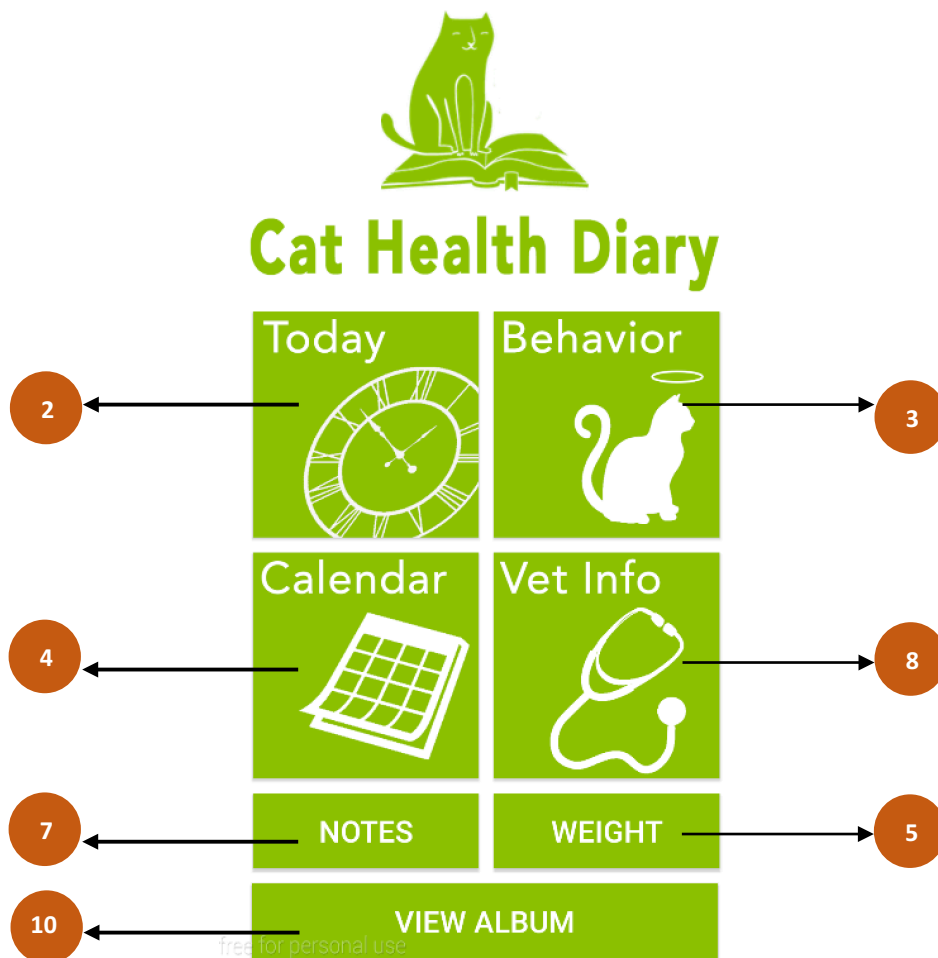




# **Cat Health Diary**

Handoff Document



Cat Health Diary is a digital assistant for pet care. It allows for daily reports on your cat's well-being, helps keep track of your cat's past and future, and stores photos for your enjoyment. This is the main menu, from which most other pages are accessed. It can be accessed at any time from the options menu.

#### Classes Used:

**MainActivity** – Handles the UI interactions to launch activities for each of the above buttons

**Database** – Aggregation of **TodayPageInfo** and **Behavior** objects. MainActivity creates a Database the first time it is launched.

## Today Page

TAKE PICTURE

**Food**

☐ Enter Time

☐ Enter Time

☐ Enter Time

**Medication**

☐ Enter Time

☐ Enter Time

☐ Enter Time

**Toiletry**

☐ #1

☐ #2

**Input Cat Weight:**

U

**Reminder:**

Enter Reminder

4/25/2016

SAVE

The Today Page allows users to record their cat's diet, meds, weight, toilet habits, and miscellaneous reminders to ensure everything is in order. Simply tap the checkbox to indicate an event occurred, then optionally tap the nearby text to leave a note about that particular instance.

Users can also upload images of their beloved pet through the Take Picture button. Tapping this hands control to the Android photo system, where users can take or select a picture before being returned to this page.

Users must tap the **Save** button before leaving in order to make changes final.

### Classes Used:

**TodayPage** – Handles UI interactions using **CheckBox**, **Spinner**, and **EditText** elements to create and save appropriate **TodayPageInfo** objects to the database

**TodayPageInfo** – Stores all daily information like medication, food, etc. associated with a specific date

**Database**

## Behavior Entry

Active:  
1 ▾

Notes:

Sleep:  
1 ▾

Notes:

Have you seen your cat?

Yes ☐ No ☒

4/25/2016

This page is similar to the Today Page, but tracks less quantifiable factors such as exercise and sleep habits. Users select a number in the dropdown menu to indicate how many hours of each behavior is observed, and are provided plenty of space to specify the nature of this behavior.

If users have an outdoor cat, they may find it useful to track the days on which the cat is nearby.

Users must press **Save** to make these changes final.

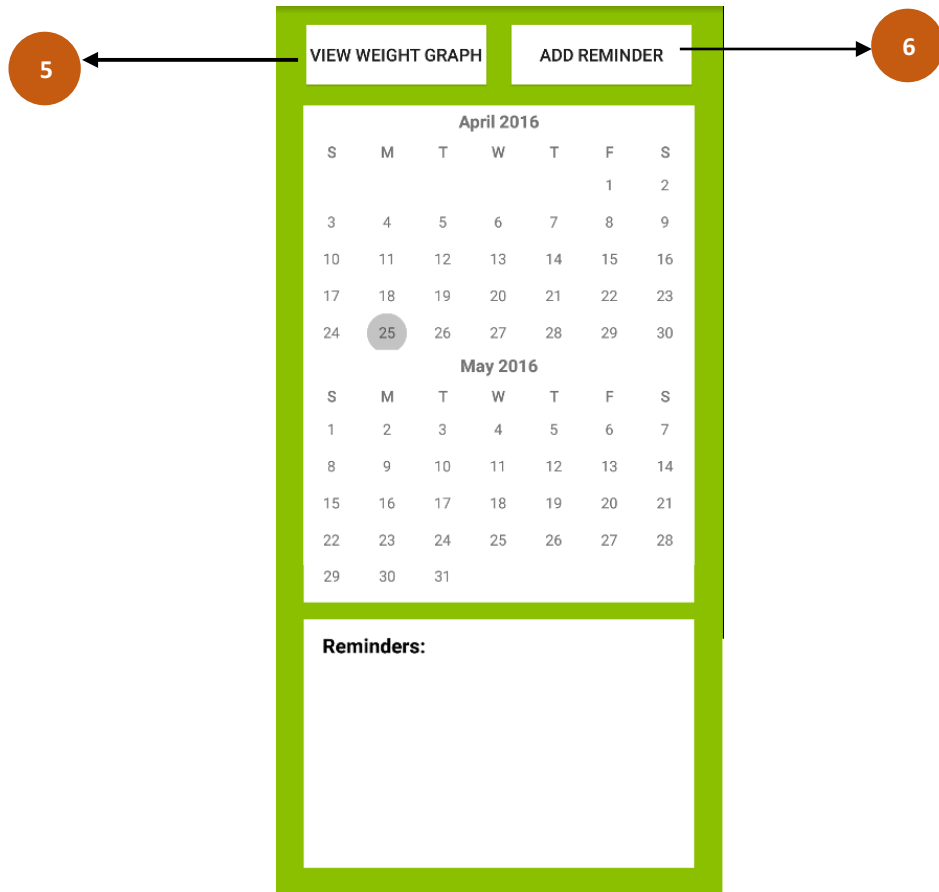
### Classes Used:

**BehaviorPage** – Handle UI interactions using **CheckBox**, **Spinner**, and **EditText** elements, composes and saves Behavior objects to the database

**Behavior** – Stores all behavior related activity for a certain date

**Database**

# Calendar



The calendar allows users to access the Today Pages from the past and future. Simply tap a date to be taken to that date's Today Page.

