

Demonstration Report - Moments

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Application summary:

Moments is a tool for combining and organizing text, image, audio, and video. It allows a user to create a 'moment', which is a combination of the various multimedia types that we support. To view the moments saved, the user can either view them by dates or by their specified category.

To view by dates, we provide a calendar and a timeline for easy browsing. To view by category, a category interface is implemented where each category contains all the moments belonging to it. A search bar will also be provided and the user can search for moments by title or category.

Functionality to be Demonstrated

The following functionalities will be demonstrated for our Moments Application. All interactions are real unless otherwise stated.

User Signup and Login

- The user can sign up for Moments using an email address and password, the app will create a new user account. If the email address has already been taken by someone else, an error message will display and ask the user to enter another email address. If the email address is invalid, it will also display an error message. After the signup process, the user will be automatically logged in.
- If a user has already registered, the user can login using email address and password, and the app will authenticate this user. If the email address is invalid, or the password is wrong, or the specified user does not exist, the app will display corresponding error message and ask the user to try again.
- All user credentials are stored in database (Firebase)

Calendar View

- Monthly calendar to allow browsing moments by dates
- Swipe left or right to go to previous or next month, you can also use the buttons next to the current month label to navigate through months.

- Showing dots on dates where a moment is created. The level of darkness indicates the number of moments created for a day.
- When 'Today' button is clicked, the calendar will show the current day.
- Month label on top of the calendar shows the current month and year

New Moment View

- Adding fixed size text, image item onto a moment. The image is loaded from user's photo gallery.
- Save moment locally in core data

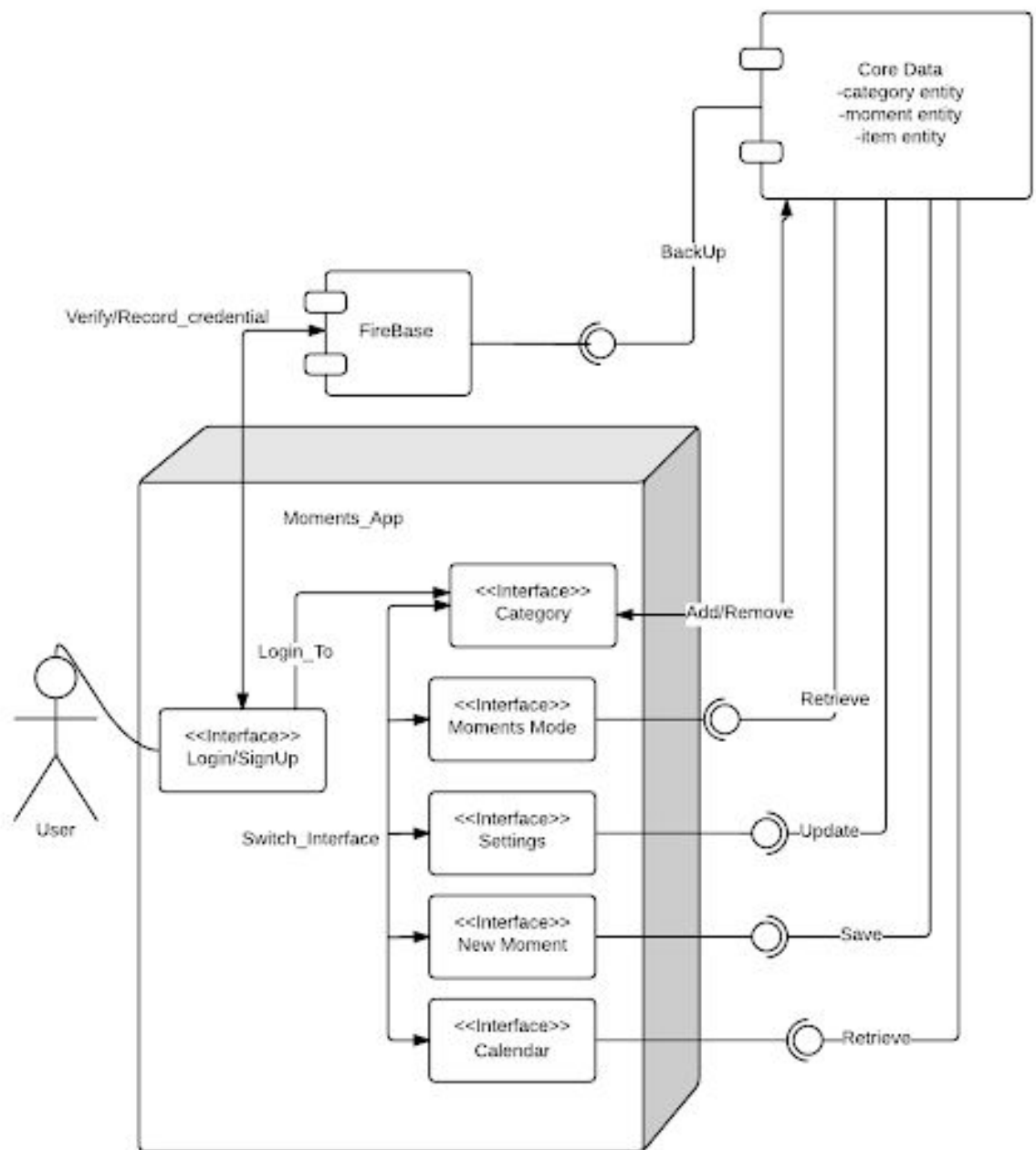
Moments Mode View

- Allow user to select date range for the images and videos displayed. The start date by default is the date that is a month before the current date and the end date by default is current date.
- A video will be generated(simulated) and played based on the date constraint

Settings View

- A logout tab that enables the user to logout and return to the login page.
- An 'About Us' tab that introduces the moments application.

Component Diagram:



UML Diagram:

