

Moments
Final Status Report
Team Name: X-Men

Zhao Y. Li - 20473475 - zy22li@uwaterloo.ca
Xin Lin - 20476846 - x58lin@uwaterloo.ca
Mengyi (Monica) Luo - 20470845 - m22luo@uwaterloo.ca
Yuning (Emily) Xue - 20466372 - y28xue@uwaterloo.ca

Final status report

Tasks/Features Completed Since Second Status Report

- Home Page (Percentage completed: 100%)
 - Swiping left on a moment entry can delete the moment entry
 - Scrolling to the bottom of the page will display more moments. Each time, only 20 moment entries are fetched from core data and displayed in order to enhance the performance
 - Search Moments by titles
- Calendar Page (Percentage completed: 100%)
 - On day view page, swiping left on a moment entry can delete the moment
 - On day view page, scrolling to the bottom of the page will display more moments.
- Categories Page (Percentage completed: 100%)
 - Dragging category cells to reorganize categories
 - Limit number of characters (28) for category name
 - On category moments page, swiping left on a moment entry can delete the moment
 - Pre-construct two default categories: Uncategorized and favorite category. These two categories cannot be deleted.
 - Search categories by titles
- New Moment Page (Percentage completed: 90%)
 - Add image through camera, add audio through recording and music library
 - List of category is to be displayed and chosen from prior to saving a moment
 - Delete items on the canvas
 - Core data fetching and saving with image, audio and video
 - UI for features of text item on canvas: alignment
 - Functionality for features on text item on canvas: font, colour, size, alignment
 - Preview of the text features chosen in the text setting page
 - Gesture recognizers for text and image: move, tap, drag, rotate; audio: move; sticker: move and resize;
 - Redesigned the UI for adding new items on the canvas from a toolbar to a circular popup
- Moments Mode Page (Percentage completed: 95%)
 - Wheel for showing progress of video generation
 - Creates a temporary video from images retrieved from moments from the provided date range
 - Ability to only use images from favoured moments
 - Functionality for saving generated video to local device
 - Improved UI for date range selector, buttons, and added instructions for moments capsule
 - Additional alerts to confirm actions such video saving and to inform user that there is not enough data created for video generation
- User Setting(100%)
 - Account Setting
 - Allow users to reset user name

- Allow users to reset user email address
- Privacy Setting - Allow user to change password
- Rate Us - Display a pop window for "Rate Us!"
- Feedback - Allow users send us feedback through emails.
- About Us - This page is updated. It will link to our team members' contact information and LinkedIn profiles

Incompleted Tasks

- Local authentication - moments and categories should contain an attribute for recording creator's user id. All Moments and categories should show up as long as their creator's uid match current uid.
- New Moment Page - Adding video from camera (likely to be done before the demo)
- Moments Mode - Combine videos from moments in additional to the images (likely to be done after the demo)
- User Setting - (likely to be done after the demo)
 - Rate Us, link users to our App store page (To be completed when app is available in app store)
 - Trash, will store all deleted moments and allow users to review their deleted moments. Users might be regretful for deleting moments, so Trash will give users a second chance. Also, users can clear up their Trash.
 - Sync, will allow users to backup their moments on iCloud. This function requires Apple Developer ID.

Dropped Tasks

- Moment Page - Template mode
 - After implementing and using the the freestyle mode, we found that the template mode is very restricting. For example, a title box with fixed width and height, what if your title is longer or that you want a big sized title, then the fixed size title box does not suit well for your purpose. The flexibility that the free-mode style provided can easily help you to achieve desired layout.
- New Moment Page - Rotation and resize for audio icon, rotation for stickers
 - After rounds of testing, it seemed unnecessary to allow users to resize and rotation a round icon(audio icon) as well as rotating stickers.

Demo Description

Login Page Demonstration:

Our demonstration begins with our login page. We will skip our sign up process because it was already demonstrated. After logging in as a new user. We will walk through a process of creating a new moment.

New User Creating New Moment Demonstration:

Demonstrate Text:

Add a text item on canvas, with user-defined setting for colour, font, size and alignment. Then, we will demonstrate the dragging, tap to edit, resize and rotate gestures on text.

