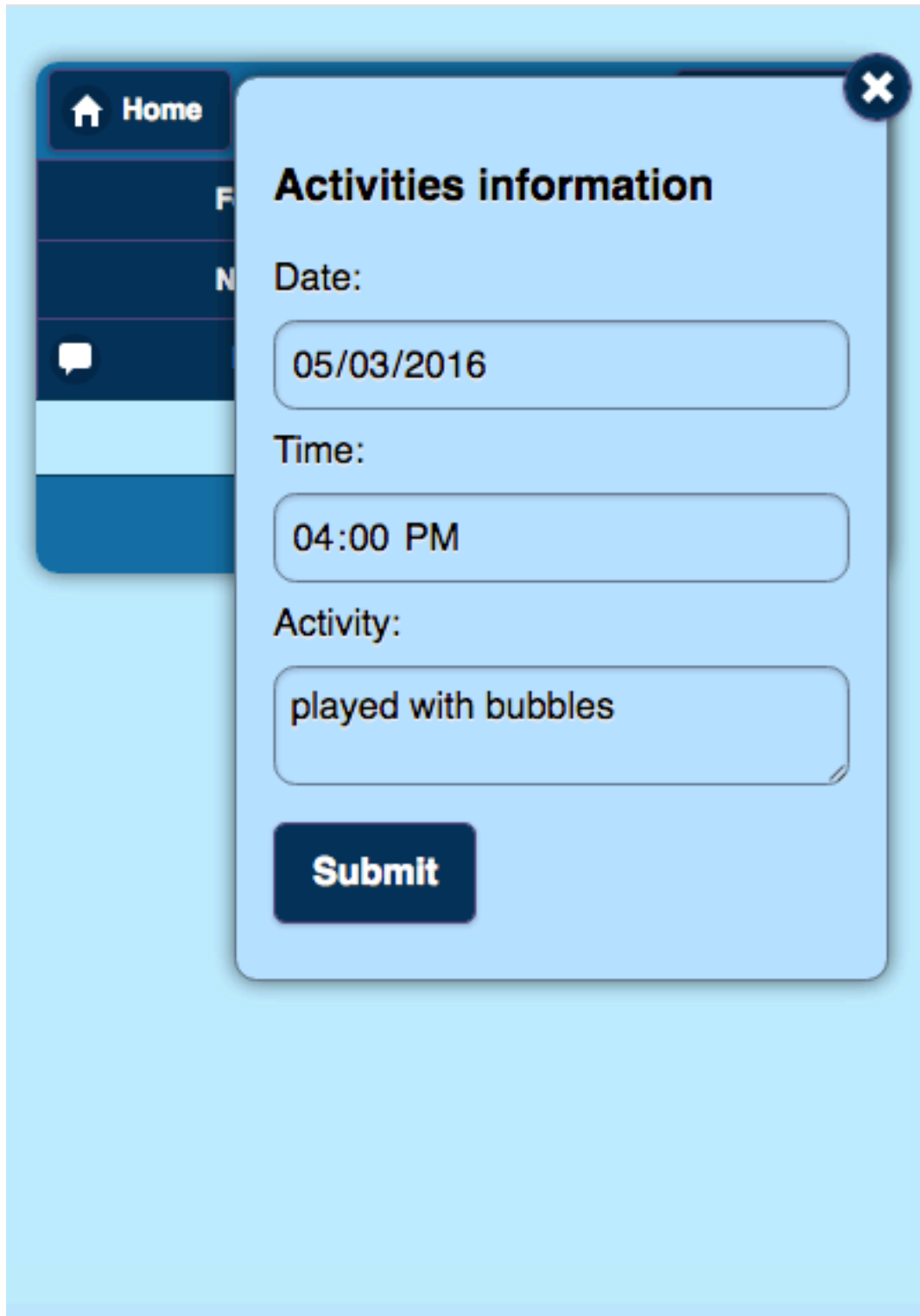
Room

ties

mera

**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.



The image shows a mobile application interface with a light blue background. On the left, there is a dark blue sidebar with a 'Home' button at the top, followed by buttons labeled 'F', 'N', and a speech bubble icon. A large, light blue popup window is centered on the screen. The popup has a dark blue header with the title 'Activities information' and a close button (an 'X' in a circle) in the top right corner. The form inside the popup contains three input fields: 'Date:' with the value '05/03/2016', 'Time:' with the value '04:00 PM', and 'Activity:' with the value 'played with bubbles'. At the bottom of the popup is a dark blue button with the text 'Submit' in white.

**Figure 17: Adding Activity Information**

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

The image shows a 'Notes' popup form on a light blue background. The form is titled 'Notes:' and contains three input fields: 'Date:' with the value '05/05/2016', 'Time:' with the value '11:30 AM', and 'Note:' with the value 'Adam was very happy today'. A dark blue 'Submit' button is located at the bottom of the form. In the background, a sidebar menu is partially visible with a 'Logout' button and other options like 'Room', 'ties', and 'mera'.

**Figure 18: Adding Note Information**