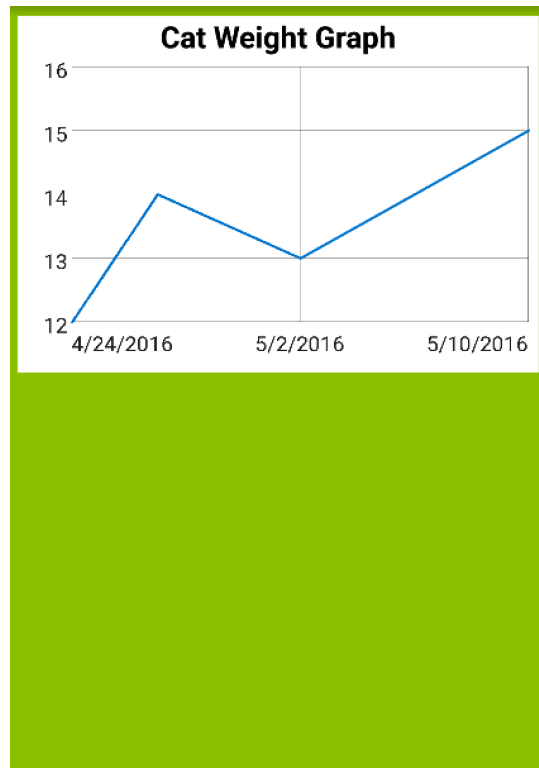
The **Reminders** box will present all reminders whose dates have not yet passed.

## Classes Used:

**CalendarActivity** – Uses the built-in Android **Calendar** to display dates, handles UI interaction with buttons and calendar days

**Database**

## Weight Graph



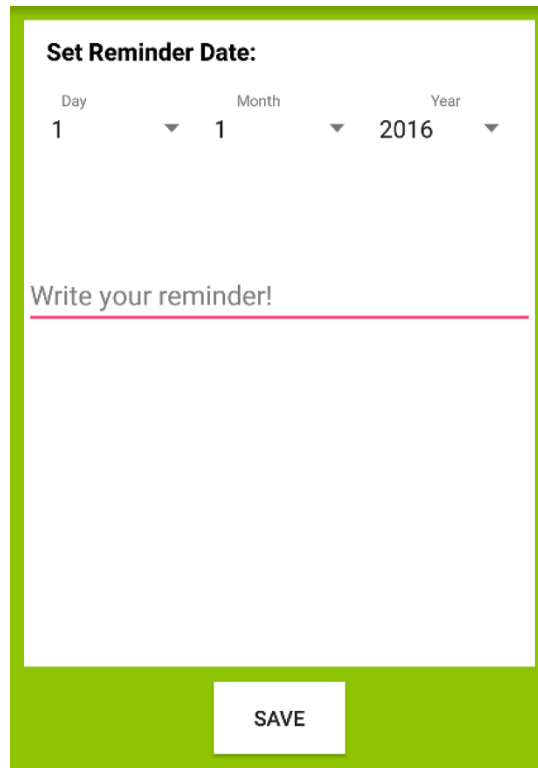
This page provides a convenient representation of your cat's weight to recognize any important trends. This will be effective only once weights have been entered for two or more dates.

### Classes Used:

**GraphActivity** – Uses the **GraphView** provided by <https://github.com/jjoe64/GraphView> to display weights and dates from the database

**Database**

## Reminder Entry

A screenshot of a mobile application interface for entering a reminder. The form is titled "Set Reminder Date:" and features three dropdown menus for selecting the date: "Day" (set to 1), "Month" (set to 1), and "Year" (set to 2016). Below the date selection is a large text input field with the placeholder text "Write your reminder!". At the bottom of the form is a green bar containing a white "SAVE" button.

**Set Reminder Date:**

Day Month Year  
1 1 2016

Write your reminder!

SAVE

This page allows users to create reminders to be displayed on the calendar page. Simply specify the date using the dropdown menus and fill in the text field with a concise message to yourself.

### Classes Used:

**ReminderActivity** – Handles UI interaction and stores reminders on the **TodayPageInfo** of the reminder's date from the **Spinners** and **EditText**

**TodayPageInfo**

**Database**

## Note Entry

**Enter Notes and Reminders Here:**  
Write your notes/reminders!

---

SAVE

This is simply a persistent text area to jot down any notes related to your cat's well-being. Simply tap the field to fill in text, then hit save to make these changes permanent.

### Classes Used:

**NotesAndRemindersActivity** – handles UI interaction and saves note text from the main **EditText** to database  
**Database**



## Vet Visit Entry

**Last Visit Date:**

Day: 1    Month: 1    Year: 2016

UPLOAD IMAGE

SAVE IMAGE    SEE HISTORY

This feature allows users to keep up with veterinarian visits by storing a history of past recorded visits as well pictures of important documentation.

This page facilitates the entry of such data, allowing users to specify a date. Tapping **Upload Image** will take users to Android's photo system, then return them to this page after selecting an image. Tapping **Save Image** will then associate that image with the entered date in the system.

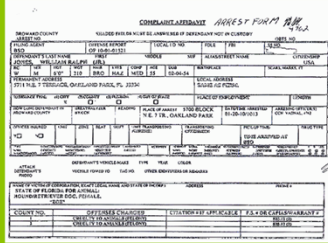
### Classes Used:

**VetInfoPage** – Handles UI interaction, sends user to Android camera, receives information with **Spinner** widgets, saves images to database  
**Database**

## Vet History Display

Select Date To View:  
1/1/2016

VIEW IMAGE



GO BACK TO UPLOAD

8

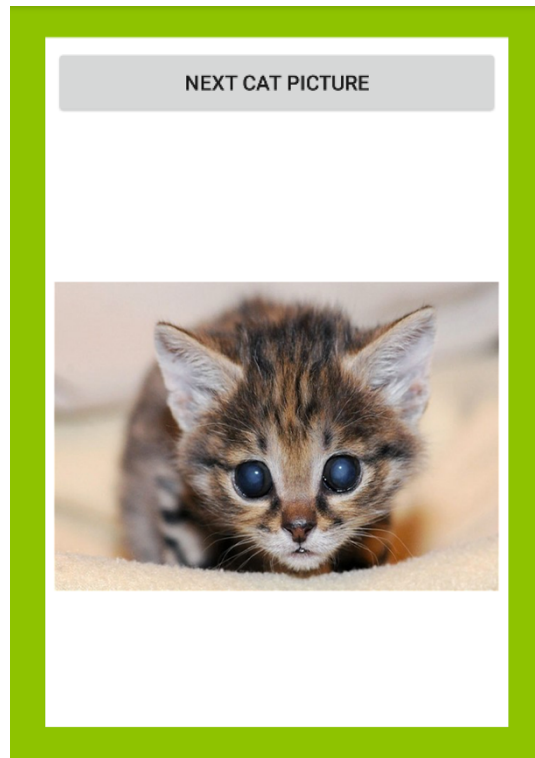
This page provides an interface for referencing past vet dates and documents. Users may choose a date from the top dropdown, then tap **View Image** to display its document in the center of the screen.

### Classes Used:

**SeeHistoryPage** – Handles UI interaction, pulls images from database for display onto the centrally located **ImageView**.

**Database**

## Photo Album

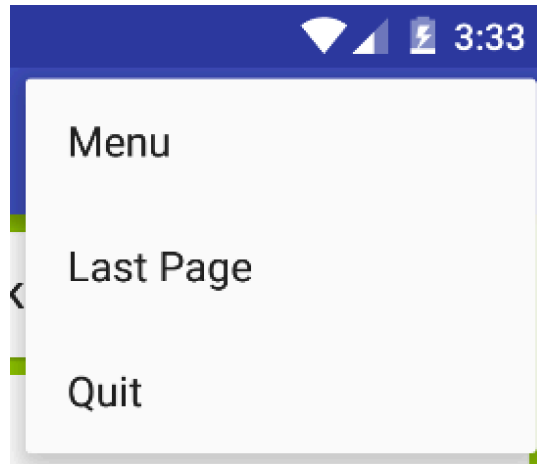


Photos uploaded on the Today Page can be accessed here. Tapping **Next Cat Picture** will access the next image in a list of all images, ordered chronologically.

### Classes Used:

**AlbumPage** – Handles UI interaction, pulls images from database for display to the centrally located **ImageView**  
**Database**

## Options Menu



On any page except for the Main Menu, users can tap the options menu in the top right to reveal the above list of options. Tapping **Menu** will access the main menu, while tapping **Last Page** will take users to the most recently visited activity in the app. Tapping **Quit** returns users to the Android home screen.

This menu is set up and filled in the **MainActivity** Class