Demonstrate Image:

Add image from both camera and photo library. Then, we will demonstrate the dragging, rotate and resize gesture on image.

Demonstrate sticker:

Choose to add a sticker from the list of stickers and resize and move it.

Demonstrate audio:

Choose from music and add music and play and pause it. Only show the recording option but not going through with the actual recording.

Demonstrate trash, lock and background:

Set the background to some colour. Open up the trash and delete something from the canvas. Lock to show that nothing works except the audio can still be played.

Then go to save page where we can set favourite, title and category. We show how an user can add new category.

Old User with other Functionalities Demonstration:

Home Page Demonstration:

1. Search functionality with moment title
2. Deleting previous moments by swiping left on moment entries

Calendar Demonstration:

1. Selecting a date and view all the moments created that date
2. Dot showing the days where 'moments' have been created. The darkness of dot indicating the number of 'moments' created on a day.

Category Demonstration:

1. Drag and drop to reorganize the category
2. Deleting categories by clicking delete button and select categories need to be deleted
3. Creating a new category by specifying category name and colour
4. Search functionality with category name

Moment's Mode:

1. Date range , favourite selection
2. Video generation and saving to local device

Settings:

1. Sending feedback
2. Password, name, email reset

Project Documentation

Description and Introduction

Moments is an iOS mobile application that enables us to easily record and organize the many precious moments in our daily lives. It is designed to improve the process of diary writing where long paragraphs are replaced with images and audios.

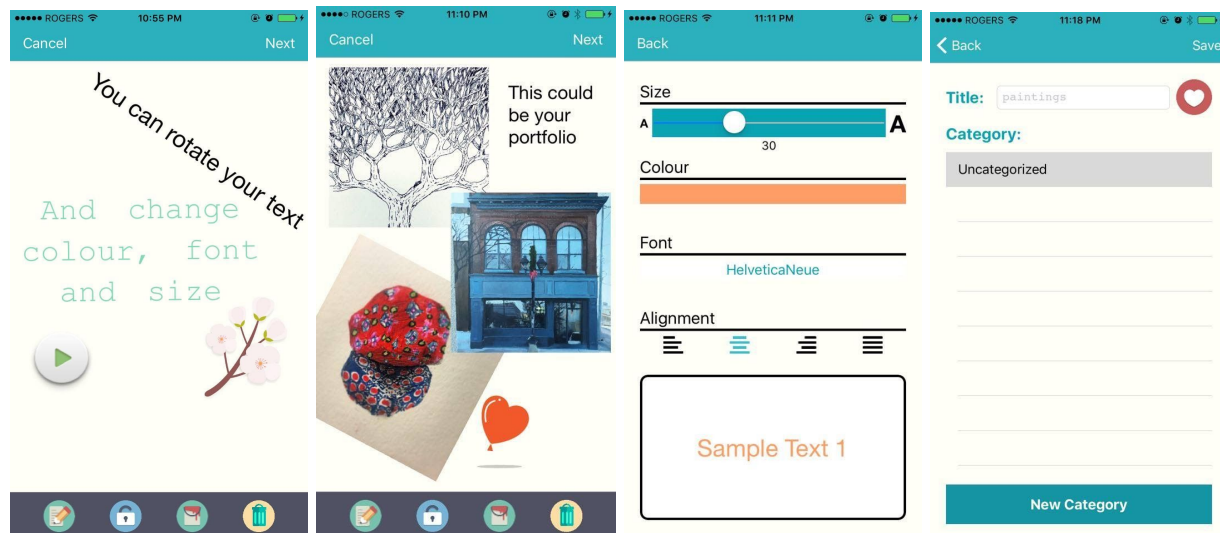
Features

In the Moments application, a user can create a 'moment' by combining different media types. This 'moment' can be viewed and modified at any times. To organize and locate the 'moments' a user creates, we have created Home View, Calendar View, Category View, and search bar. Below is a more detailed description of the views and their purpose.

New Moments View

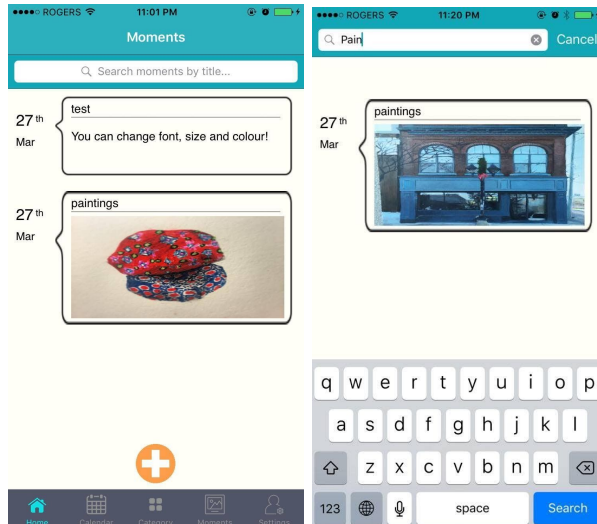
This view is for creating new 'moments'. Users can create a new 'moment' in this view by clicking an add button conveniently located at the bottom of many views. In this view users can add new items, select locked/unlocked for modification, choose a background colour, and delete items.

The following items can be added: text field, photos taken through our application, photos from local device, stickers, audio recordings, music from the device and video clips. Users can reorganize their items as they wish. This is the beginning of journey of using our Moments App.



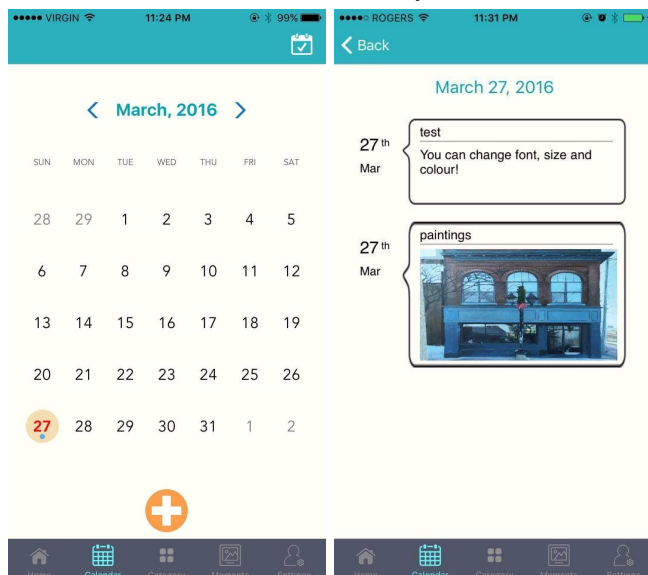
Home View

Home View is the collection of all Moments organized in chronological order from most recent to least recent. Each Moment is represented in an entry. Each entry contains the date of creation, moment title and either an image or a text from that 'moment' for easy identification. User can scroll up and down to look through the entries or tap one a single entry to view or edit the 'moment'. This view allows users to quickly look through their recent 'moment's.



Calendar View

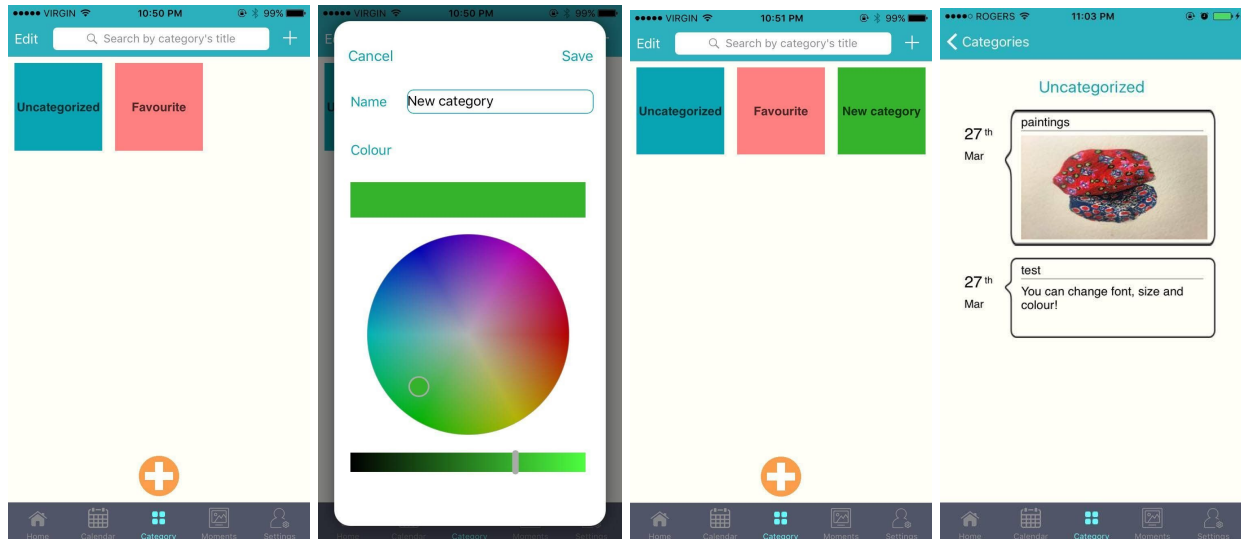
This view is intended to allow users to quickly find a moment using its creating date. This view consists of a calendar that the user can quickly swipe through. For each date on the calendar, there is a dot showing whether moments have been created for that particular date. The user can also tap on the date and view all the moments created on that day.



Category View

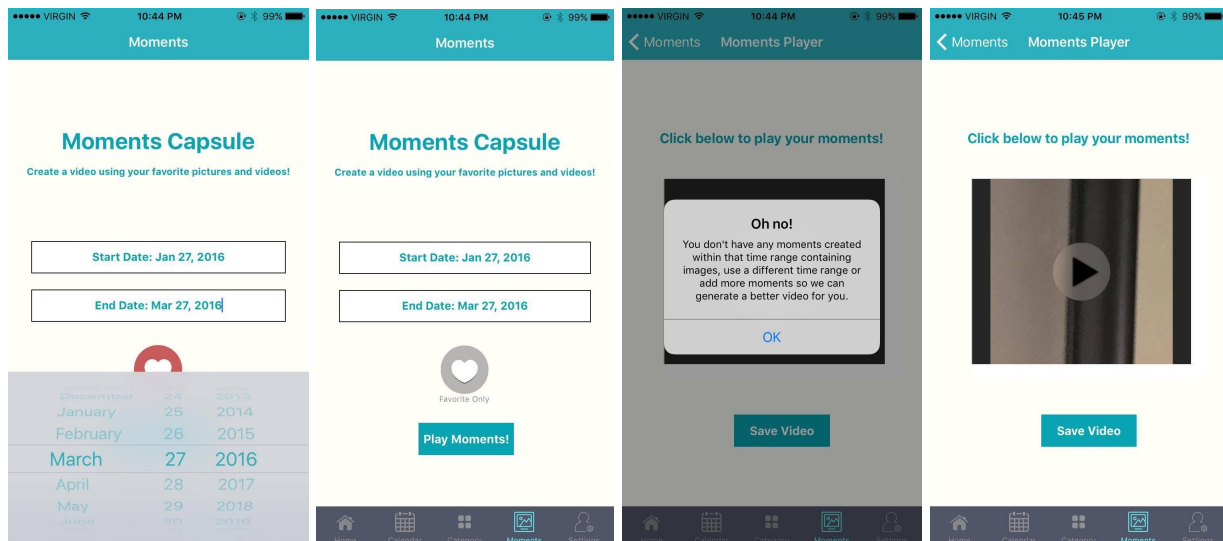
During the last stage of 'moment' creation, user is encouraged to assign the moment to a category. This view displays all the categories that are created and the user can tap on a particular category and view all of its 'moment's.

By default, 'Uncategorized' and 'Favourite' categories are always present. If the user does not choose a category for a 'moment', it will be assigned to 'Uncategorized'. The user can also favorite a 'moment' and it will appear in both its category and the favourite category.



Moments Capsule View

Moments capsule view is implemented to enable user to quickly look back at the many moments they have created in the past. It takes in a date range and retrieves all the images from the 'moment's within that date range and generates a timelapse video using those images. The user can play and save the video to the local device as s/he pleases.



Settings View

This view is for displaying and updating information about the user. From here, a user can change password, name, and email. Users can also send us feedback, look at our each member's contact info. Finally, setting view is a place for users to logout their account from Moments App.

